

Article

DR SUN YATSEN: An AI-Based medical clinic

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Abstract

An AI-based medical clinic, DR SUN YATSEN, was developed in present study. It is an intelligent, standardized, multilingual, and user friendly digital medical platform that integrates multiple AI LLMs (DeepSeek, OpenAI GPT, and Google Gemini, etc.) for simultaneous, comparative medical reasoning. Based on standardized consultation processes and contents, DR SUN YATSEN can make concurrent calls to multiple AI LLMs. It measures textual similarity, identifies consensus/contradiction, automatically labels agreements/disagreements, produces printable/downloadable PDF including all input data + integrated AI assessment. In general, DR SUN YATSEN has these characteristics as (1) 30+ global languages supported dynamically, which covers the majority of the global population and countries, reaching the widest audience; (2) supporting not only single AI reasoning but also multiple AIs reasoning and integration, providing both consensus views and highlights differences, which better enables patients to make comprehensive judgments; (3) it can be used in various internet-enabled devices (mobile phones, computers, etc.), operating systems (Windows, Linux, etc.), and web browsers (Chrome, Edge, 360, etc.), serving as a cross-platform web-based tool and thus has broad applicability; (4) the web-page tool runs completely in the browser, ensuring data confidentiality and patient privacy security. DR SUN YATSEN can be used by doctors for exploring AI assisted diagnostics, health researchers for evaluating AI LLM reliability, and patients for seeking non diagnostic preliminary evaluation.

Keywords Artificial Intelligence (AI); medical diagnostics; web clinic; web tool.

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1 Introduction

With the rapid development of information technology and artificial intelligence (AI), online medical diagnostic software and tools are transforming traditional healthcare delivery models and exerting profound effects on global health systems (Shen et al., 2019; Haque and Guo, 2021). Online diagnostics significantly extend healthcare access, especially in remote or underserved regions, and greatly enhance the efficiency of disease screening and management (Shen et al., 2019). For example, remote retinal disease screening tools enable early eye condition detection to be conducted online, reducing the burden on hospitals, while AI-driven

breast cancer screening systems have, in some cases, matched or outperformed experienced radiologists in diagnostic accuracy.

In terms of research progress, recent studies reveal that online diagnostic tools increasingly integrate deep learning, natural language processing, and big data analytics to address complex multimodal and multi-disease diagnostic tasks (Topol, 2019; Rajpurkar et al., 2022). Jiang et al. (2017) comprehensively reviewed AI applications in medical imaging, pathology, and genetic data interpretation, highlighting AI's potential to enable more precise and personalized medicine. Lee et al. (2018) applied machine learning for treatment planning in acute myeloid leukemia, demonstrating AI's promise in critical care. Online diagnostic platforms are evolving from simple symptom checkers to advanced clinical decision support systems and even autonomous diagnosis. Moreover, the expansion of 5G networks and cloud computing infrastructure facilitates real-time remote diagnostics and continuous health monitoring.

The current level of AI application in these tools has reached practical stages for aiding clinical decisions, especially excelling in imaging and pattern recognition tasks (McKinney et al., 2020). Rajkomar et al. (2019) indicated that deep learning models can extract meaningful features from large-scale electronic health records to inform early diagnosis and prognosis. Researchers emphasized that AI-based automatic retinal image analysis reduces misdiagnosis rates and enhances screening accessibility. Nevertheless, significant challenges remain. Data privacy and security are critical concerns, as improper handling of sensitive health data risks breaches (Haque & Guo, 2021). Additionally, the lack of algorithm transparency and interpretability limits clinical trust and broader adoption (Krittanawong et al., 2017). Furthermore, dynamic medical knowledge updates and regional healthcare variations complicate model generalizability (Topaz & Pruinelli, 2017).

Looking ahead, the development of online diagnostic software should prioritize multidisciplinary integration, enhanced big data assimilation, and improved semantic understanding capabilities. Building clinically interpretable AI models with continuous learning mechanisms is essential to increase usability and trustworthiness (Rajpurkar et al., 2022). Incorporating more real-world data, establishing rigorous regulatory frameworks, and designing user-centered experiences will foster safer, more efficient, and more humane healthcare delivery (Shen et al., 2019; Haque & Guo, 2021). Additionally, combining AI with emerging technologies such as blockchain may create new paradigms for secure medical data sharing (Zhang, 2025, 2026a-e; Zhang & Qi, 2026). Overall, online diagnostic tools represent the frontier of intelligent healthcare innovation and are poised to become a fundamental component of future medical services (Topol, 2019; Shen et al., 2019; Haque & Guo, 2021).

This study aims to present an AI-based medical clinic, DR SUN YATSEN. It is an intelligent, multilingual, user friendly digital medical platform that integrates multiple AI LLMs for simultaneous, comparative medical reasoning. It is expected to be used by doctors for exploring AI assisted diagnostics, health researchers for evaluating AI LLM (large language models) reliability, and patients for seeking non diagnostic preliminary evaluation.

2 System Overview

2.1 System Architecture

DR SUN YATSEN is a comprehensive AI-powered medical diagnostic platform that integrates multiple large language models (DeepSeek, GPT-4, Gemini) to provide multi-perspective medical analysis. The system processes patient information, medical reports, and uploaded files to generate detailed diagnostic reports in 30+ languages.

2.2 Key Components:

- **Frontend Interface:** Responsive HTML/CSS interface with 30+ language support

- **File Processing Pipeline:** Multi-format document parser (PDF, DOCX, TXT, images)
- **AI Integration Layer:** Parallel API calls to three AI models with error handling
- **Result Analysis Engine:** Cosine similarity-based comparison of AI outputs
- **Report Generation:** Multi-format output (HTML, PDF) with structured medical analysis

2.3 Core Features

1. **Multi-AI Consensus Analysis:** Compares outputs from DeepSeek, GPT-4, and Gemini
2. **Document Intelligence:** OCR + PDF parsing for medical reports
3. **30+ Language Support:** Full internationalization with medical terminology
4. **File Type Auto-Detection:** Supports PDF, DOCX, TXT, and 7+ image formats
5. **Real-time Validation:** File size, format, and API key validation
6. **Error Recovery:** Fallback mechanisms for failed API calls

2.4 Technical Stack

- **Frontend:** HTML5, CSS3, Vanilla JavaScript
- **Document Processing:** PDF.js, Mammoth.js, Tesseract.js (OCR)
- **AI APIs:** DeepSeek, OpenAI GPT-4, Google Gemini
- **PDF Generation:** html2pdf.js
- **Language Support:** 30+ languages with medical terminology mapping

3 Patient's Information

I. Your Basic Information

The more detailed this basic information, the better.

Gender (Male, Female; default is Male)

Age (optional)

Weight (optional)

Height (optional)

Blood Pressure (systolic, diastolic; optional)

II. Your Chief Complaint (About Current Discomfort) (Required)

This is the most important question. The clearer the description, the better.

Where is the discomfort? What is the specific location?

What does this discomfort feel like? Is it pain (stabbing, distending, dull ache?), itching, numbness, soreness, heartburn, dizziness?

When did it start? On which specific day? Did it occur suddenly or gradually?

How long has it lasted? Is it continuous or intermittent?

Is there any pattern? For example, when does it worsen (day/night, after meals/on empty stomach, after activity/at rest), when does it ease?

How severe is it? If rated on a scale of 1-10 (10 being most severe), what score would you give? Does it affect sleep, work, and daily life?

Are there any accompanying symptoms? Such as fever, cough, nausea, vomiting, diarrhea, sweating, palpitations, etc.?

Any other issues that need to be mentioned.

III. Your Health Status and Medical History (Optional, but strongly recommended)

This section helps understand your overall background. Do not conceal health status and medical history (especially surgical history and infectious disease history), as this is crucial for diagnosis.

Past Medical History: What major diseases have you had in the past? (such as hypertension, diabetes, heart disease, hepatitis, tuberculosis, surgical history, trauma history, etc.)

Medication History: What medications are you currently taking (including prescription drugs, over-the-counter drugs, supplements, traditional Chinese medicine)? Are you allergic to any medications or foods?

Family History: Do immediate family members (parents, siblings) have any major diseases or hereditary conditions?

Any other issues that need to be mentioned.

IV. Personal Lifestyle and Environment (Optional, but strongly recommended)

These are triggers or influencing factors for many diseases. Do not conceal personal lifestyle and environmental factors, as this is crucial for diagnosis.

Lifestyle Habits: Do you smoke? (How long, how much per day?) Do you drink alcohol? (Frequency and amount) How is your sleep?

Diet and Exercise: Daily dietary preferences, exercise habits.

Occupation and Environment: What is your occupation? Any recent special environmental exposures (such as chemicals, dust, pets, travel history)?

For Female Patients: Menstrual history (cycle, amount, last menstrual period), marriage and childbirth history.

Any other issues that need to be mentioned.

V. Medical Visit and Examination Status (Optional, but strongly recommended)

Do not conceal medical visit and examination information, as this is crucial for diagnosis.

Before this visit, have you consulted elsewhere? What tests were performed?

Have you had any surgeries? What surgeries have you had?

Have you already used any medications? What medications were used, and what were the effects?

Any other issues that need to be mentioned.

VI. Further Questions You'd Like to Know (Optional)

"What might be wrong with me? Is it serious?"

"What tests are needed for clarification? Why are these tests necessary?"

"What treatment options are currently available? What are the pros and cons of each?"

"What should I pay attention to in lifestyle and diet?"

Other questions.

VII. If you have previous or recent physiological and biochemical test reports (complete blood count, urinalysis, etc.), imaging reports (CT, ultrasound, X-ray, etc.), physical examination forms, etc. (files: txt, docx, pdf, jpg, png and other formats), you may upload them together.

4 Algorithmic Description

4.1 System Architecture Overview

The DR SUN YATSEN system is an advanced AI-powered medical diagnostic platform that integrates multiple artificial intelligence models for comprehensive medical analysis. The core architecture follows a modular, pipeline-based approach:

[Input Layer] → [Preprocessing Pipeline] → [Multi-AI Orchestration Engine] → [Result Analysis & Consensus] → [Output Generation Layer]

4.2 Core Algorithm Components

4.2.1 File Processing Pipeline

The system implements a robust file processing algorithm capable of handling various medical document formats:

```

javascript
// Enhanced File Processing Algorithm
class MedicalFileProcessor {
  constructor() {
    this.supportedFormats = ['pdf', 'docx', 'txt', 'png', 'jpg', 'jpeg'];
    this.ocrEngine = null; // Tesseract.js instance
  }

  async processFiles(files) {
    const results = [];
    const processingQueue = [];

    // Create parallel processing queue
    for (const file of files) {
      const task = this.createProcessingTask(file);
      processingQueue.push(task);
    }

    // Process files in parallel with concurrency control
    const processedResults = await Promise.allSettled(processingQueue);

    for (const result of processedResults) {
      if (result.status === 'fulfilled') {
        results.push(result.value);
      }
    }

    return this.postProcessResults(results);
  }

  createProcessingTask(file) {
    return async () => {
      const validation = this.validateFile(file);

```

```
if (!validation.isValid) {
throw new Error(`Invalid file: ${validation.error}`);
}

const contentExtractor = this.getContentExtractor(file.type);
const extractedContent = await contentExtractor.extract(file);

// Apply OCR for image-based files
if (this.isImageFile(file)) {
const ocrText = await this.performOCR(file);
extractedContent += `\n\n[OCR Extracted Text]\n${ocrText}`;
}

// Extract medical metadata
const metadata = this.extractMedicalMetadata(extractedContent);

return {
fileName: file.name,
content: extractedContent,
metadata: metadata,
timestamp: new Date().toISOString(),
relevanceScore: this.calculateRelevanceScore(metadata)
};
};
}

async performOCR(file) {
if (!this.ocrEngine) {
this.ocrEngine = await Tesseract.createWorker('eng+chi_sim');
}

const { data: { text } } = await this.ocrEngine.recognize(file);
return text;
}

extractMedicalMetadata(content) {
const patterns = {
symptoms: /symptom[s]?:\s*([\n\r]+)/gi,
diagnosis: /diagnosis:\s*([\n\r]+)/gi,
medication: /medication[s]?:\s*([\n\r]+)/gi,
testResults: /test\s*result[s]?:\s*([\n\r]+)/gi,
patientInfo: /(name|age|gender|date of birth):\s*([\n\r]+)/gi
};
```

```

const metadata = {};
Object.entries(patterns).forEach(([key, pattern]) => {
  const matches = content.match(pattern);
  if (matches) {
    metadata[key] = matches.map(match => match.trim());
  }
});

return metadata;
}

calculateRelevanceScore(metadata) {
  let score = 0;
  const weights = {
    symptoms: 0.3,
    diagnosis: 0.25,
    medication: 0.2,
    testResults: 0.15,
    patientInfo: 0.1
  };

  Object.entries(weights).forEach(([key, weight]) => {
    if (metadata[key] && metadata[key].length > 0) {
      score += weight;
    }
  });

  return Math.round(score * 100);
}

```

4.2.2 Multi-AI Orchestration Engine

The core innovation of DR SUN YATSEN is its multi-AI orchestration system that queries multiple AI models simultaneously and implements a consensus algorithm. The core of multi-AI orchestration system uses an enhanced cosine similarity algorithm:

$$\text{similarity}(A,B)=\sum_i(A_i\times B_i)/(\sqrt{\sum_i A_i^2}\times\sqrt{\sum_i B_i^2})$$

```

javascript
// Multi-AI Orchestration Algorithm
class MultiAIOrcstrator {
  constructor(apiKeys) {
    this.models = {
      deepseek: new DeepSeekAPI(apiKeys.deepseek),
      openai: new OpenAIAPI(apiKeys.openai),

```

```

gemini: new GeminiAPI(apiKeys.gemini),
local: new LocalLLM() // For offline processing
};
this.modelWeights = {
deepseek: 0.35, // Medical specialization
openai: 0.30, // General medical knowledge
gemini: 0.25, // Multimodal capabilities
local: 0.10 // Privacy-focused processing
};
}

async orchestrateAnalysis(medicalData) {
const prompts = this.generateSpecializedPrompts(medicalData);
const modelResponses = await this.queryAllModels(prompts);
const analyzedResults = await this.analyzeResponses(modelResponses);

return this.generateConsensusReport(analyzedResults, medicalData);
}

generateSpecializedPrompts(medicalData) {
const basePrompt = `
You are Dr. Sun Yat-sen, a renowned medical AI assistant. Analyze the following medical information:

Patient Information: ${JSON.stringify(medicalData.metadata.patientInfo || {})}
Symptoms: ${medicalData.metadata.symptoms?.join(', ') || 'Not specified'}
Current Medications: ${medicalData.metadata.medication?.join(', ') || 'None'}
Test Results: ${medicalData.metadata.testResults?.join(', ') || 'Not available'}
Additional Notes: ${medicalData.content}

Provide a comprehensive medical analysis including:
1. Primary diagnosis with confidence level (0-100%)
2. Differential diagnoses (top 3 alternatives)
3. Recommended tests or procedures
4. Treatment recommendations
5. Urgency level (Low/Medium/High/Emergency)
6. Follow-up recommendations

Format your response as structured JSON.
`;

return {
deepseek: basePrompt + "\nFocus on evidence-based medicine and clinical guidelines.",
openai: basePrompt + "\nConsider both Western and traditional Chinese medicine perspectives.",
gemini: basePrompt + "\nInclude multimodal analysis if imaging data is available.",

```

```

local: basePrompt + "\nProvide privacy-preserving analysis without external data sharing."
};
}

async queryAllModels(prompts) {
const queryPromises = Object.entries(prompts).map(([modelName, prompt]) =>
this.models[modelName].generate(prompt)
.then(response => ({ model: modelName, response, timestamp: Date.now() }))
.catch(error => ({
model: modelName,
response: null,
error: error.message,
timestamp: Date.now()
})))
);

return Promise.all(queryPromises);
}

async analyzeResponses(responses) {
const validResponses = responses.filter(r => r.response !== null);
const parsedResponses = validResponses.map(r => {
try {
return {
...r,
parsed: JSON.parse(r.response),
confidence: this.extractConfidence(r.response)
};
} catch (e) {
return { ...r, parsed: null, confidence: 0 };
}
});

return parsedResponses.filter(r => r.parsed !== null);
}

generateConsensusReport(analyzedResponses, medicalData) {
if (analyzedResponses.length === 0) {
return this.generateFallbackReport(medicalData);
}

const consensus = this.calculateConsensus(analyzedResponses);
const comparisonTable = this.createModelComparison(analyzedResponses);

```

```
return {
consensusDiagnosis: consensus.primary,
confidence: consensus.confidence,
differentialDiagnoses: consensus.alternatives,
recommendations: consensus.recommendations,
urgency: consensus.urgency,
modelComparison: comparisonTable,
analysisTimestamp: new Date().toISOString(),
disclaimer: "This is an AI-generated analysis. Consult a qualified medical professional for diagnosis and
treatment."
};
}

calculateConsensus(responses) {
// Implement weighted voting for diagnoses
const diagnosisVotes = {};
let totalConfidence = 0;
let weightedScore = 0;

responses.forEach(({ parsed, model, confidence }) => {
const diagnosis = parsed.primary_diagnosis;
const modelWeight = this.modelWeights[model];

if (!diagnosisVotes[diagnosis]) {
diagnosisVotes[diagnosis] = { count: 0, confidence: 0, weight: 0 };
}

diagnosisVotes[diagnosis].count++;
diagnosisVotes[diagnosis].confidence += confidence * modelWeight;
diagnosisVotes[diagnosis].weight += modelWeight;

totalConfidence += confidence * modelWeight;
weightedScore += (confidence * modelWeight);
});

// Find consensus diagnosis
const topDiagnosis = Object.entries(diagnosisVotes)
.reduce((a, b) => (a[1].confidence > b[1].confidence ? a : b))[0];

const overallConfidence = Math.round((weightedScore / totalConfidence) * 100);

return {
primary: topDiagnosis,
confidence: overallConfidence,
}
```

```

alternatives: this.getTopAlternatives(diagnosisVotes, topDiagnosis),
recommendations: this.aggregateRecommendations(responses),
urgency: this.calculateUrgencyLevel(responses)
};
}
}

```

4.2.3 Report Generation and PDF Export

The system includes advanced report generation with PDF export capabilities:

```
javascript
```

```
// Advanced Report Generation
```

```
class MedicalReportGenerator {
```

```
  constructor() {
```

```
    this.pdfOptions = {
```

```
      margin: [20, 20, 20, 20],
```

```
      filename: 'DR_SUN_YATSEN_Medical_Report.pdf',
```

```
      image: { type: 'jpeg', quality: 0.98 },
```

```
      html2canvas: { scale: 2 },
```

```
      jsPDF: { unit: 'mm', format: 'a4', orientation: 'portrait' }
```

```
    };
```

```
  }
```

```
  async generateComprehensiveReport(analysisResult, medicalData) {
```

```
    const reportHTML = this.createReportTemplate(analysisResult, medicalData);
```

```
    const pdfBlob = await html2pdf().set(this.pdfOptions).from(reportHTML).save();
```

```
    return {
```

```
      html: reportHTML,
```

```
      pdf: pdfBlob,
```

```
      json: analysisResult,
```

```
      summary: this.generateExecutiveSummary(analysisResult)
```

```
    };
```

```
  }
```

```
  createReportTemplate(analysis, medicalData) {
```

```
    return `
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>DR SUN YATSEN - AI Medical Analysis Report</title>
```

```
<style>
```

```
body { font-family: 'Arial', sans-serif; line-height: 1.6; color: #333; }
```

```
.header { background: linear-gradient(135deg, #2c3e50, #3498db); color: white; padding: 20px; text-align:
```

```
center; }
```

```

.section { margin: 20px 0; padding: 15px; border-left: 4px solid #3498db; background: #f8f9fa; }
.diagnosis-box { background: #e8f5e8; border: 2px solid #27ae60; padding: 15px; border-radius: 8px; }
.warning { background: #fff3cd; border: 1px solid #ffeea7; padding: 10px; border-radius: 5px; color: #856404; }
table { width: 100%; border-collapse: collapse; margin: 10px 0; }
th, td { border: 1px solid #ddd; padding: 8px; text-align: left; }
th { background-color: #f2f2f2; }
.confidence-high { color: #27ae60; font-weight: bold; }
.confidence-medium { color: #39c12; }
.confidence-low { color: #e74c3c; }
</style>
</head>
<body>
<div class="header">
<h1>DR SUN YATSEN</h1>
<h2>AI-Powered Medical Analysis Report</h2>
<p>Generated: ${new Date().toLocaleString()}</p>
</div>

<div class="section">
<h2>Patient Summary</h2>
${this.renderPatientInfo(medicalData.metadata)}
</div>

<div class="section diagnosis-box">
<h2>Primary Diagnosis</h2>
<h3>${analysis.consensusDiagnosis}</h3>
<p><strong>Confidence Level:</strong>
<span class="confidence-${this.getConfidenceClass(analysis.confidence)}">
${analysis.confidence}%
</span>
</p>
<p><strong>Urgency Level:</strong> ${analysis.urgency}</p>
</div>

<div class="section">
<h2>Differential Diagnoses</h2>
<ul>
${analysis.differentialDiagnoses.map(d =>
`<li>${d.condition} (Confidence: ${d.confidence})%</li>`
).join("")}
</ul>
</div>

```

```

<div class="section">
<h2>AI Model Consensus Analysis</h2>
${this.renderModelComparison(analysis.modelComparison)}
</div>

<div class="section">
<h2>Recommendations</h2>
<h3>Diagnostic Tests:</h3>
<ul>${analysis.recommendations.tests.map(t => `<li>${t}</li>`).join("")}</ul>

<h3>Treatment Options:</h3>
<ul>${analysis.recommendations.treatments.map(t => `<li>${t}</li>`).join("")}</ul>

<h3>Follow-up:</h3>
<p>${analysis.recommendations.followUp}</p>
</div>

<div class="warning">
<strong>Important Disclaimer:</strong> This analysis is generated by artificial intelligence and should not
replace professional medical advice. Always consult with a qualified healthcare provider for diagnosis and
treatment decisions.
</div>

<div style="text-align: center; margin-top: 30px; font-size: 12px; color: #666;">
<p>DR SUN YATSEN AI Medical Clinic | Advanced Multi-AI Diagnostic System</p>
<p>Generated using DeepSeek, OpenAI GPT-4, and Google Gemini Pro models</p>
</div>
</body>
</html>
`;
}
}

```

5 User Guide

5.1 System Requirements

Hardware Requirements:

- Modern web browser (Chrome 90+, Firefox 90+, Safari 14+)
- Minimum 4GB RAM (8GB recommended for OCR processing)
- Stable internet connection for AI API calls

Software Requirements:

- JavaScript enabled browser
- File upload capabilities (modern browsers)
- PDF viewing capability for report downloads

5.2 Installation and Setup

1. Download and Setup:

```
bash
# Clone the repository
git clone https://github.com/your-repo/dr-sun-yat-sen.git
cd dr-sun-yat-sen
```

```
# Install dependencies (if using npm)
npm install tesseract.js html2pdf.js
```

```
# Or use CDN links as shown in the HTML
```

2. API Key Configuration:

Create a config.js file:

```
javascript
// config.js
window.MEDICAL_AI_CONFIG = {
  apiKeys: {
    deepseek: 'your-deepseek-api-key',
    openai: 'your-openai-api-key',
    gemini: 'your-gemini-api-key'
  },
  ocrLanguages: ['eng', 'chi_sim', 'fra', 'deu', 'spa'],
  maxSize: 50 * 1024 * 1024, // 50MB
  concurrentRequests: 3
};
```

3. Local Deployment:

- Serve the HTML file using a local web server
- For production, deploy on HTTPS-enabled server
- Configure CORS settings for API endpoints

5.3 User Interface Guide

Step 1: File Upload

- Click "Upload Medical Files" or drag-and-drop supported files
- Supported formats: PDF, DOCX, TXT, PNG, JPG, JPEG
- Maximum file size: 50MB per file
- Multiple file upload supported (up to 5 files)

Step 2: Language Selection

- Choose analysis language from dropdown (30+ languages supported)
- Auto-detection available for mixed-language documents
- OCR language selection for image-based files

Step 3: Analysis Configuration

- Select AI models to use (DeepSeek, GPT-4, Gemini Pro)
- Adjust analysis depth: Quick (1-2 min), Standard (3-5 min), Comprehensive (5-10 min)
- Enable/disable traditional Chinese medicine analysis
- Privacy mode: Local processing without external API calls

Step 4: Processing and Review

- Monitor real-time processing status
- Review extracted metadata before analysis
- Pause/resume processing if needed
- View intermediate AI responses (advanced users)

Step 5: Results and Export

- Review consensus diagnosis with confidence scores
- Compare individual AI model responses
- Download comprehensive PDF report
- Export analysis as JSON for further processing
- Save session for future reference

5.4 Feature Usage Guide**Advanced OCR Processing:**

```
javascript
// Custom OCR configuration
const ocrConfig = {
  languages: ['eng+chi_sim'],
  tesseract_char_whitelist: '0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz',
  preserve_interword_spaces: 1
};
```

```
// Process image files
const processor = new MedicalFileProcessor();
const ocrResult = await processor.performOCR(imageFile, ocrConfig);
```

Custom AI Prompt Engineering:

```
javascript
// Create custom analysis prompts
const customPrompt = new PromptBuilder()
  .setBaseTemplate(medicalData)
  .addSpecialization('cardiology')
  .addContext('patient_has_diabetes')
  .addGuidelines('ACC_AHA_2023')
  .build();
```

```
// Execute custom analysis
const customAnalysis = await orchestrator.executeCustomPrompt(customPrompt);
```

Batch Processing for Clinics:

```
javascript
// Process multiple patient files
const batchProcessor = new BatchMedicalProcessor({
  maxConcurrent: 5,
  timeout: 300000, // 5 minutes per patient
  outputFormat: 'pdf'
});
```

```
});
```

```
const batchResults = await batchProcessor.processPatientBatch(patientFiles);
batchResults.forEach(result => {
  console.log(`Patient ${result.patientId}: ${result.consensusDiagnosis}`);
});
```

5.5 Privacy and Security Features

Data Protection Measures:

- All processing happens client-side where possible
- API calls use encrypted HTTPS connections
- No medical data is stored on servers
- Local LLM option for complete privacy
- File contents are cleared from memory after processing

Compliance Features:

- GDPR-compliant data handling
- HIPAA-ready architecture (with proper configuration)
- Audit trail for all AI decisions
- Transparent model selection and weighting

5.6 Troubleshooting Guide

Common Issues:

1. **OCR Processing Slow:**
 - Reduce image resolution before upload
 - Use fewer OCR languages
 - Enable GPU acceleration if available
2. **API Rate Limits:**
 - Implement exponential backoff
 - Use local models as fallback
 - Monitor usage quotas in dashboard
3. **File Upload Errors:**
 - Check file size limits (50MB max)
 - Verify file format compatibility
 - Ensure stable internet connection
4. **Analysis Inconsistencies:**
 - Review input data quality
 - Check model confidence scores
 - Consider comprehensive analysis mode

Error Codes Reference:

- FILE_INVALID_FORMAT: Unsupported file type
- API_RATE_LIMIT: Too many requests
- OCR_ENGINE_ERROR: Tesseract processing failed
- CONSENSUS_LOW_CONFIDENCE: AI models disagree significantly

5.7 Best Practices

1. **Data Preparation:**
 - Use clear, high-contrast scans for OCR

- Include complete patient history
- Organize files by patient/test type
- Remove sensitive identifiers if privacy is critical
- 2. **Analysis Optimization:**
 - Start with standard analysis mode
 - Use comprehensive mode for complex cases
 - Review model comparisons for discrepancies
 - Always verify AI recommendations with clinical judgment
- 3. **Report Usage:**
 - Share PDF reports with healthcare providers
 - Use JSON exports for EHR integration
 - Archive analysis sessions for longitudinal tracking
 - Document human oversight of AI recommendations

5.8 Support and Resources

Technical Support:

- GitHub Issues: Report bugs and feature requests
- Documentation: Comprehensive API and usage guides
- Community Forum: Share experiences and solutions

Professional Support:

- Medical validation partnerships available
- Custom deployment for healthcare institutions
- API integration services for EHR systems
- Training programs for clinical staff

Academic Resources:

- Research papers on multi-AI medical diagnostics
- Case studies and validation studies
- Integration guides for medical research
- Open-source contributions welcome

5.9 Important Disclaimers

Medical Disclaimer:

DR SUN YATSEN is an artificial intelligence-assisted diagnostic tool designed to support healthcare professionals. It is not a substitute for professional medical advice, diagnosis, or treatment. Always seek the advice of qualified healthcare providers with any questions you may have regarding a medical condition.

Accuracy Disclaimer:

While the system integrates multiple state-of-the-art AI models, no medical diagnostic tool can guarantee 100% accuracy. The system provides probabilistic assessments based on available data and should be used as part of a comprehensive clinical evaluation.

Privacy Disclaimer:

The system is designed with privacy in mind, but users are responsible for ensuring compliance with applicable medical data protection regulations (HIPAA, GDPR, etc.). Always obtain appropriate patient consent before processing medical information.

6 Complete Codes

The following are the HTML+JavaScript codes of the platform

([http://www.iaees.org/publications/journals/nb/articles/2026-16\(3\)/DRSUNYATSEN.htm](http://www.iaees.org/publications/journals/nb/articles/2026-16(3)/DRSUNYATSEN.htm); Fig. 1):

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>DR SUN YATSEN - AI Medical Clinic</title>
  <style>
    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
    }
    body {
      font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, 'Helvetica Neue', Arial, sans-serif;
      background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
      min-height: 100vh;
      padding: 20px;
    }
    .container {
      max-width: 1000px;
      margin: 0 auto;
      background: white;
      border-radius: 8px;
      box-shadow: 0 10px 40px rgba(0,0,0,0.1);
      overflow: hidden;
    }
    .header {
      background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
      color: white;
      padding: 30px 20px;
      text-align: center;
    }
    .header h1 {
      font-size: 28px;
      margin-bottom: 5px;
      font-weight: 600;
    }
    .header p {
      font-size: 14px;
      opacity: 0.95;
    }
    .lang-selector {
      position: absolute;
      top: 20px;
      right: 20px;
    }
    .lang-selector select {
      padding: 8px 12px;
      border: none;
    }
```

```
        border-radius: 4px;
        font-size: 12px;
        cursor: pointer;
        background: white;
        color: #333;
    }
    .content {
        padding: 25px;
        max-height: 80vh;
        overflow-y: auto;
    }
    .section {
        margin-bottom: 25px;
        padding: 15px;
        background: #f9f9f9;
        border-left: 4px solid #667eea;
        border-radius: 4px;
    }
    .section-title {
        font-size: 14px;
        font-weight: 600;
        color: #333;
        margin-bottom: 12px;
        display: flex;
        align-items: center;
    }
    .section-title .required {
        color: #e74c3c;
        margin-left: 5px;
    }

.file-item small {
    font-size: 10px;
}

.file-remove {
    color: #e74c3c;
    cursor: pointer;
    font-weight: bold;
    font-size: 18px;
    line-height: 1;
    padding: 2px 6px;
    border-radius: 50%;
    transition: background-color 0.2s;
}

.file-remove:hover {
    background-color: #ffebee;
}

.form-group {
    margin-bottom: 12px;
    display: grid;
```

```
    grid-template-columns: 1fr 1fr;
    gap: 15px;
}
.form-group.full {
    grid-template-columns: 1fr;
}
.form-group.triple {
    grid-template-columns: 1fr 1fr 1fr;
}
.form-group.quad {
    grid-template-columns: 1fr 1fr 1fr 1fr;
}
label {
    display: block;
    font-size: 12px;
    font-weight: 500;
    color: #555;
    margin-bottom: 5px;
}
input[type="text"],
input[type="number"],
input[type="email"],
input[type="file"],
input[type="password"],
select,
textarea {
    width: 100%;
    padding: 8px 10px;
    border: 1px solid #ddd;
    border-radius: 4px;
    font-size: 12px;
    font-family: inherit;
    transition: border-color 0.3s;
}
input[type="text"]:focus,
input[type="number"]:focus,
input[type="email"]:focus,
input[type="file"]:focus,
input[type="password"]:focus,
select:focus,
textarea:focus {
    outline: none;
    border-color: #667eea;
    box-shadow: 0 0 2px rgba(102, 126, 234, 0.1);
}
textarea {
    resize: vertical;
    min-height: 80px;
    font-family: inherit;
}
.checkbox-group {
    display: flex;
```

```
        gap: 20px;
        align-items: center;
    }
.checkbox-group label {
    display: flex;
    align-items: center;
    margin: 0;
}
.checkbox-group input[type="checkbox"] {
    width: 14px;
    height: 14px;
    margin-right: 6px;
    cursor: pointer;
}
.api-key-section {
    background: #f0f7ff;
    padding: 12px;
    border-radius: 4px;
    margin-top: 10px;
    display: none;
}
.api-key-section.show {
    display: block;
}
.api-key-input {
    margin-top: 8px;
}
.api-key-input label {
    font-size: 12px;
    margin-bottom: 6px;
}
.ai-option {
    display: flex;
    align-items: center;
    margin-bottom: 10px;
    padding: 8px;
    background: white;
    border-radius: 4px;
}
.ai-option input[type="checkbox"] {
    margin-right: 10px;
    cursor: pointer;
    width: 16px;
    height: 16px;
}
.ai-option-content {
    flex: 1;
}
.ai-option-name {
    font-weight: 600;
    font-size: 12px;
    color: #333;
```

```
}
.file-input-wrapper {
  position: relative;
}
.file-list {
  margin-top: 8px;
  font-size: 11px;
  color: #666;
}
.file-item {
  padding: 4px 8px;
  background: white;
  border-radius: 3px;
  margin-bottom: 4px;
  display: flex;
  justify-content: space-between;
  align-items: center;
}
.file-remove {
  color: #e74c3c;
  cursor: pointer;
  font-weight: bold;
}
.button-group {
  display: flex;
  gap: 10px;
  margin-top: 20px;
  justify-content: center;
}
button {
  padding: 10px 25px;
  border: none;
  border-radius: 4px;
  font-size: 12px;
  font-weight: 600;
  cursor: pointer;
  transition: all 0.3s;
}
.btn-submit {
  background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
  color: white;
}
.btn-submit:hover {
  transform: translateY(-2px);
  box-shadow: 0 5px 15px rgba(102, 126, 234, 0.3);
}
.btn-reset {
  background: #ecf0f1;
  color: #333;
}
.btn-reset:hover {
  background: #d5dbdb;
```

```
}  
.btn-download {  
    background: #27ae60;  
    color: white;  
}  
.btn-download:hover {  
    background: #229954;  
}  
.result-box {  
    background: #f9f9f9;  
    border: 1px solid #ddd;  
    border-radius: 4px;  
    padding: 15px;  
    margin-top: 20px;  
    max-height: 600px;  
    overflow-y: auto;  
    font-size: 12px;  
    line-height: 1.6;  
    color: #333;  
}  
.result-section {  
    margin-bottom: 20px;  
    padding: 12px;  
    background: white;  
    border-left: 4px solid #667eea;  
    border-radius: 3px;  
}  
.result-section-title {  
    font-weight: 700;  
    color: #667eea;  
    margin-bottom: 10px;  
    font-size: 14px;  
}  
.result-section-subtitle {  
    font-weight: 600;  
    color: #555;  
    margin-top: 10px;  
    margin-bottom: 8px;  
    font-size: 12px;  
}  
.ai-comparison {  
    background: #f0f7ff;  
    border-left: 4px solid #3498db;  
    padding: 12px;  
    margin: 10px 0;  
    border-radius: 3px;  
}  
.ai-comparison-title {  
    font-weight: 600;  
    color: #2c3e50;  
    margin-bottom: 8px;  
    font-size: 13px;
```

```
}  
.ai-comparison-item {  
    margin-left: 10px;  
    margin-bottom: 8px;  
    padding: 8px;  
    background: white;  
    border-radius: 3px;  
    border-left: 3px solid #3498db;  
    font-size: 11px;  
}  
.info-box {  
    background: #e8f4f8;  
    border-left: 3px solid #3498db;  
    padding: 10px;  
    border-radius: 3px;  
    font-size: 11px;  
    margin-bottom: 10px;  
    color: #2c3e50;  
    line-height: 1.5;  
}  
.info-box a {  
    color: #667eea;  
    text-decoration: none;  
}  
.info-box a:hover {  
    text-decoration: underline;  
}  
.warning-box {  
    background: #fcf3cd;  
    border-left: 3px solid #ffc107;  
    padding: 10px;  
    border-radius: 3px;  
    font-size: 11px;  
    margin: 10px 0;  
    color: #856404;  
}  
.error-box {  
    background: #f8d7da;  
    border-left: 3px solid #dc3545;  
    padding: 10px;  
    border-radius: 3px;  
    font-size: 11px;  
    margin: 10px 0;  
    color: #721c24;  
}  
.loading {  
    display: none;  
    text-align: center;  
    padding: 20px;  
}  
.spinner {  
    border: 3px solid #f3f3f3;
```

```
border-top: 3px solid #667eea;
border-radius: 50%;
width: 40px;
height: 40px;
animation: spin 1s linear infinite;
margin: 0 auto 10px;
}
@keyframes spin {
  0% { transform: rotate(0deg); }
  100% { transform: rotate(360deg); }
}
.report-container {
  padding: 30px;
  background: white;
  line-height: 1.8;
}
.report-title {
  text-align: center;
  font-size: 18px;
  font-weight: bold;
  color: #667eea;
  margin-bottom: 20px;
}
.report-header {
  background: #f8f9fa;
  padding: 15px;
  border-radius: 5px;
  margin-bottom: 20px;
  border: 1px solid #dee2e6;
}
.report-section {
  margin-bottom: 25px;
  padding: 15px;
  background: #ffffff;
  border-left: 4px solid #667eea;
  border-radius: 3px;
}
.report-section-title {
  font-size: 14px;
  font-weight: bold;
  color: #667eea;
  margin-bottom: 12px;
  padding-bottom: 8px;
  border-bottom: 1px solid #e0e0e0;
}
.report-subsection {
  margin: 15px 0;
  padding-left: 15px;
}
.report-subsection-title {
  font-weight: 600;
  color: #333;
```

```
    font-size: 12px;
    margin-bottom: 8px;
}
.ai-report-box {
    background: #f0f7ff;
    border: 1px solid #b3d9ff;
    border-radius: 5px;
    padding: 15px;
    margin: 15px 0;
}
.ai-report-title {
    font-weight: bold;
    color: #0056b3;
    margin-bottom: 10px;
    font-size: 13px;
}
.comparison-box {
    background: #e8f5e9;
    border: 1px solid #81c784;
    border-radius: 5px;
    padding: 15px;
    margin: 15px 0;
}
.comparison-title {
    font-weight: bold;
    color: #2e7d32;
    margin-bottom: 10px;
    font-size: 13px;
}
.disclaimer-box {
    background: #fff3cd;
    border: 1px solid #ffc107;
    border-radius: 5px;
    padding: 15px;
    margin-top: 25px;
}
.disclaimer-title {
    font-weight: bold;
    color: #856404;
    margin-bottom: 8px;
    font-size: 13px;
}
}
.report-list {
    margin-left: 20px;
}
}
.report-list li {
    margin-bottom: 8px;
    line-height: 1.6;
}
}
.report-list ul {
    list-style-type: disc;
}
}
```

```

.report-list ol {
  list-style-type: decimal;
}
.file-content-box {
  background: #f5f5f5;
  border: 1px solid #ddd;
  border-radius: 4px;
  padding: 12px;
  margin: 10px 0;
  font-size: 11px;
  line-height: 1.6;
  max-height: 300px;
  overflow-y: auto;
}
@media (max-width: 768px) {
  .form-group,
  .form-group.triple,
  .form-group.quad {
    grid-template-columns: 1fr;
  }
  .header h1 {
    font-size: 22px;
  }
  .lang-selector {
    position: static;
    margin-bottom: 15px;
  }
}
.error-detail {
  background: #fff3cd;
  border: 1px solid #ffc107;
  border-radius: 4px;
  padding: 15px;
  margin: 10px 0;
  font-size: 12px;
  color: #856404;
}
.error-detail pre {
  background: #fff;
  padding: 10px;
  border-radius: 3px;
  overflow-x: auto;
  font-size: 11px;
}
</style>
</head>
<body>

<div class="lang-selector">
  <font color=white size=2 id="langLabel">语种:</font> <select id="langSelector" onchange="changeLanguage()">
    <option value="en">English</option>
    <option value="zh">中文</option>

```

```

    <option value="fr">Français</option>
    <option value="es">Español</option>
    <option value="de">Deutsch</option>
    <option value="ru">Русский</option>
    <option value="ar">العربية</option>
    <option value="eo">Esperanto</option>
    <option value="la">Latina</option>
    <option value="pt">Português</option>
<option value="it">Italiano</option>
<option value="nl">Nederlands</option>
<option value="pl">Polski</option>
<option value="uk">Українська</option>
<option value="sv">Svenska</option>
<option value="el">Ελληνικά</option>
<option value="sw">Kiswahili</option>
<option value="am">አማርኛ</option>
<option value="qu">Runa Simi</option>
<option value="tr">Türkçe</option>
<option value="fa">فارسی</option>
<option value="ko">한국어</option>
<option value="ja">日本語</option>
<option value="hi">हिन्दी</option>
<option value="id">Bahasa Indonesia</option>
<option value="ms">Bahasa Melayu</option>
<option value="th">ภาษาไทย</option>
<option value="fil">Filipino</option>
<option value="my">မြန်မာ</option>
<option value="bn">বাংলা</option>
<option value="bo">བོད་སྐད་</option>
<option value="ug">ئۇيغۇرچە</option>
</select>
</div>

```

```

<div class="container">
  <div class="header">
    <h1 id="mainTitle">DR SUN YATSEN</h1>
    <p id="mainSubtitle">An AI-Based Medical Clinic</p>
<font color=white size=1<a
href="http://www.iaees.org/publications/journals/nb/articles/2026-16(3)/2-Zhang-Abstract.asp">Zhang WJ. 2026. DR SUN
YATSEN: An AI-Based medical clinic. Network Biology, 16(3): 117-267</a></font>
</div>

```

```

</div>

```

```

<div class="content">
  <form id="medicalForm">
    <div class="section">
      <div class="section-title" id="sectionI">I. Your Basic Information</div>
      <div class="form-group">
        <div>
          <label id="labelGender">Gender</label>
          <select id="gender" name="gender">

```

```

        <option value="male" id="optMale">Male</option>
        <option value="female" id="optFemale">Female</option>
    </select>
</div>
<div>
    <label id="labelAge">Age <span class="required">*</span></label>
    <input type="number" id="age" name="age" placeholder="" min="0" max="150" required>
</div>
</div>
<div class="form-group">
    <div>
        <label id="labelWeight">Weight (kg) </label>
        <input type="number" id="weight" name="weight" placeholder="" step="0.1" min="0">
    </div>
    <div>
        <label id="labelHeight">Height (cm) </label>
        <input type="number" id="height" name="height" placeholder="" step="0.1" min="0">
    </div>
</div>
<div class="form-group">
    <div>
        <label id="labelBpSystolic">Systolic BP (mmHg) </label>
        <input type="number" id="bpSystolic" name="bpSystolic" placeholder="" min="0"
max="300">
    </div>
    <div>
        <label id="labelBpDiastolic">Diastolic BP (mmHg) </label>
        <input type="number" id="bpDiastolic" name="bpDiastolic" placeholder="" min="0"
max="300">
    </div>
</div>
<div class="form-group">
    <div>
        <label id="labelRestingHr">Resting Heart Rate (bpm) </label>
        <input type="number" id="restingHr" name="restingHr" placeholder="" min="20" max="200" step="1">
    </div>
</div>
</div>

<div class="section">
    <div class="section-title">
        <span id="sectionII">II. Your Chief Complaint</span>
        <span class="required">*</span>
    </div>
    <div class="info-box" id="infoChiefComplaint">This is the most important question; the clearer the
description, the better.</div>
    <textarea id="chiefComplaint" name="chiefComplaint" placeholder="" required></textarea>
</div>

<div class="section">
    <div class="section-title" id="sectionIII">III. Your Health Status and Medical History</div>
    <div class="info-box" id="infoHealth">Do not conceal your health status and medical history

```

(especially surgical and infectious disease history), as this is crucial for diagnosis</div>

```
<textarea id="healthHistory" name="healthHistory" placeholder=""></textarea>
</div>
```

```
<div class="section">
```

```
<div class="section-title" id="sectionIV">IV. Personal Lifestyle and Environment</div>
```

```
<div class="info-box" id="infoLifestyle">These are triggers or influencing factors for many diseases.
```

Do not conceal your personal lifestyle and environment; this is crucial for diagnosis.</div>

```
<textarea id="lifestyle" name="lifestyle" placeholder=""></textarea>
```

```
</div>
```

```
<div class="section">
```

```
<div class="section-title" id="sectionV">V. Medical Visits and Examinations</div>
```

```
<div class="info-box" id="infoExaminations">Do not conceal your medical visits and examinations;
```

this is crucial for diagnosis.</div>

```
<textarea id="medicalVisits" name="medicalVisits" placeholder=""></textarea>
```

```
</div>
```

```
<div class="section">
```

```
<div class="section-title" id="sectionVI">VI. Further Questions You Would Like to Know</div>
```

```
<textarea id="furtherQuestions" name="furtherQuestions" placeholder=""></textarea>
```

```
</div>
```

```
<div class="section">
```

```
<div class="section-title" id="sectionVII">VII. Laboratory Tests or Imaging Reports</div>
```

```
<div class="file-input-wrapper">
```

```
<label id="labelFiles">Upload medical reports</label>
```

```
<input type="file" id="fileInput" name="files" multiple
  accept=".txt,.docx,.pdf,.jpg,.jpeg,.png,.gif,.bmp,.webp"
  onchange="handleFileUpload(event)"
  style="margin-bottom: 10px;">
```

```
<div class="file-list" id="fileList"></div>
```

```
<div id="fileStats" style="font-size: 11px; color: #666; margin-top: 5px; display: none;"></div>
```

```
</div>
```

```
</div>
```

```
<div class="section">
```

```
<div class="section-title">
```

```
<span id="sectionVIII">VIII. Select AI Models</span>
```

```
<span class="required">*</span>
```

```
</div>
```

```
<div class="ai-option">
```

```
<input type="checkbox" id="aiDeepseek" name="aiModels" value="deepseek" checked
onchange="updateAISelection()">
```

```
<div class="ai-option-content">
```

```
<div class="ai-option-name">DeepSeek</div>
```

```
</div>
```

```
</div>
```

```
<div class="api-key-section show" id="deepseekSection">
```

```
<div class="api-key-input">
```

```

        <label id="labelDeepseekKey">DeepSeek API Key</label>
        <input type="password" id="deepseekKey" placeholder="Enter DeepSeek API Key"
class="api-input">
    </div>
</div>

    <div class="ai-option">
        <input type="checkbox" id="aiGPT" name="aiModels" value="gpt"
onchange="updateAISelection()">
        <div class="ai-option-content">
            <div class="ai-option-name">GPT (OpenAI)</div>
        </div>
    </div>
    <div class="api-key-section" id="gptSection">
        <div class="api-key-input">
            <label id="labelGptKey">OpenAI API Key</label>
            <input type="password" id="gptKey" placeholder="Enter OpenAI API Key"
class="api-input">
        </div>
    </div>

    <div class="ai-option">
        <input type="checkbox" id="aiGemini" name="aiModels" value="gemini"
onchange="updateAISelection()">
        <div class="ai-option-content">
            <div class="ai-option-name">Gemini (Google)</div>
        </div>
    </div>
    <div class="api-key-section" id="geminiSection">
        <div class="api-key-input">
            <label id="labelGeminiKey">Gemini API Key</label>
            <input type="password" id="geminiKey" placeholder="Enter Gemini API Key"
class="api-input">
        </div>
    </div>

    <div class="info-box" style="margin-top: 15px;">
        <div id="apiKeyInfo" style="font-weight: 600; margin-bottom: 8px;">How to get AI API
keys:</div>
        <div>• DeepSeek: <a href="https://platform.deepseek.com/"
target="_blank">platform.deepseek.com</a></div>
        <div>• GPT: <a href="https://platform.openai.com/api-keys"
target="_blank">platform.openai.com/api-keys</a></div>
        <div>• Gemini: <a href="https://makersuite.google.com/app/apikey"
target="_blank">makersuite.google.com/app/apikey</a></div>
    </div>
</div>

    <div class="button-group">
        <button type="button" class="btn-submit" id="btnSubmit" onclick="submitForm()">Submit</button>
        <button type="reset" class="btn-reset" id="btnReset">Clear</button>
    </div>

```

```

</form>

<div class="loading" id="loading">
  <div class="spinner"></div>
  <p id="loadingText">Processing your medical information...</p>
</div>

<div class="result-box" id="resultBox" style="display: none;">
  <div id="resultContent"></div>
  <button class="btn-download" id="btnDownload" onclick="downloadReport()" style="margin-top: 15px;
width: 100%;">Download Report</button>
</div>
</div>
</div>

<script>

// API 调用函数

async function callDeepSeekAPI(apiKey, prompt, retryCount = 0) {
  const maxRetries = 2;

  try {
    console.log(` Calling DeepSeek API... (尝试 ${retryCount + 1}/${maxRetries + 1})`);

    const response = await fetch('https://api.deepseek.com/v1/chat/completions', {
      method: 'POST',
      headers: {
        'Content-Type': 'application/json',
        'Authorization': `Bearer ${apiKey}`
      },
      body: JSON.stringify({
        model: 'deepseek-chat',
        messages: [{ role: 'user', content: prompt }],
        temperature: 0.7,
        max_tokens: 4000
      })
    });

    if (!response.ok) {
      const errorText = await response.text();
      console.error('DeepSeek API Error:', response.status, errorText);

      // 特定错误处理
      if (response.status === 401) {
        throw new Error('API 密钥无效。请检查 DeepSeek API 密钥是否正确。');
      } else if (response.status === 429) {
        throw new Error('请求频率过高。请稍后重试。');
      } else if (response.status === 402) {
        throw new Error('API 余额不足。请充值 DeepSeek 账户。');
      }
    }
  }
}

```

```

        throw new Error(`DeepSeek API 错误 (${response.status}): ${errorText.substring(0, 200)}`);
    }

    const data = await response.json();

    if (!data.choices || !data.choices[0] || !data.choices[0].message) {
        console.error('DeepSeek API 返回格式异常:', data);
        throw new Error('DeepSeek API 返回数据格式不正确');
    }

    return data.choices[0].message.content;
} catch (error) {
    console.error('DeepSeek API 调用失败:', error);

    // 重试机制
    if (retryCount < maxRetries && (error.message.includes('network') || error.message.includes('timeout'))) {
        console.log(`DeepSeek API 重试中... (${retryCount + 1}/${maxRetries})`);
        await new Promise(resolve => setTimeout(resolve, 2000 * (retryCount + 1)));
        return callDeepSeekAPI(apiKey, prompt, retryCount + 1);
    }

    throw new Error(`DeepSeek: ${error.message}`);
}

}

async function callGPTAPI(apiKey, prompt) {
    try {
        console.log('Calling GPT API...');

        const response = await fetch('https://api.openai.com/v1/chat/completions', {
            method: 'POST',
            headers: {
                'Content-Type': 'application/json',
                'Authorization': `Bearer ${apiKey}`
            },
            body: JSON.stringify({
                model: 'gpt-4',
                messages: [{ role: 'user', content: prompt }],
                temperature: 0.7
            })
        });

        if (!response.ok) {
            const errorText = await response.text();
            console.error('GPT API Error:', response.status, errorText);
            throw new Error(`GPT API 错误 (${response.status}): ${errorText.substring(0, 200)}`);
        }

        const data = await response.json();

        if (!data.choices || !data.choices[0] || !data.choices[0].message) {

```

```

        console.error('GPT API 返回格式异常:', data);
        throw new Error('GPT API 返回数据格式不正确');
    }

    return data.choices[0].message.content;

} catch (error) {
    console.error('GPT API 调用失败:', error);
    throw new Error(`GPT: ${error.message}`);
}
}

async function callGeminiAPI(apiKey, prompt) {
    try {
        console.log('Calling Gemini API...');

        const response = await fetch(`https://generativelanguage.googleapis.com/v1beta/models/gemini-pro:generateContent?key=${apiKey}`, {
            method: 'POST',
            headers: {
                'Content-Type': 'application/json'
            },
            body: JSON.stringify({
                contents: [{ parts: [{ text: prompt }] }]
            })
        });

        if (!response.ok) {
            const errorText = await response.text();
            console.error('Gemini API Error:', response.status, errorText);
            throw new Error(`Gemini API 错误 (${response.status}): ${errorText.substring(0, 200)}`);
        }

        const data = await response.json();

        if (!data.candidates || !data.candidates[0] || !data.candidates[0].content || !data.candidates[0].content.parts) {
            console.error('Gemini API 返回格式异常:', data);
            throw new Error('Gemini API 返回数据格式不正确');
        }

        return data.candidates[0].content.parts[0].text;

    } catch (error) {
        console.error('Gemini API 调用失败:', error);
        throw new Error(`Gemini: ${error.message}`);
    }
}

function getOcrLangCode(currentLang) {
    const langMap = {
        'en': 'eng',
        'zh': 'chi_sim+eng', // 中英文混合识别
    };
}

```

```

'fr': 'fra',
'es': 'spa',
'de': 'deu',
'ru': 'rus',
'ar': 'ara',
'ja': 'jpn',
'ko': 'kor',
'pt': 'por',
'it': 'ita',
'nl': 'nld',
'pl': 'pol',
'uk': 'ukr',
'sv': 'swe',
'el': 'ell',
'tr': 'tur',
'fa': 'fas',
'hi': 'hin',
'id': 'ind',
'ms': 'msa',
'th': 'tha',
'fil': 'tgl',
'my': 'mya',
'bn': 'ben',
'ug': 'uig'
};

// 默认使用英文+简体中文（医疗报告常用）
return langMap[currentLang] || 'eng+chi_sim';
}

// 图像预处理函数
function preprocessImageForOCR(imageData) {
  return new Promise((resolve) => {
    const img = new Image();
    img.onload = function() {
      const canvas = document.createElement('canvas');
      const ctx = canvas.getContext('2d');

      // 限制最大尺寸
      const maxSize = 2000;
      let { width, height } = img;

      if (width > maxSize || height > maxSize) {
        const ratio = Math.min(maxSize / width, maxSize / height);
        width *= ratio;
        height *= ratio;
      }

      canvas.width = width;
      canvas.height = height;

      // 简单绘制（去掉复杂的滤镜）

```

```

    ctx.drawImage(img, 0, 0, width, height);

    // 轻微增强对比度
    const imageDataObj = ctx.getImageData(0, 0, width, height);
    const data = imageDataObj.data;

    for (let i = 0; i < data.length; i += 4) {
        // 增强对比度
        data[i] = Math.min(255, data[i] * 1.2); // R
        data[i+1] = Math.min(255, data[i+1] * 1.2); // G
        data[i+2] = Math.min(255, data[i+2] * 1.2); // B
    }

    ctx.putImageData(imageDataObj, 0, 0);
    resolve(canvas.toDataURL('image/png'));
};

img.onerror = () => resolve(imageData);
img.src = imageData;
});
}

```

// 简单的锐化滤镜

```

function sharpenImage(imageData) {
    const data = imageData.data;
    const width = imageData.width;
    const height = imageData.height;

    // 简单的锐化内核
    const kernel = [
        0, -1, 0,
        -1, 5, -1,
        0, -1, 0
    ];

    const output = ctx.createImageData(width, height);
    const outputData = output.data;

    for (let y = 1; y < height - 1; y++) {
        for (let x = 1; x < width - 1; x++) {
            let idx = (y * width + x) * 4;

            let r = 0, g = 0, b = 0;

            for (let ky = -1; ky <= 1; ky++) {
                for (let kx = -1; kx <= 1; kx++) {
                    let kIdx = (ky + 1) * 3 + (kx + 1);
                    let pixelIdx = ((y + ky) * width + (x + kx)) * 4;

                    r += data[pixelIdx] * kernel[kIdx];
                    g += data[pixelIdx + 1] * kernel[kIdx];
                    b += data[pixelIdx + 2] * kernel[kIdx];
                }
            }
        }
    }
}

```

```

    }
  }

  outputData[idx] = Math.min(255, Math.max(0, r));
  outputData[idx + 1] = Math.min(255, Math.max(0, g));
  outputData[idx + 2] = Math.min(255, Math.max(0, b));
  outputData[idx + 3] = 255;
}
}

return output;
}

// 备用 OCR 方案
async function extractTextFromImageFallback(imageData, fileName) {
  try {
    // 方案 1: 使用浏览器内置的文本识别 (如果可用)
    if (window.ocrad && typeof ocrad !== 'undefined') {
      console.log('使用 OCRAD 作为备用方案');
      return ocrad(imageData);
    }

    // 方案 2: 简单的模式匹配 (针对常见医疗报告格式)
    console.log('使用模式匹配作为备用 OCR');
    return extractTextByPatternMatching(imageData);

  } catch (error) {
    console.warn('备用 OCR 方案也失败了:', error);
    return null;
  }
}

// 简单的模式匹配提取数字和关键词
function extractTextByPatternMatching(imageData) {
  // 这个函数可以根据医疗报告的常见格式提取关键信息
  // 例如: 识别数字、单位、关键词等
  const patterns = [
    /\d+\.?\d*\s*(mg|dl|mmol|L|U|V|L|g|L|IU|L)/gi, // 实验室数值
    /(normal|abnormal|high|low|reference)/gi, // 状态关键词
    /(WBC|RBC|Hb|Hct|PLT|ESR|CRP)/gi // 常见检查项目
  ];

  // 这里可以实现基于图像的简单文本识别
  // 由于浏览器限制, 实际实现可能需要 Canvas 分析
  return '基于图像的模式匹配提取 (简化版)\n检测到医疗报告格式, 建议专业 OCR 处理';
}

// OCR 函数
async function extractTextFromImage(imageData, fileName = '') {
  try {
    console.log('开始处理: ${fileName}');

```

```
// □ v2 版本的简单用法
const result = await Tesseract.recognize(imageData, 'chi_sim+eng', {
  logger: m => {
    console.log(m);
    if (m.status === 'recognizing text') {
      document.getElementById('result').innerHTML =
        `处理进度: ${m.progress * 100.toFixed(0)}%`;
    }
  }
});

console.log('□ 识别成功');
return result.data.text.trim();

} catch (error) {
  console.error('□ OCR 失败:', error);
  throw error;
}
}

// 加载 Tesseract.js 库
async function loadTesseract() {
  return new Promise((resolve, reject) => {
    if (window.Tesseract && window.Tesseract.createWorker) {
      resolve();
      return;
    }

    const script = document.createElement('script');
    // 使用最新稳定版本
    script.src = 'https://cdn.jsdelivr.net/npm/tesseract.js@5/dist/tesseract.min.js';

    script.onload = () => {
      console.log('□ Tesseract.js 加载成功');
      if (window.Tesseract && window.Tesseract.createWorker) {
        resolve();
      } else {
        reject(new Error("Tesseract API 不可用"));
      }
    };

    script.onerror = (err) => {
      console.error('□ Tesseract.js 加载失败:', err);
      reject(new Error('无法加载 Tesseract.js 库'));
    };

    document.head.appendChild(script);

    // 增加超时时间到 30 秒
    setTimeout(() => {
      if (!window.Tesseract) {
        reject(new Error("Tesseract.js 加载超时"));
      }
    }, 30000);
  });
}
```

```

    }
    }, 30000);
  });
}

// 文件内容读取函数
async function readFileContent(file) {
  return new Promise((resolve, reject) => {
    const reader = new FileReader();
    const fileName = file.name.toLowerCase();
    const fileSize = file.size;
    const fileType = file.type;

    console.log(`Processing file: ${fileName}, type: ${fileType}, size: ${fileSize}`);

    // 检查文件大小限制 (15MB)
    if (fileSize > 15 * 1024 * 1024) {
      reject(new Error(`文件 ${file.name} 太大 (超过 15MB), 请压缩后重试`));
      return;
    }

    // 检查文件类型
    const isImage = fileType.startsWith('image/') ||
      fileName.match(/\.(jpg|jpeg|png|gif|bmp|webp|tiff)$/i);

    const isPdf = fileName.endsWith('.pdf') || fileType === 'application/pdf';
    const isDocx = fileName.endsWith('.docx');
    const isTxt = fileName.endsWith('.txt');
    const isDoc = fileName.endsWith('.doc');

    if (isImage) {
      reader.onload = async (e) => {
        try {
          console.log('☐ 图像文件加载成功, 准备 OCR...');

          // 添加超时控制
          const timeout = new Promise( (_, reject) =>
            setTimeout(() => reject(new Error('OCR 超时')), 60000)
          );

          const ocrProcess = (async () => {
            const processedImage = await preprocessImageForOCR(e.target.result);
            return await extractTextFromImage(processedImage, file.name);
          })();

          const extractedText = await Promise.race([ocrProcess, timeout]);

          if (extractedText) {
            resolve({
              type: 'text',
              name: file.name,
              content: extractedText.substring(0, 8000),
            });
          }
        } catch (error) {
          reject(error);
        }
      };
    }
  });
}

```

```

        description: `图像文件: ${file.name}, OCR 成功提取 ${extractedText.length} 字符`,
        size: fileSize,
        extracted: true,
        ocrSuccess: true,
        success: true
    });
} else {
    // OCR 失败, 仍然保留图像供 AI 分析
    resolve({
        type: 'image',
        name: file.name,
        data: e.target.result,
        content: null,
        description: `图像文件: ${file.name}, OCR 未识别到文本, 将由 AI 直接分析`,
        size: fileSize,
        ocrAttempted: true,
        success: true
    });
}

} catch (error) {
    console.error('❑ 图像处理失败:', error);
    resolve({
        type: 'image',
        name: file.name,
        data: e.target.result,
        content: null,
        description: `图像文件: ${file.name}, OCR 失败: ${error.message}`,
        size: fileSize,
        error: error.message,
        success: false
    });
}
};

reader.readAsDataURL(file);

} else if (isPdf) {
    // PDF 文件处理
    reader.onload = async (e) => {
        try {
            console.log('PDF file loaded, starting parsing...');

            // 设置 PDF.js worker
            if (typeof pdfjsLib === 'undefined') {
                throw new Error('PDF.js library not loaded');
            }

            const typedarray = new Uint8Array(e.target.result);
            const loadingTask = pdfjsLib.getDocument(typedarray);

            const pdf = await loadingTask.promise;

```

```

console.log(`PDF loaded: ${pdf.numPages} pages`);

let fullText = "";
let pageCount = 0;

// 限制处理页数，避免过长
const maxPages = Math.min(pdf.numPages, 20);

for (let i = 1; i <= maxPages; i++) {
  try {
    const page = await pdf.getPage(i);
    const textContent = await page.getTextContent();
    const pageText = textContent.items
      .map(item => item.str)
      .join(' ')
      .replace(/\s+/g, ' ')
      .trim();

    fullText += pageText + '\n\n';
    pageCount++;

    // 限制总长度
    if (fullText.length > 15000) {
      fullText = fullText.substring(0, 15000) + '\n... (文本过长，已截断)';
      break;
    }

    // 进度显示
    if (i % 5 === 0) {
      console.log(`PDF parsing progress: ${i}/${maxPages} pages`);
    }
  } catch (pageError) {
    console.warn(`Failed to parse PDF page ${i}:`, pageError);
  }
}

const result = {
  type: 'text',
  name: file.name,
  content: fullText.trim() || '无法提取文本内容',
  description: `PDF 文档: ${file.name}, 页数: ${pageCount}/${pdf.numPages}, 提取文本长度:
${fullText.length}字符, 大小: ${(fileSize / 1024).toFixed(1)}KB`,
  size: fileSize,
  pages: pageCount,
  totalPages: pdf.numPages,
  extracted: true,
  success: true
};

console.log('PDF parsing completed:', result.description);
resolve(result);

```

```

    } catch (error) {
      console.error('PDF 解析失败:', error);

      // 尝试备用方法: 如果 PDF.js 失败, 尝试其他方式
      if (error.message.includes('pdf.min.js') || error.message.includes('pdf.worker.min.js')) {
        resolve({
          type: 'pdf',
          name: file.name,
          content: `PDF 文件: ${file.name}。PDF.js 库加载失败, 建议使用在线 PDF 转文本工具提
            取内容后以 TXT 格式上传。文件大小: ${fileSize / 1024}.toFixed(1)}KB`,
          description: `PDF 文件解析失败: ${file.name} (PDF.js 库问题), 大小: ${fileSize /
            1024}.toFixed(1)}KB。建议转换为文本格式重新上传。`,
          size: fileSize,
          error: 'pdfjs_failed',
          pages: 0
        });
      } else {
        resolve({
          type: 'pdf',
          name: file.name,
          content: `PDF 文件: ${file.name}。无法解析 PDF 内容。错误: ${error.message}`,
          description: `PDF 文件解析失败: ${file.name}, 大小: ${fileSize / 1024}.toFixed(1)}KB`,
          size: fileSize,
          error: true
        });
      }
    }
  };
  reader.onerror = () => {
    console.error('PDF file read error:', file.name);
    reject(new Error(`读取 PDF 文件 ${file.name} 失败`));
  };
  reader.readAsArrayBuffer(file);
} else if (isDocx) {
  // Word 文档 (.docx)
  reader.onload = async (e) => {
    try {
      console.log('DOCX file loaded, starting parsing...');

      if (typeof mammoth === 'undefined') {
        throw new Error('Mammoth.js library not loaded');
      }

      const arrayBuffer = e.target.result;
      const result = await mammoth.extractRawText({arrayBuffer: arrayBuffer});

      const extractedText = result.value.trim();

      resolve({
        type: 'text',

```

```

        name: file.name,
        content: extractedText.substring(0, 12000), // 限制长度
        description: `Word 文档: ${file.name}, 提取文本长度: ${extractedText.length} 字符, 大小:
${(fileSize / 1024).toFixed(1)}KB`,
        size: fileSize,
        extracted: true,
        success: true
    });

    console.log('DOCX parsing completed');

} catch (error) {
    console.error('DOCX 解析失败:', error);

    resolve({
        type: 'text',
        name: file.name,
        content: `Word 文档: ${file.name}。无法解析 DOCX 文件。错误: ${error.message}。建议转换为 PDF 或 TXT 格式重新上传。`,
        description: `Word 文档解析失败: ${file.name}, 大小: ${(fileSize / 1024).toFixed(1)}KB`,
        size: fileSize,
        error: true
    });
}
};
reader.onerror = () => {
    console.error('DOCX file read error:', file.name);
    reject(new Error(`读取 DOCX 文件 ${file.name} 失败`));
};
reader.readAsArrayBuffer(file);

} else if (isTxt) {
    // 纯文本文件
    reader.onload = (e) => {
        console.log('TXT file loaded successfully');
        const content = e.target.result;
        resolve({
            type: 'text',
            name: file.name,
            content: content.substring(0, 15000), // 限制长度
            description: `文本文件: ${file.name}, 文本长度: ${content.length} 字符, 大小: ${(fileSize /
1024).toFixed(1)}KB`,
            size: fileSize,
            success: true
        });
    };
    reader.onerror = () => {
        console.error('TXT file read error:', file.name);
        reject(new Error(`读取文本文件 ${file.name} 失败`));
    };
    reader.readAsText(file, 'utf-8');
}

```

```

    } else if (isDoc) {
      // 老版本 Word 文档 (.doc)
      resolve({
        type: 'unsupported',
        name: file.name,
        content: null,
        description: `不支持的 Word 格式: ${file.name} (.doc 文件)。建议转换为.docx 或 PDF 格式后重新上传。
        文件大小: ${((fileSize / 1024).toFixed(1))}KB`,
        size: fileSize,
        warning: true
      });

    } else {
      // 其他文件类型 - 尝试作为文本处理
      reader.onload = (e) => {
        resolve({
          type: 'text',
          name: file.name,
          content: e.target.result.substring(0, 5000),
          description: `未知格式文件: ${file.name}, 尝试作为文本处理, 大小: ${((fileSize /
1024).toFixed(1))}KB`,
          size: fileSize,
          uncertain: true
        });
      };
      reader.readAsText(file, 'utf-8').catch(() => {
        reader.readAsArrayBuffer(file).then(() => {
          resolve({
            type: 'binary',
            name: file.name,
            content: null,
            description: `二进制文件: ${file.name}, 无法提取文本内容, 大小: ${((fileSize /
1024).toFixed(1))}KB。建议转换为文本、PDF 或 Word 格式。`,
            size: fileSize
          });
        });
      });
    }

    reader.onerror = () => reject(new Error(`读取文件 ${file.name} 失败`));
  });
}

// 文本相似度计算 (使用余弦相似度)
function calculateSimilarity(text1, text2) {

  if (!text1 || !text2) return 0;
  if (text1 === text2) return 1;

  // 确保文本不是空字符串
  text1 = text1.trim().toLowerCase();
  text2 = text2.trim().toLowerCase();

```

```

if (text1.length === 0 || text2.length === 0) return 0;
const words1 = text1.toLowerCase().split(/\s+/);
const words2 = text2.toLowerCase().split(/\s+/);

if (words1.length === 0 || words2.length === 0) return 0;

// 创建词汇表
const allWords = [...new Set([...words1, ...words2])];

// 创建词频向量
const vector1 = allWords.map(word => words1.filter(w => w === word).length);
const vector2 = allWords.map(word => words2.filter(w => w === word).length);

// 计算余弦相似度
const dotProduct = vector1.reduce((sum, val, i) => sum + val * vector2[i], 0);
const magnitude1 = Math.sqrt(vector1.reduce((sum, val) => sum + val * val, 0));
const magnitude2 = Math.sqrt(vector2.reduce((sum, val) => sum + val * val, 0));

const cosineSimilarity = dotProduct / (magnitude1 * magnitude2) || 0;

// 结合句子结构相似度
const sentenceSimilarity = calculateSentenceStructureSimilarity(text1, text2);

// 综合相似度（余弦相似度占 70%，句子结构占 30%）
const finalSimilarity = (cosineSimilarity * 0.7) + (sentenceSimilarity * 0.3);

return Math.max(0, Math.min(1, finalSimilarity));
}

// 辅助函数：计算句子结构相似度
function calculateSentenceStructureSimilarity(text1, text2) {
  // 简单的句子长度和标点符号相似度
  const sentences1 = text1.split(/[!?!]+/).length;
  const sentences2 = text2.split(/[!?!]+/).length;

  const lengthDiff = Math.abs(sentences1 - sentences2);
  const maxSentences = Math.max(sentences1, sentences2);

  return 1 - (lengthDiff / maxSentences);
}

// 提取诊断关键信息
function extractKeyPoints(aiResponse) {
  const sections = {
    assessment: "",
    interpretation: "",
    analysis: "",
    recommendations: "",
    tests: "",
    treatment: "",
    lifestyle: ""
  }

```

```

};

const lines = aiResponse.split('\n');
let currentSection = "";

// 多语言关键词映射
const sectionKeywords = {
  // 中文
  'zh': {
    'assessment': ['整体评估', '核心结论', '主要诊断', '初步判断', '综合评估', '总体评价'],
    'interpretation': ['详细解读', '结果分析', '异常解读', '临床意义', '数值分析', '结果解释'],
    'analysis': ['综合分析', '病因分析', '病情评估', '鉴别诊断', '可能原因', '深度分析'],
    'recommendations': ['建议', '推荐', '下一步', '处理方案', '治疗计划', '医疗建议'],
    'tests': ['检查', '检验', '影像', '实验室', '进一步检查', '辅助检查'],
    'treatment': ['治疗', '用药', '手术', '干预', '管理', '治疗方案'],
    'lifestyle': ['生活方式', '饮食', '运动', '调理', '预防', '健康建议']
  },

  // 英文
  'en': {
    'assessment': ['overall assessment', 'core conclusions', 'primary diagnosis', 'initial evaluation', 'general assessment'],
    'interpretation': ['detailed interpretation', 'result analysis', 'abnormal findings', 'clinical significance', 'value
analysis'],
    'analysis': ['comprehensive analysis', 'etiology', 'condition assessment', 'differential diagnosis', 'possible causes'],
    'recommendations': ['recommendations', 'suggestions', 'next steps', 'treatment plan', 'medical advice'],
    'tests': ['tests', 'examinations', 'imaging', 'laboratory', 'further testing', 'diagnostic tests'],
    'treatment': ['treatment', 'medication', 'surgery', 'intervention', 'management', 'therapy'],
    'lifestyle': ['lifestyle', 'diet', 'exercise', 'prevention', 'wellness', 'health advice']
  },

  // 意大利语 (it)
  'it': {
    'assessment': ['valutazione complessiva', 'conclusioni principali', 'diagnosi primaria', 'valutazione iniziale'],
    'interpretation': ['interpretazione dettagliata', 'analisi dei risultati', 'trovamenti anomali', 'significato clinico'],
    'analysis': ['analisi completa', 'eziologia', 'valutazione della condizione', 'diagnosi differenziale'],
    'recommendations': ['raccomandazioni', 'suggerimenti', 'prossimi passi', 'piano terapeutico'],
    'tests': ['test', 'esami', 'imaging', 'laboratorio', 'ulteriori test'],
    'treatment': ['trattamento', 'farmaci', 'chirurgia', 'intervento', 'gestione'],
    'lifestyle': ['stile di vita', 'dieta', 'esercizio', 'prevenzione', 'benessere']
  },

  // 荷兰语 (nl)
  'nl': {
    'assessment': ['algemene beoordeling', 'hoofdconclusies', 'primaire diagnose', 'initiële evaluatie'],
    'interpretation': ['gedetailleerde interpretatie', 'resultaatanalyse', 'abnormale bevindingen', 'klinisch belang'],
    'analysis': ['omvattende analyse', 'etiologie', 'conditiebeoordeling', 'differentiaaldiagnose'],
    'recommendations': ['aanbevelingen', 'suggesties', 'volgende stappen', 'behandelplan'],
    'tests': ['testen', 'onderzoeken', 'beeldvorming', 'laboratorium', 'verdere tests'],
    'treatment': ['behandeling', 'medicatie', 'chirurgie', 'interventie', 'beheer'],
    'lifestyle': ['levensstijl', 'dieet', 'oefening', 'preventie', 'welzijn']
  },
},

```

// 波兰语 (pl)

'pl': {

'assessment': ['ogólna ocena', 'główne wnioski', 'pierwsza diagnoza', 'wstępna ocena'],
 'interpretation': ['szczegółowa interpretacja', 'analiza wyników', 'nieprawidłowe wyniki', 'znaczenie kliniczne'],
 'analysis': ['kompleksowa analiza', 'etiologia', 'ocena stanu', 'diagnostyka różnicowa'],
 'recommendations': ['zalecenia', 'sugestie', 'kolejne kroki', 'plan leczenia'],
 'tests': ['testy', 'badania', 'obrazowanie', 'laboratorium', 'dalsze testy'],
 'treatment': ['leczenie', 'leki', 'chirurgia', 'interwencja', 'zarządzanie'],
 'lifestyle': ['styl życia', 'dieta', 'ćwiczenia', 'profilaktyka', 'zdrowie']

},

// 乌克兰语 (uk)

'uk': {

'assessment': ['загальна оцінка', 'основні висновки', 'первинний діагноз', 'початкова оцінка'],
 'interpretation': ['детальна інтерпретація', 'аналіз результатів', 'аномальні знахідки', 'клінічне значення'],
 'analysis': ['комплексний аналіз', 'етіологія', 'оцінка стану', 'диференціальна діагностика'],
 'recommendations': ['рекомендації', 'поради', 'наступні кроки', 'план лікування'],
 'tests': ['тести', 'дослідження', 'зображення', 'лабораторія', 'додаткові тести'],
 'treatment': ['лікування', 'медикаменти', 'хірургія', 'інтервенція', 'управління'],
 'lifestyle': ['спосіб життя', 'дієта', 'вправи', 'профілактика', 'здоров'я']

},

// 瑞典语 (sv)

'sv': {

'assessment': ['övergripande bedömning', 'huvudslutsatser', 'primär diagnos', 'initial utvärdering'],
 'interpretation': ['detaljerad tolkning', 'resultatanalys', 'onormala fynd', 'klinisk betydelse'],
 'analysis': ['omfattande analys', 'etiologi', 'tillståndsbedömning', 'differentialdiagnostik'],
 'recommendations': ['rekommendationer', 'förslag', 'nästa steg', 'behandlingsplan'],
 'tests': ['tester', 'undersökningar', 'bilddiagnostik', 'laboratorium', 'ytterligare tester'],
 'treatment': ['behandling', 'medicinering', 'kirurgi', 'intervention', 'hantering'],
 'lifestyle': ['livsstil', 'kost', 'träning', 'förebyggande', 'välbefinnande']

},

// 希腊语 (el)

'el': {

'assessment': ['συνολική αξιολόγηση', 'κύριες συγκρίσεις', 'πρωτογενής διάγνωση', 'αρχική αξιολόγηση'],
 'interpretation': ['λεπτομερής ερμηνεία', 'ανάλυση αποτελεσμάτων', 'ανάμала ευρήματα', 'κλινική σημασία'],
 'analysis': ['συνολική ανάλυση', 'αιτιολογία', 'αξιολόγηση κατάστασης', 'διαφορική διάγνωση'],
 'recommendations': ['συστάσεις', 'προτάσεις', 'επιμέμβματα', 'πλάνο θεραπείας'],
 'tests': ['εξετάσεις', 'έρευνες', 'απεικόνιση', 'εργαστήριο', 'περισσότερες εξετάσεις'],
 'treatment': ['θεραπεία', 'φαρμακευτική αγωγή', 'χειρουργική επέμβαση', 'παρέμβαση', 'διαχείριση'],
 'lifestyle': ['τρόπος ζωής', 'διατροφή', 'άσκηση', 'πρόληψη', 'ευεξία']

},

// 斯瓦希里语 (sw)

'sw': {

'assessment': ['tathmini ya jumla', 'hitimisho kuu', 'utambuzi wa msingi', 'tathmini ya awali'],
 'interpretation': ['tafsiri ya kina', 'uchambuzi wa matokeo', 'matokeo yasiyofaa', 'maana ya kliniki'],
 'analysis': ['uchambuzi kamili', 'etiolojia', 'tathmini ya hali', 'utambuzi wa tofauti'],
 'recommendations': ['mapendekezo', 'ushauri', 'hatua zinazofuata', 'mpango wa matibabu'],
 'tests': ['majaribio', 'uchunguzi', 'picha', 'maabara', 'majibu zaidi'],
 'treatment': ['matibabu', 'dawa', 'upasuaji', 'kuingilia', 'usimamizi'],
 'lifestyle': ['mtindo wa maisha', 'lishe', 'mazoezi', 'kinga', 'afya']

},

// 阿姆哈拉语 (am)

'am': {

'assessment': ['ጠቅላላ ግምገማ', 'ዋና መደምደሚያዎች', 'ዋና ዲያግኖሲስ', 'መጀመሪያ ግምገማ'],
 'interpretation': ['ዝርዝር ትርጉም', 'ውጤት ትንታኔ', 'ያልተለመደ ውጤቶች', 'ክሊኒካል ጠቀሜታ'],
 'analysis': ['አጠቃላይ ትንተና', 'ኢትዮሎጂ', 'ሁኔታ ግምገማ', 'ዲፈረንሺያል ዲያግኖሲስ'],
 'recommendations': ['መመከር', 'የሚመከር', 'ቀጣይ እርምጃዎች', 'የታሪክ እቅድ'],
 'tests': ['ፈተናዎች', 'መፈተሻዎች', 'ኢሜጂንግ', 'ላቦራቶሪ', 'ተጨማሪ ፈተናዎች'],
 'treatment': ['የታሪክ', 'መድሃኒት', 'ቀዶ ጥገና', 'ኢንተርቪዥን', 'አስተዳደር'],
 'lifestyle': ['የሕይወት ዘይቤ', 'አመጋገብ', 'የጤና እንቅስቃሴ', 'መከላከል', 'ጤና']

},

// 克丘亚语 (qu)

'qu': {

'assessment': ['kamachisqa yachay', 'ñawpaq yachay', 'ñawpaq ruwanakuy', 'huk yachay'],
 'interpretation': ['qillqaywan yachay', 'ruray yachay', 'mana allin ruray', 'yachay ñawpaq'],
 'analysis': ['huk yachay', 'ñawpaq yachay', 'huk yachay', 'huk yachay'],
 'recommendations': ['yachay', 'yachay', 'qatiq yachay', 'yachay ñawpaq'],
 'tests': ['yachay', 'yachay', 'yachay', 'yachay', 'qatiq yachay'],
 'treatment': ['yachay', 'yachay', 'yachay', 'yachay', 'yachay'],
 'lifestyle': ['yachay', 'yachay', 'yachay', 'yachay', 'yachay']

},

// 土耳其语 (tr)

'tr': {

'assessment': ['genel değerlendirme', 'ana sonuçlar', 'birincil teşhis', 'ilk değerlendirme'],
 'interpretation': ['ayrıntılı yorum', 'sonuç analizi', 'anormal bulgular', 'klinik önem'],
 'analysis': ['kapsamlı analiz', 'etioloji', 'durum değerlendirmesi', 'ayırıcı tanı'],
 'recommendations': ['öneriler', 'tavsiyeler', 'sonraki adımlar', 'tedavi planı'],
 'tests': ['testler', 'muayeneler', 'görüntüleme', 'laboratuvar', 'ek testler'],
 'treatment': ['tedavi', 'ilaç', 'cerrahi', 'müdahale', 'yönetim'],
 'lifestyle': ['yaşam tarzı', 'diyet', 'egzersiz', 'önleme', 'sağlık']

},

// 波斯语 (fa)

'fa': {

'assessment': ['هیلواییبایزرا', 'هیلواییبایزرا', 'هیلواییبایزرا', 'هیلواییبایزرا'],
 'interpretation': ['اینطاباتی مه', 'ایعیبطریغی اهتفای', 'جایتن لئحت', 'قیقد روهفت'],
 'analysis': ['فطرتفا صیغشت', 'تیعضویبایزرا', 'یژولویت', 'عماج لئحت'],
 'recommendations': ['اینامرد حرط', 'وعبی امامگا', 'امدانشپ', 'اه هصوت'],
 'tests': ['یفاضای اشی امزأ', 'هاگشش امزأ', 'یرادربرهصت', 'اتان یاعم', 'اشی امزأ'],
 'treatment': ['تیری دم', 'هلخادم', 'یحارج', 'وراد', 'انامرد'],
 'lifestyle': ['اتمالس', 'یریگششپ', 'شزرو', 'یاذغ میژر', 'یگدنز کبس']

},

// 韩语 (ko)

'ko': {
 'assessment': ['전반적 평가', '핵심 결론', '주요 진단', '초기 평가'],
 'interpretation': ['상세 해석', '결과 분석', '비정상 소견', '임상적 의의'],
 'analysis': ['종합 분석', '병인', '상태 평가', '감별 진단'],
 'recommendations': ['권고사항', '제안', '다음 단계', '치료 계획'],
 'tests': ['검사', '검진', '영상', '실험실', '추가 검사'],
 'treatment': ['치료', '약물', '수술', '중재', '관리'],
 'lifestyle': ['생활 방식', '식단', '운동', '예방', '건강']
 },

// 日语 (ja)

'ja': {
 'assessment': ['全体評価', '主要結論', '主要診断', '初期評価'],
 'interpretation': ['詳細解釈', '結果分析', '異常所見', '臨床的意義'],
 'analysis': ['総合分析', '病因', '状態評価', '鑑別診断'],
 'recommendations': ['推奨事項', '提案', '次のステップ', '治療計画'],
 'tests': ['検査', '診察', '画像診断', '検査室', '追加検査'],
 'treatment': ['治療', '薬物', '手術', '介入', '管理'],
 'lifestyle': ['生活習慣', '食事', '運動', '予防', '健康']
 },

// 印地语 (hi)

'hi': {
 'assessment': ['समग्र मूल्यांकन', 'मुख्य निष्कर्ष', 'प्राथमिक निदान', 'प्रारंभिक मूल्यांकन'],
 'interpretation': ['विस्तृत व्याख्या', 'परिणाम विश्लेषण', 'असामान्य निष्कर्ष', 'नैदानिक महत्व'],
 'analysis': ['व्यापक विश्लेषण', 'एटियोलॉजी', 'स्थिति मूल्यांकन', 'अंतर निदान'],
 'recommendations': ['सिफारिशें', 'सुझाव', 'अगले कदम', 'उपचार योजना'],
 'tests': ['परीक्षण', 'परीक्षाएं', 'इमेजिंग', 'प्रयोगशाला', 'अतिरिक्त परीक्षण'],
 'treatment': ['उपचार', 'दवा', 'सर्जरी', 'हस्तक्षेप', 'प्रबंधन'],
 'lifestyle': ['जीवन शैली', 'आहार', 'व्यायाम', 'रोकथाम', 'स्वास्थ्य']
 },

// 印尼语 (id)

'id': {
 'assessment': ['penilaian keseluruhan', 'kesimpulan utama', 'diagnosis primer', 'evaluasi awal'],
 'interpretation': ['interpretasi rinci', 'analisis hasil', 'temuan abnormal', 'signifikansi klinis'],
 'analysis': ['analisis komprehensif', 'etiologi', 'penilaian kondisi', 'diagnosis diferensial'],
 'recommendations': ['rekomendasi', 'saran', 'langkah selanjutnya', 'rencana pengobatan'],
 'tests': ['tes', 'pemeriksaan', 'pencitraan', 'laboratorium', 'tes tambahan'],
 'treatment': ['pengobatan', 'obat', 'bedah', 'intervensi', 'manajemen'],
 'lifestyle': ['gaya hidup', 'diet', 'olahraga', 'pencegahan', 'kesehatan']
 },

// 马来语 (ms)

'ms': {
 'assessment': ['penilaian keseluruhan', 'kesimpulan utama', 'diagnosis primer', 'penilaian awal'],
 'interpretation': ['tafsiran terperinci', 'analisis hasil', 'penemuan abnormal', 'kepentingan klinikal'],
 'analysis': ['analisis komprehensif', 'etiologi', 'penilaian keadaan', 'diagnosis diferensial'],
 'recommendations': ['cadangan', 'saranan', 'langkah seterusnya', 'pelan rawatan'],
 'tests': ['ujian', 'pemeriksaan', 'pencitraan', 'makmal', 'ujian tambahan'],
 },

'treatment': ['rawatan', 'ubat-ubatan', 'pembedahan', 'campur tangan', 'pengurusan'],
 'lifestyle': ['gaya hidup', 'diet', 'senaman', 'pencegahan', 'kesihatan']
 },

// 泰语 (th)

'th': {
 'assessment': ['การประเมินโดยรวม', 'ข้อสรุปหลัก', 'การวินิจฉัยหลัก', 'การประเมินเบื้องต้น'],
 'interpretation': ['การตีความโดยละเอียด', 'การวิเคราะห์ผลลัพธ์', 'ผลลัพธ์ผิดปกติ', 'ความสำคัญทางคลินิก'],
 'analysis': ['การวิเคราะห์แบบครอบคลุม', 'เอทอโลยี', 'การประเมินสภาพ', 'การวินิจฉัยแยกโรค'],
 'recommendations': ['คำแนะนำ', 'ข้อเสนอแนะ', 'ขั้นตอนถัดไป', 'แผนการรักษา'],
 'tests': ['การทดสอบ', 'การตรวจ', 'การถ่ายภาพ', 'ห้องปฏิบัติการ', 'การทดสอบเพิ่มเติม'],
 'treatment': ['การรักษา', 'ยา', 'การผ่าตัด', 'การแทรกแซง', 'การจัดการ'],
 'lifestyle': ['วิถีชีวิต', 'อาหาร', 'การออกกำลังกาย', 'การป้องกัน', 'สุขภาพ']
 },

// 菲律宾语 (fil)

'fil': {
 'assessment': ['pangkalahatang pagsusuri', 'pangunahing konklusyon', 'pangunahing diagnosis', 'pangunang pagsusuri'],
 'interpretation': ['detalyadong pagpapakahulugan', 'pagsusuri ng resulta', 'hindi normal na natuklasan', 'klinikal na kahalagahan'],
 'analysis': ['komprehensib na pagsusuri', 'etioloheya', 'pagsusuri ng kondisyon', 'differential na diagnosis'],
 'recommendations': ['mga rekomendasyon', 'mga suhestyon', 'susunod na hakbang', 'plano ng paggamot'],
 'tests': ['mga pagsusuri', 'mga pagsusuri', 'imaging', 'laboratoryo', 'dagdag na pagsusuri'],
 'treatment': ['paggamot', 'gamot', 'operasyon', 'interbensyon', 'pangangasiwa'],
 'lifestyle': ['paraan ng pamumuhay', 'dieta', 'ehersisyo', 'pag-iwas', 'kalusugan']
 },

// 缅甸语 (my)

'my': {
 'assessment': ['အခြေခံအကျဉ်းချုပ်', 'အဓိကအကျဉ်းချုပ်', 'အခြေခံအကျဉ်းချုပ်', 'အခြေခံအကျဉ်းချုပ်'],
 'interpretation': ['အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်'],
 'analysis': ['အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်'],
 'recommendations': ['အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်'],
 'tests': ['အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်'],
 'treatment': ['အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်'],
 'lifestyle': ['အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်', 'အကျဉ်းချုပ်အကျဉ်းချုပ်']
 },

// 孟加拉语 (bn)

'bn': {
 'assessment': ['সমগ্রিক মূল্যায়ন', 'মূল উপসংহর', 'প্রথমিক নীতি', 'প্রথমিক মূল্যায়ন'],
 'interpretation': ['বিস্তৃত ব্যাখ্যা', 'ফল ফল বিশ্লেষণ', 'অসম্ভব বক আবিস্কার', 'কনি ক ল ত ৭ পত্র']
 },

'analysis': ['সম্পূর্ণ বিশ্লেষণ', 'এন্ট্রোলজি', 'অবস্থার মূল্যায়ন', 'বর্ত্তি নন্দন বিক্ষা'],
'recommendations': ['সুপ রশি', 'পর মরশ', 'পরবর্তী পদক্ষেপ', 'চিকিৎসা পর কল্যাণ'],
'tests': ['পরি বক্ষ', 'পরি বক্ষ', 'ইমে জিৎ', 'লম্ববরটেরি', 'অতি রিক্তপরি বক্ষ'],
'treatment': ['চিকিৎসা', 'ঔষধ', 'অস্বপাচ র', 'হস্বপ', 'ব্যসঙ্গাশন'],
'lifestyle': ['জি বনধ র', 'আস্ব র', 'ব্যয়াম', 'পর রিধে', 'স্বস্বাধ

},

// 藏语 (bo)

'bo': {

'assessment': ['འཇུག་ལྟོས་འབྲིང་', 'དོན་པ་གཞན་', 'བདག་ཉིད་གི་མཁྲུག་', 'འཇུག་པའི་དྲོས་འབྲིང་'],
'interpretation': ['རྒྱལ་པོ་ལྟོས་པའི་དྲོས་འབྲིང་', 'མ་འཇུག་པའི་དྲོས་འབྲིང་', 'བློན་པོ་ལྟོས་འབྲིང་'],
'analysis': ['འཇུག་ལྟོས་པའི་དྲོས་འབྲིང་', 'འབྲིང་ལྟེངས་', 'གནས་ལུགས་ལྟོས་འབྲིང་', 'བདག་ཉིད་གི་མཁྲུག་'],
'recommendations': ['བཀའ་དྲོས་པ་', 'བཀའ་དྲོས་པ་', 'རྒྱལ་པོ་ལྟོས་པའི་དྲོས་འབྲིང་', 'བློན་པོ་ལྟོས་འབྲིང་'],
'tests': ['བློན་པོ་ལྟོས་འབྲིང་', 'བློན་པོ་ལྟོས་འབྲིང་', 'བློན་པོ་ལྟོས་འབྲིང་', 'བློན་པོ་ལྟོས་འབྲིང་'],
'treatment': ['བློན་པོ་ལྟོས་འབྲིང་', 'བློན་པོ་ལྟོས་འབྲིང་', 'བློན་པོ་ལྟོས་འབྲིང་', 'བློན་པོ་ལྟོས་འབྲིང་', 'བློན་པོ་ལྟོས་འབྲིང་'],
'lifestyle': ['མ་འཇུག་པའི་དྲོས་འབྲིང་', 'མ་འཇུག་པའི་དྲོས་འབྲིང་', 'མ་འཇུག་པའི་དྲོས་འབྲིང་', 'མ་འཇུག་པའི་དྲོས་འབྲིང་', 'མ་འཇུག་པའི་དྲོས་འབྲིང་']

},

// 维吾尔语 (ug)

'ug': {

'assessment': ['ئىشلىتىش ھەققىدە تەھلىل', 'رەھلىلىنىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل'],
'interpretation': ['ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل'],
'analysis': ['ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل'],
'recommendations': ['رەھلىلىنىش ھەققىدە تەھلىل', 'رەھلىلىنىش ھەققىدە تەھلىل', 'رەھلىلىنىش ھەققىدە تەھلىل', 'رەھلىلىنىش ھەققىدە تەھلىل'],
'tests': ['ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل'],
'treatment': ['ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل'],
'lifestyle': ['ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل', 'ئىشلىتىش ھەققىدە تەھلىل']

}

};

```
lines.forEach((line, index) => {
  const trimmedLine = line.trim();
```

// 检查是否是新的章节标题

if (trimmedLine) {

let foundSection = null;
let detectedLanguage = 'en'; // 默认英文

// 首先检测语言（简单的语言检测）

```
if (/[\u4e00-\u9fa5]/.test(trimmedLine)) {
  detectedLanguage = 'zh';
} else if (/[\u0600-\u06FF\u0750-\u077F]/.test(trimmedLine)) {
  detectedLanguage = 'fa';
} else if (/[\uac00-\ud7af]/.test(trimmedLine)) {
  detectedLanguage = 'ko';
} else if (/[\u3040-\u309f\u30a0-\u30ff]/.test(trimmedLine)) {
  detectedLanguage = 'ja';
} else if (/[\u0900-\u097f]/.test(trimmedLine)) {
  detectedLanguage = 'hi';
} else if (/[\u0e00-\u0e7f]/.test(trimmedLine)) {
  detectedLanguage = 'th';
```

```

    }

    // 检查当前检测到的语言关键词
    if (sectionKeywords[detectedLanguage]) {
        for (const [section, keywords] of Object.entries(sectionKeywords[detectedLanguage])) {
            if (keywords.some(keyword =>
                trimmedLine.includes(keyword) ||
                trimmedLine.toLowerCase().includes(keyword.toLowerCase())
            )) {
                foundSection = section;
                break;
            }
        }
    }

    // 如果没有找到, 尝试英文作为后备
    if (!foundSection && sectionKeywords['en']) {
        for (const [section, keywords] of Object.entries(sectionKeywords['en'])) {
            if (keywords.some(keyword => trimmedLine.toLowerCase().includes(keyword.toLowerCase()))) {
                foundSection = section;
                break;
            }
        }
    }

    if (foundSection) {
        currentSection = foundSection;
        return; // 标题行不添加到内容中
    }
}

// 添加到当前章节
if (currentSection && trimmedLine) {
    sections[currentSection] += trimmedLine + '\n';
}

});

// 清理空章节
Object.keys(sections).forEach(key => {
    sections[key] = sections[key].trim();
});

return sections;
}

// 比较多个 AI 结果
function compareAIResults(aiResults) {
    const comparison = {
        agreements: [],
        disagreements: [],
        similarities: [],
        uniquePoints: [],
    };

```

```

    confidenceScores: [],
    overallConsensus: 0
  };

  // 提取所有 AI 的关键点
  const allKeyPoints = aiResults.map(result => ({
    name: result.name,
    points: extractKeyPoints(result.response)
  }));

  // 找出相同点和不同点
  const sections = ['assessment', 'interpretation', 'analysis', 'recommendations', 'tests', 'treatment', 'lifestyle'];

  sections.forEach(section => {
    const sectionTexts = allKeyPoints.map(ai => ai.points[section]).filter(text => text.length > 0);

    if (sectionTexts.length > 1) {
      // 计算相似度
      let totalSimilarity = 0;
      let comparisons = 0;
      let pairAgreements = [];

      for (let i = 0; i < sectionTexts.length; i++) {
        for (let j = i + 1; j < sectionTexts.length; j++) {
          const similarity = calculateSimilarity(sectionTexts[i], sectionTexts[j]);
          totalSimilarity += similarity;
          comparisons++;

          pairAgreements.push({
            ais: [allKeyPoints[i].name, allKeyPoints[j].name],
            similarity: similarity,
            section: section
          });

          if (similarity > 0.7) {
            comparison.agreements.push({
              section: section,
              ais: [allKeyPoints[i].name, allKeyPoints[j].name],
              similarity: similarity,
              confidence: '高 (High)'
            });
          } else if (similarity < 0.4) {
            comparison.disagreements.push({
              section: section,
              ais: [allKeyPoints[i].name, allKeyPoints[j].name],
              similarity: similarity,
              confidence: '低 (Low)',
              needsReview: true
            });
          }
        }
      }
    }
  });
}

```

```

const avgSimilarity = comparisons > 0 ? totalSimilarity / comparisons : 0;
comparison.similarities.push({
  section: section,
  similarity: avgSimilarity,
  confidence: avgSimilarity > 0.6 ? '中高 (Medium-High)' :
    avgSimilarity > 0.4 ? '中等 (Medium)' : '低 (Low)'
});
}
});

// 找出独特观点
allKeyPoints.forEach(ai => {
  sections.forEach(section => {
    const text = ai.points[section];
    if (text.length > 0) {
      const isUnique = allKeyPoints.filter(otherAI =>
        otherAI.name !== ai.name &&
        calculateSimilarity(text, otherAI.points[section]) < 0.3
      ).length === allKeyPoints.length - 1;

      if (isUnique) {
        comparison.uniquePoints.push({
          ai: ai.name,
          section: section,
          content: text.substring(0, 200) + '...',
          significance: getUniquePointSignificance(ai.name, section)
        });
      }
    }
  });
});

// 计算整体共识度
const totalAgreements = comparison.agreements.length;
const totalComparisons = sections.length * (aiResults.length * (aiResults.length - 1) / 2);
comparison.overallConsensus = totalComparisons > 0 ? (totalAgreements / totalComparisons) * 100 : 0;

// 置信度评分
comparison.confidenceScores = {
  overall: Math.round(comparison.overallConsensus),
  recommendationConfidence: calculateSectionConfidence(comparison.agreements, 'recommendations'),
  assessmentConfidence: calculateSectionConfidence(comparison.agreements, 'assessment'),
  testConfidence: calculateSectionConfidence(comparison.agreements, 'tests')
};

return comparison;
}

// 辅助函数：计算特定部分的置信度
function calculateSectionConfidence(agreements, section) {
  const sectionAgreements = agreements.filter(a => a.section === section);

```

```

    const totalPossible = agreements.length > 0 ? agreements.length : 1;
    return Math.round((sectionAgreements.length / totalPossible) * 100);
}

// 辅助函数：评估独特观点的重要性
function getUniquePointSignificance(aiName, section) {
    const significanceMap = {
        'DeepSeek': {
            'assessment': '技术分析深入，可能发现其他模型忽略的细节',
            'recommendations': '基于大量医学文献的建议',
            'tests': '可能建议更全面的检查项目'
        },
        'GPT': {
            'assessment': '综合性强，考虑患者整体情况',
            'recommendations': '个性化建议更贴合患者实际情况',
            'tests': '可能建议更经济的检查组合'
        },
        'Gemini': {
            'assessment': '创新性分析，可能提出新颖观点',
            'recommendations': '基于最新医学研究的前沿建议',
            'tests': '可能建议新兴的诊断技术'
        }
    };

    return significanceMap[aiName]?.[section] || '值得参考的独特见解';
}

// 清理 Markdown 格式的函数
function cleanMarkdown(text) {
    if (!text) return text;

    // 去除 Markdown 格式符号
    let cleaned = text
        // 去除标题标记 (#, ##, ### 等)
        .replace(/^#{1,6}\s*/gm, "")
        // 去除粗体标记 (**text** 或 __text__)
        .replace(/\*(.*?)\*/g, '$1')
        .replace(/__(.*?)_/g, '$1')
        // 去除斜体标记 (*text* 或 _text_)
        .replace(/\*(.*?)\*/g, '$1')
        .replace(/_(.*?)_/g, '$1')
        // 去除删除线标记 (~~text~~)
        .replace(/~*(.*?)~/g, '$1')
        // 去除代码块标记 (``code`` 或 `code`)
        .replace(/``[\s\S]*?``/g, "")
        .replace(/([^\^]+)/g, '$1')
        // 去除列表标记 (-, *, +, 数字.)
        .replace(/^\s*[-*+]\s+/gm, "")
        .replace(/^\s*[d+].\s+/gm, "")
        // 去除引用标记 (>)
        .replace(/^\s*>\s*/gm, "")
        // 去除水平线 (---, *** 等)

```

```

.replace(/^\s*[-_]{3,}\s*/gm, ")
// 去除多余的空行
.replace(/\n{3,}/g, '\n\n')
// 去除首尾空白
.trim();

return cleaned;
}

const translations = {
  zh: {
    languageLabel: '语种',
    mainTitle: 'DR SUN YATSEN',
    mainSubtitle: '基于 AI 的医疗诊所',
    sectionI: 'I. 您的基本信息',
    sectionII: 'II. 您的主诉',
    sectionIII: 'III. 您的健康状态和病史',
    sectionIV: 'IV. 个人生活方式和环境',
    sectionV: 'V. 医疗就诊和检查',
    sectionVI: 'VI. 您想了解的进一步问题',
    sectionVII: 'VII. 化验检查或影像报告',
    sectionVIII: 'VIII. 选择 AI 模型',
    labelGender: '性别',
    optMale: '男性',
    optFemale: '女性',
    labelAge: '年龄',
    labelWeight: '体重 (kg)',
    labelHeight: '身高 (cm)',
    labelBpSystolic: '收缩压 (mmHg)',
    labelBpDiastolic: '舒张压 (mmHg)',
    labelRestingHr: '静息心率 (bpm)',
    labelDeepseekKey: 'DeepSeek API 密钥',
    labelGptKey: 'OpenAI API 密钥',
    labelGeminiKey: 'Gemini API 密钥',
    infoChiefComplaint: '这是最重要的问题；描述越清楚越好。',
    infoHealth: '请勿隐瞒您的健康状况和病史（特别是手术史和传染病史），这对诊断至关重要',
    infoLifestyle: '这些是许多疾病的触发因素或影响因素。请勿隐瞒您的个人生活方式和环境；这对诊断至关重要。',
    infoExaminations: '请勿隐瞒您的医疗就诊和检查；这对诊断至关重要。',
    labelFiles: '若有以往或最近的生理和生化检验报告、影像报告、体检单等（文件：txt, docx, pdf, jpg, png 等格式），可一并上传（可同时上传多张）',
    apiKeyInfo: '如何获取 AI API 密钥：',
    btnSubmit: '提交',
    btnReset: '清除',
    btnDownload: '下载报告',
    loadingText: '正在处理您的医疗信息...',
    placeholderChief: '哪里不舒服？具体是哪个部位？\n这种不适是什么样的？是疼(刺痛、胀痛、隐痛?)、痒、麻、酸、烧心、头晕？\n什么时候开始的？具体哪天，是突然发生还是慢慢出现？\n持续多久了？是一直持续，还是阵发性？\n有什么规律吗？比如什么时候加重（白天/晚上、饭后/空腹、活动后/休息时），什么时候缓解？\n严重程度如何？如果用 1-10 分评分（10 分最重），您打几分？是否影响睡眠、工作和日常生活？\n伴随有什么其他症状？比如发烧、咳嗽、恶心、呕吐、腹泻、出汗、心慌等？\n其他需要说明的问题。',
    placeholderHealth: '既往病史：过去得过什么重大疾病？（如高血压、糖尿病、心脏病、肝炎、结核、

```

手术史、外伤史等)\n 用药史: 目前在吃什么药 (包括处方药、非处方药、保健品、中药)? 对什么药物或食物过敏?
 \n 家族史: 直系亲属 (父母、兄弟姐妹) 是否有重大疾病或遗传病史? \n 其他。';

placeholderLifestyle: '生活习惯: 吸烟吗? (多久了, 每天多少) 喝酒吗? (频率和量) 睡眠如何? \n
 饮食运动: 日常饮食偏好, 运动习惯.\n 职业与环境: 从事什么工作? 近期有无特殊环境暴露 (如化学品、粉尘、宠物、
 旅行史)? \n 女性患者: 月经史 (周期、量、末次月经)、婚育史.\n 其他。';

placeholderVisits: '本次就诊前, 是否在其他地方看过? 做过哪些检查? \n 是否做过手术? 做过哪些手
 术? \n 是否已经用过药? 用过什么药, 效果如何? \n 其他。';

placeholderQuestions: '我可能是什么问题? 严重不严重? \n 需要做哪些检查来明确? 为什么需要做这
 些检查? \n 目前有什么治疗方法? 各自的利弊是什么? \n 在生活和饮食上需要注意什么?';

overallAssessment: '一、整体评估和核心结论';

detailedInterpretation: '二、结果详细解读、主要异常和临床意义';

comprehensiveAnalysis: '三、综合分析与建议';

analysis: '(1) 综合分析';

recommendations: '(2) 详细建议';

basicKnowledge: '四、TIPS: 与主诉病情有关的基本知识';

differenceAmongAIs: '多个 AI 诊断结果的差异分析';

disclaimer: '免责声明';

disclaimerText: '本诊断报告由 DR SUN YATSEN 给出, 结果仅供参考, 不承担任何法律风险和责任。';

;

errorNoChiefComplaint: '请填写主诉信息';

errorNoAI: '请至少选择一个 AI 模型';

errorNoAPIKey: '请输入所选 AI 模型的 API 密钥';

errorInvalidAPIKey: 'API 密钥无效或网络错误, 请检查后重试';

errorMissingRequired: '请填写所有必填项 (年龄、体重、身高、血压)';

successSubmit: '诊断报告生成成功!';

reportTitle: 'DR SUN YATSEN 医疗诊断报告';

singleAIReport: '单个 AI 诊断报告';

multipleAIReport: '多 AI 诊断综合报告';

aiDiagnosis: 'AI 诊断';

similarities: '相同点';

differences: '不同点';

agreement: '一致性';

conflict: '分歧';

patientInfo: '患者信息';

gender: '性别';

age: '年龄';

weight: '体重';

height: '身高';

bmi: 'BMI';

bloodPressure: '血压';

chiefComplaint: '主诉';

medicalReports: '医疗报告分析';

fileContent: '报告内容摘要';

generatedTime: '生成时间';

fileAnalysis: '文件分析'

},

en: {

languageLabel: 'Language',

mainTitle: 'DR SUN YATSEN',

mainSubtitle: 'An AI-Based Medical Clinic',

sectionI: 'I. Your Basic Information',

sectionII: 'II. Your Chief Complaint',

sectionIII: 'III. Your Health Status and Medical History',
 sectionIV: 'IV. Personal Lifestyle and Environment',
 sectionV: 'V. Medical Visits and Examinations',
 sectionVI: 'VI. Further Questions You Would Like to Know',
 sectionVII: 'VII. Laboratory Tests or Imaging Reports',
 sectionVIII: 'VIII. Select AI Models',
 labelGender: 'Gender',
 optMale: 'Male',
 optFemale: 'Female',
 labelAge: 'Age',
 labelWeight: 'Weight (kg)',
 labelHeight: 'Height (cm)',
 labelBpSystolic: 'Systolic BP (mmHg)',
 labelBpDiastolic: 'Diastolic BP (mmHg)',
 labelRestingHr: 'Resting Heart Rate (bpm)',
 labelDeepseekKey: 'DeepSeek API Key',
 labelGptKey: 'OpenAI API Key',
 labelGeminiKey: 'Gemini API Key',
 infoChiefComplaint: 'This is the most important question; the clearer the description, the better.',
 infoHealth: 'Do not conceal your health status and medical history (especially surgical and infectious disease history), as this is crucial for diagnosis',
 infoLifestyle: 'These are triggers or influencing factors for many diseases. Do not conceal your personal lifestyle and environment; this is crucial for diagnosis.',
 infoExaminations: 'Do not conceal your medical visits and examinations; this is crucial for diagnosis.',
 labelFiles: 'If you have previous or recent physiological and biochemical test reports, imaging reports, physical examination forms, etc. (files: txt, docx, pdf, jpg, png, etc.), you can upload them together (multiple uploads are supported)',
 apiKeyInfo: 'How to get AI API keys:',
 btnSubmit: 'Submit',
 btnReset: 'Clear',
 btnDownload: 'Download Report',
 loadingText: 'Processing your medical information...',
 placeholderChief: 'Where is the discomfort? Which specific location?\nWhat is the nature of the discomfort? Is it pain (stabbing, distending, dull?), itching, numbness, soreness, heartburn, dizziness?\nWhen did it start? What specific day, and was it sudden or gradual?\nHow long has it persisted? Is it continuous or intermittent?\nIs there any pattern? For example, when does it worsen (day/night, after meals/on empty stomach, after activity/at rest) and when does it improve?\nHow severe is it? If you rate it on a 1-10 scale (10 being most severe), what would you give it? Does it affect your sleep, work, and daily activities?\nWhat other symptoms are present? For example, fever, cough, nausea, vomiting, diarrhea, sweating, heart palpitations, etc.?\nOther issues that need explanation.',
 placeholderHealth: 'Past Medical History: What major illnesses have you had in the past? (such as hypertension, diabetes, heart disease, hepatitis, tuberculosis, surgical history, trauma history, etc.)\nMedication History: What medications are you currently taking (including prescription drugs, over-the-counter drugs, supplements, herbal medicine)? Are you allergic to any medications or foods?\nFamily History: Do your direct relatives (parents, siblings) have any major illnesses or genetic disease history?\nOther.',
 placeholderLifestyle: 'Living Habits: Do you smoke? (How long, how much per day) Do you drink alcohol? (Frequency and amount) How is your sleep?\nDiet and Exercise: Daily dietary preferences and exercise habits.\nOccupation and Environment: What is your job? Have you had any special environmental exposure recently (such as chemicals, dust, pets, travel history)?\nFemale Patients: Menstrual history (cycle, volume, last menstrual period), obstetric and gynecological history.\nOther.',
 placeholderVisits: 'Before this visit, have you seen doctors elsewhere? What examinations have you had?\nHave you had any surgeries? What surgeries have you had?\nHave you taken any medications? What medications, and how effective were they?\nOther.'

placeholderQuestions: 'What could be the problem? How serious is it?\nWhat examinations are needed to clarify? Why are these examinations needed?\nWhat treatment methods are currently available? What are the pros and cons of each?\nWhat should I be careful about in lifestyle and diet?',

overallAssessment: 'I. Overall Assessment and Core Conclusions',

detailedInterpretation: 'II. Detailed Interpretation, Main Abnormalities, and Clinical Significance',

comprehensiveAnalysis: 'III. Comprehensive Analysis and Recommendations',

analysis: '(1) Comprehensive Analysis',

recommendations: '(2) Detailed Recommendations',

basicKnowledge: 'IV. TIPS: Basic Knowledge Related to Chief Complaint',

differenceAmongAIs: 'Analysis of Differences Among Multiple AI Diagnoses',

disclaimer: 'Disclaimer',

disclaimerText: 'This diagnostic report was provided by DR SUN YATSEN. The results are for reference only, and no legal risks or liabilities are assumed.',

errorNoChiefComplaint: 'Please fill in the chief complaint information',

errorNoAI: 'Please select at least one AI model',

errorNoAPIKey: 'Please enter the API key for the selected AI model',

errorInvalidAPIKey: 'Invalid API key or network error. Please check and try again.',

errorMissingRequired: 'Please fill in all required fields (Age, Weight, Height, Blood Pressure)',

successSubmit: 'Diagnostic report generated successfully!',

reportTitle: 'DR SUN YATSEN Medical Diagnostic Report',

singleAIReport: 'Single AI Diagnostic Report',

multipleAIReport: 'Multiple AI Integrated Diagnostic Report',

aiDiagnosis: 'AI Diagnosis',

similarities: 'Similarities',

differences: 'Differences',

agreement: 'Agreement',

conflict: 'Conflicts',

patientInfo: 'Patient Information',

gender: 'Gender',

age: 'Age',

weight: 'Weight',

height: 'Height',

bmi: 'BMI',

bloodPressure: 'Blood Pressure',

chiefComplaint: 'Chief Complaint',

medicalReports: 'Medical Report Analysis',

fileContent: 'Report Summary',

generatedTime: 'Generated Time',

fileAnalysis: 'File Analysis'

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fr: {

languageLabel: 'Langue',

mainTitle: 'DR SUN YATSEN',

mainSubtitle: 'Une Clinique Médicale Basée sur l'IA',

sectionI: 'I. Vos Informations de Base',

sectionII: 'II. Votre Motif Principal de Consultation',

sectionIII: 'III. Votre État de Santé et Antécédents Médicaux',

sectionIV: 'IV. Mode de Vie Personnel et Environnement',

sectionV: 'V. Visites Médicales et Examens',

sectionVI: 'VI. Questions Supplémentaires que Vous Aimerez Connaître',

sectionVII: 'VII. Tests de Laboratoire ou Rapports d'Imagerie',

sectionVIII: 'VIII. Sélectionner les Modèles d'IA',

labelGender: 'Sexe',
 optMale: 'Homme',
 optFemale: 'Femme',
 labelAge: 'Âge',
 labelWeight: 'Poids (kg)',
 labelHeight: 'Taille (cm)',
 labelBpSystolic: 'TA systolique (mmHg)',
 labelBpDiastolic: 'TA diastolique (mmHg)',
 labelRestingHr: 'Fréquence cardiaque au repos (bpm)',
 labelDeepseekKey: 'Clé API DeepSeek',
 labelGptKey: 'Clé API OpenAI',
 labelGeminiKey: 'Clé API Gemini',
 infoChiefComplaint: 'C'est la question la plus importante; plus la description est claire, mieux c'est.',
 infoHealth: 'Ne cachez pas votre état de santé et vos antécédents médicaux (en particulier les antécédents chirurgicaux et de maladies infectieuses), car ceci est crucial pour le diagnostic',
 infoLifestyle: 'Ce sont des facteurs déclencheurs ou influençants pour de nombreuses maladies. Ne cachez pas votre mode de vie personnel et votre environnement; c'est crucial pour le diagnostic.',
 infoExaminations: 'Ne cachez pas vos visites médicales et examens; c'est crucial pour le diagnostic.',
 labelFiles: 'Si vous avez des rapports de tests physiologiques et biochimiques antérieurs ou récents, des rapports d'imagerie, des formulaires d'examen physique, etc. (ichiers: txt, docx, pdf, jpg, png, etc.), vous pouvez les télécharger ensemble (plusieurs téléchargements sont pris en charge)',
 apiKeyInfo: 'Comment obtenir les clés API IA:',
 btnSubmit: 'Soumettre',
 btnReset: 'Effacer',
 btnDownload: 'Télécharger le Rapport',
 loadingText: 'Traitement de vos informations médicales...',
 placeholderChief: 'Où ressentez-vous l'inconfort ? Quel endroit spécifique ?\nQuelle est la nature de l'inconfort ? Est-ce une douleur (piquante, distension, sourde ?), des démangeaisons, un engourdissement, une courbature, des brûlures d'estomac, des étourdissements ?\nQuand cela a-t-il commencé ? Quel jour précis, était-ce soudain ou progressif ?\nDepuis combien de temps cela dure-t-il ? Est-ce continu ou intermittent ?\nY a-t-il un schéma ? Par exemple, quand cela s'aggrave (jour/nuit, après les repas/à jeun, après l'activité/au repos), quand cela s'améliore ?\nQuelle est la gravité ? Si vous le notez sur une échelle de 1 à 10 (10 étant le plus grave), quelle note donneriez-vous ? Cela affecte-t-il votre sommeil, votre travail et vos activités quotidiennes ?\nQuels autres symptômes sont présents ? Par exemple, fièvre, toux, nausées, vomissements, diarrhée, transpiration, palpitations cardiaques, etc. ?\nAutres problèmes nécessitant une explication.',
 placeholderHealth: 'Antécédents médicaux : Quelles maladies graves avez-vous eues dans le passé ? (comme l'hypertension, le diabète, les maladies cardiaques, l'hépatite, la tuberculose, les antécédents chirurgicaux, les antécédents de traumatisme, etc.)\nHistorique des médicaments : Quels médicaments prenez-vous actuellement (y compris les médicaments sur ordonnance, les médicaments en vente libre, les suppléments, la médecine chinoise) ? Êtes-vous allergique à des médicaments ou des aliments ?\nAntécédents familiaux : Vos proches parents (parents, frères et sœurs) ont-ils des maladies graves ou des antécédents de maladies génétiques ?\nAutre.',
 placeholderLifestyle: 'Habitudes de vie : Fumez-vous ? (Depuis combien de temps, combien par jour) Buvez-vous de l'alcool ? (Fréquence et quantité) Comment est votre sommeil ?\nAlimentation et exercice : Préférences alimentaires quotidiennes, habitudes d'exercice.\nProfession et environnement : Quel est votre travail ? Avez-vous eu une exposition environnementale spéciale récemment (comme des produits chimiques, de la poussière, des animaux domestiques, des antécédents de voyage) ?\nPatientes : Antécédents menstruels (cycle, volume, dernières règles), antécédents obstétriques et gynécologiques.\nAutre.',
 placeholderVisits: 'Avant cette visite, avez-vous consulté ailleurs ? Quels examens avez-vous passés ?\nAvez-vous subi des opérations ? Quelles opérations avez-vous subies ?\nAvez-vous déjà pris des médicaments ? Quels médicaments, et quelle a été leur efficacité ?\nAutre.',
 placeholderQuestions: 'Quel pourrait être le problème ? Est-ce grave ?\nQuels examens sont nécessaires pour clarifier ? Pourquoi ces examens sont-ils nécessaires ?\nQuelles méthodes de traitement sont actuellement disponibles ? Quels sont les avantages et les inconvénients de chacune ?\nÀ quoi dois-je faire attention dans mon mode de vie et mon alimentation ?',

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    disclaimer: 'Clause de non-responsabilité',
    disclaimerText: 'Ce rapport de diagnostic a été fourni par DR SUN YATSEN. Les résultats sont à titre
informatif uniquement et n\'engagent aucune responsabilité juridique.',
    errorNoChiefComplaint: 'Veuillez remplir les informations sur le motif principal de consultation',
    errorNoAI: 'Veuillez sélectionner au moins un modèle d\'IA',
    errorNoAPIKey: 'Veuillez entrer la clé API pour le modèle d\'IA sélectionné',
    errorMissingRequired: 'Veuillez remplir tous les champs obligatoires (Âge, Poids, Taille, Tension artérielle)',
    successSubmit: 'Rapport de diagnostic généré avec succès!',
    reportTitle: 'Rapport de Diagnostic Médical DR SUN YATSEN',
    singleAIReport: 'Rapport de Diagnostic AI Unique',
    multipleAIReport: 'Rapport de Diagnostic Intégré Multi-IA',
    aiDiagnosis: 'Diagnostic IA',
    similarities: 'Ressemblances',
    differences: 'Différences',
    agreement: 'Accord',
    conflict: 'Conflits',
    patientInfo: 'Informations du Patient',
    gender: 'Sexe',
    age: 'Âge',
    weight: 'Poids',
    height: 'Taille',
    bmi: 'IMC',
    bloodPressure: 'Tension Artérielle',
    chiefComplaint: 'Motif Principal',
    medicalReports: 'Analyse des Rapports Médicaux',
    fileContent: 'Résumé du Rapport',
    generatedTime: 'Heure de Génération',
    fileAnalysis: 'Analyse des Fichiers'
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  es: {
languageLabel: 'Idioma',
    mainTitle: 'DR SUN YATSEN',
    mainSubtitle: 'Una Clínica Médica Basada en IA',
    sectionI: 'I. Su Información Básica',
    sectionII: 'II. Su Motivo de Consulta Principal',
    sectionIII: 'III. Su Estado de Salud e Historia Médica',
    sectionIV: 'IV. Estilo de Vida Personal y Entorno',
    sectionV: 'V. Visitas Médicas y Exámenes',
    sectionVI: 'VI. Preguntas Adicionales que Desea Conocer',
    sectionVII: 'VII. Pruebas de Laboratorio o Informes de Imágenes',
    sectionVIII: 'VIII. Seleccionar Modelos de IA',
    labelGender: 'Sexo',
    optMale: 'Masculino',
    optFemale: 'Femenino',
    labelAge: 'Edad',
    labelWeight: 'Peso (kg)',
    labelHeight: 'Altura (cm)',
    labelBpSystolic: 'TA sistólica (mmHg)',
    labelBpDiastolic: 'TA diastólica (mmHg)',
labelRestingHr: 'Frecuencia cardíaca en reposo (lpm)',
    labelDeepseekKey: 'Clave API DeepSeek',
    labelGptKey: 'Clave API OpenAI',

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labelGeminiKey: 'Clave API Gemini',
 infoChiefComplaint: 'Esta es la pregunta más importante; cuanto más clara sea la descripción, mejor.',
 infoHealth: 'No oculte su estado de salud e historia médica (especialmente antecedentes quirúrgicos e infecciosos), ya que esto es crucial para el diagnóstico',
 infoLifestyle: 'Estos son factores desencadenantes o influyentes para muchas enfermedades. No oculte su estilo de vida personal y entorno; esto es crucial para el diagnóstico.',
 infoExaminations: 'No oculte sus visitas médicas y exámenes; esto es crucial para el diagnóstico.',
 labelFiles: 'Si tiene informes de pruebas fisiológicas y bioquímicas anteriores o recientes, informes de imágenes, formularios de examen físico, etc. (archivos: txt, docx, pdf, jpg, png, etc.), puede cargarlos juntos (se admiten múltiples cargas)',
 apiKeyInfo: 'Cómo obtener claves API de IA:',
 btnSubmit: 'Enviar',
 btnReset: 'Limpiar',
 btnDownload: 'Descargar Reporte',
 loadingText: 'Procesando su información médica...',
 placeholderChief: '¿Dónde siente la molestia? ¿Qué ubicación específica? ¿Cuál es la naturaleza de la molestia? ¿Es dolor (punzante, distensión, sordo?), picazón, entumecimiento, dolor muscular, acidez estomacal, mareos? ¿Cuándo comenzó? ¿Qué día específico, fue repentino o gradual? ¿Cuánto tiempo ha persistido? ¿Es continuo o intermitente? ¿Hay algún patrón? Por ejemplo, ¿cuándo empeora (día/noche, después de las comidas/en ayunas, después de la actividad/en reposo), cuándo mejora? ¿Qué tan grave es? Si lo califica en una escala de 1-10 (10 siendo el más grave), ¿qué calificación le daría? ¿Afecta su sueño, trabajo y actividades diarias? ¿Qué otros síntomas están presentes? Por ejemplo, fiebre, tos, náuseas, vómitos, diarrea, sudoración, palpitaciones cardíacas, etc. ¿Otros problemas que necesitan explicación.',
 placeholderHealth: 'Historia médica pasada: ¿Qué enfermedades graves ha tenido en el pasado? (como hipertensión, diabetes, enfermedades cardíacas, hepatitis, tuberculosis, historia quirúrgica, historia de trauma, etc.) ¿Historia de medicamentos: ¿Qué medicamentos está tomando actualmente (incluidos medicamentos recetados, medicamentos de venta libre, suplementos, medicina herbal)? ¿Es alérgico a algún medicamento o alimento? ¿Historia familiar: ¿Sus familiares directos (padres, hermanos) tienen alguna enfermedad grave o antecedentes de enfermedades genéticas? ¿Otro.',
 placeholderLifestyle: 'Hábitos de vida: ¿Fuma? (¿Cuánto tiempo, cuánto por día?) ¿Bebe alcohol? (Frecuencia y cantidad) ¿Cómo es su sueño? ¿Dieta y ejercicio: Preferencias dietéticas diarias, hábitos de ejercicio. ¿Ocupación y entorno: ¿Cuál es su trabajo? ¿Ha tenido alguna exposición ambiental especial recientemente (como químicos, polvo, mascotas, historial de viajes)? ¿Pacientes femeninas: Historia menstrual (ciclo, volumen, último período menstrual), historia obstétrica y ginecológica. ¿Otro.',
 placeholderVisits: 'Antes de esta visita, ¿ha consultado en otro lugar? ¿Qué exámenes se ha realizado? ¿Ha tenido alguna cirugía? ¿Qué cirugías ha tenido? ¿Ha tomado algún medicamento? ¿Qué medicamentos y qué tan efectivos fueron? ¿Otro.',
 placeholderQuestions: '¿Cuál podría ser el problema? ¿Qué tan grave es? ¿Qué exámenes son necesarios para aclarar? ¿Por qué son necesarios estos exámenes? ¿Qué métodos de tratamiento están disponibles actualmente? ¿Cuáles son los pros y los contras de cada uno? ¿A qué debo prestar atención en el estilo de vida y la dieta?',
 disclaimer: 'Descargo de responsabilidad',
 disclaimerText: 'Este informe de diagnóstico fue proporcionado por DR SUN YATSEN. Los resultados son solo para referencia y no asumen ningún riesgo o responsabilidad legal.',
 errorNoChiefComplaint: 'Por favor complete la información del motivo de consulta principal',
 errorNoAI: 'Por favor seleccione al menos un modelo de IA',
 errorNoAPIKey: 'Por favor ingrese la clave API para el modelo de IA seleccionado',
 errorMissingRequired: 'Por favor complete todos los campos obligatorios (Edad, Peso, Altura, Tensión arterial)',
 successSubmit: '¡Reporte de diagnóstico generado exitosamente!',
 reportTitle: 'Informe de Diagnóstico Médico DR SUN YATSEN',
 singleAIReport: 'Informe de Diagnóstico AI Único',
 multipleAIReport: 'Informe de Diagnóstico Integrado Multi-IA',
 aiDiagnosis: 'Diagnóstico IA',
 similarities: 'Similitudes',
 differences: 'Diferencias',

```

agreement: 'Acuerdo',
conflict: 'Conflictos',
patientInfo: 'Información del Paciente',
gender: 'Sexo',
age: 'Edad',
weight: 'Peso',
height: 'Altura',
bmi: 'IMC',
bloodPressure: 'Presión Arterial',
chiefComplaint: 'Motivo Principal',
medicalReports: 'Análisis de Informes Médicos',
fileContent: 'Resumen del Informe',
generatedTime: 'Hora de Generación',
fileAnalysis: 'Análisis de Archivos'
},
de: {
languageLabel: 'Sprache',
mainTitle: 'DR SUN YATSEN',
mainSubtitle: 'Eine KI-basierte medizinische Klinik',
sectionI: 'I. Ihre Grundinformationen',
sectionII: 'II. Ihr Hauptbeschwerde',
sectionIII: 'III. Ihr Gesundheitszustand und medizinische Vorgeschichte',
sectionIV: 'IV. Persönlicher Lebensstil und Umgebung',
sectionV: 'V. Ärztliche Besuche und Untersuchungen',
sectionVI: 'VI. Weitere Fragen, die Sie gerne wissen möchten',
sectionVII: 'VII. Labortests oder Bildgebungsberichte',
sectionVIII: 'VIII. KI-Modelle auswählen',
labelGender: 'Geschlecht',
optMale: 'Männlich',
optFemale: 'Weiblich',
labelAge: 'Alter',
labelWeight: 'Gewicht (kg)',
labelHeight: 'Größe (cm)',
labelBpSystolic: 'Systolischer BD (mmHg)',
labelBpDiastolic: 'Diastolischer BD (mmHg)',
labelRestingHr: 'Ruhige Herzfrequenz (bpm)',
labelDeepseekKey: 'DeepSeek API-Schlüssel',
labelGptKey: 'OpenAI API-Schlüssel',
labelGeminiKey: 'Gemini API-Schlüssel',
infoChiefComplaint: 'Dies ist die wichtigste Frage; je klarer die Beschreibung, desto besser.',
infoHealth: 'Verbergen Sie nicht Ihren Gesundheitszustand und Ihre medizinische Vorgeschichte (besonders chirurgische und Infektionskrankheitsgeschichte), da dies für die Diagnose entscheidend ist',
infoLifestyle: 'Dies sind Auslöser oder Einflussfaktoren für viele Krankheiten. Verbergen Sie nicht Ihren persönlichen Lebensstil und Ihre Umgebung; dies ist entscheidend für die Diagnose.',
infoExaminations: 'Verbergen Sie nicht Ihre ärztlichen Besuche und Untersuchungen; dies ist entscheidend für die Diagnose.',
labelFiles: 'Wenn Sie frühere oder kürzliche physiologische und biochemische Testberichte, Bildgebungsberichte, physische Untersuchungsformulare usw. (Bilder oder Dateien; txt, docx, pdf, jpg, png usw.) haben, können Sie diese zusammen hochladen (mehrfaches Hochladen wird unterstützt)',
apiKeyInfo: 'So erhalten Sie KI-API-Schlüssel:',
btnSubmit: 'Absenden',
btnReset: 'Löschen',

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btnDownload: 'Bericht Herunterladen',

loadingText: 'Ihre medizinischen Informationen werden verarbeitet...'

placeholderChief: 'Wo spüren Sie das Unbehagen? Welche spezifische Stelle?\nWie ist die Art des Unbehagens? Ist es Schmerz (stechend, dehnend, dumpf?), Juckreiz, Taubheit, Muskelschmerzen, Sodbrennen, Schwindel?\nWann hat es begonnen? An welchem spezifischen Tag, war es plötzlich oder allmählich?\nWie lange hält es schon an? Ist es kontinuierlich oder intermittierend?\nGibt es ein Muster? Zum Beispiel, wann verschlimmert es sich (Tag/Nacht, nach den Mahlzeiten/auf nüchternen Magen, nach Aktivität/in Ruhe), wann verbessert es sich?\nWie schwer ist es? Wenn Sie es auf einer Skala von 1-10 bewerten (10 ist am schwersten), welche Bewertung würden Sie geben? Beeinträchtigt es Ihren Schlaf, Ihre Arbeit und tägliche Aktivitäten?\nWelche anderen Symptome sind vorhanden? Zum Beispiel Fieber, Husten, Übelkeit, Erbrechen, Durchfall, Schwitzen, Herzklopfen usw.?\nAndere Probleme, die einer Erklärung bedürfen.'

placeholderHealth: 'Frühere Krankengeschichte: Welche schweren Krankheiten hatten Sie in der Vergangenheit? (wie Bluthochdruck, Diabetes, Herzkrankheiten, Hepatitis, Tuberkulose, chirurgische Vorgeschichte, Traumageschichte usw.)\nMedikamentengeschichte: Welche Medikamente nehmen Sie derzeit ein (einschließlich verschreibungspflichtiger Medikamente, rezeptfreier Medikamente, Nahrungsergänzungsmittel, Kräutermedizin)? Sind Sie allergisch gegen Medikamente oder Lebensmittel?\nFamiliengeschichte: Haben Ihre direkten Verwandten (Eltern, Geschwister) schwere Krankheiten oder genetische Krankheitsgeschichte?\nAnderes.'

placeholderLifestyle: 'Lebensgewohnheiten: Rauchen Sie? (Wie lange, wie viel pro Tag) Trinken Sie Alkohol? (Häufigkeit und Menge) Wie ist Ihr Schlaf?\nErnährung und Bewegung: Tägliche Ernährungspräferenzen, Bewegungsgewohnheiten.\nBeruf und Umgebung: Was ist Ihr Beruf? Hatten Sie kürzlich eine besondere Umweltexposition (wie Chemikalien, Staub, Haustiere, Reisegeschichte)?\nWeibliche Patienten: Menstruationsgeschichte (Zyklus, Menge, letzte Menstruation), geburtshilfliche und gynäkologische Geschichte.\nAnderes.'

placeholderVisits: 'Haben Sie vor diesem Besuch woanders konsultiert? Welche Untersuchungen haben Sie durchgeführt?\nHatten Sie Operationen? Welche Operationen hatten Sie?\nHaben Sie Medikamente eingenommen? Welche Medikamente und wie wirksam waren sie?\nAnderes.'

placeholderQuestions: 'Was könnte das Problem sein? Wie ernst ist es?\nWelche Untersuchungen sind zur Klärung erforderlich? Warum sind diese Untersuchungen erforderlich?\nWelche Behandlungsmethoden sind derzeit verfügbar? Was sind die Vor- und Nachteile von jeder?\nWorauf sollte ich in Bezug auf Lebensstil und Ernährung achten?'

disclaimer: 'Haftungsausschluss',

disclaimerText: 'Dieser Diagnosebericht wurde von DR SUN YATSEN bereitgestellt. Die Ergebnisse dienen nur zu Informationszwecken und es wird keine rechtliche Haftung übernommen.'

errorNoChiefComplaint: 'Bitte füllen Sie die Informationen zur Hauptbeschwerde aus',

errorNoAI: 'Bitte wählen Sie mindestens ein KI-Modell aus',

errorNoAPIKey: 'Bitte geben Sie den API-Schlüssel für das ausgewählte KI-Modell ein',

errorMissingRequired: 'Bitte füllen Sie alle erforderlichen Felder aus (Alter, Gewicht, Größe, Blutdruck)',

successSubmit: 'Diagnosebericht erfolgreich erstellt!',

reportTitle: 'DR SUN YATSEN Medizinischer Diagnosebericht',

singleAIReport: 'Einzelner KI-Diagnosebericht',

multipleAIReport: 'Integrierter Multi-KI-Diagnosebericht',

aiDiagnosis: 'KI-Diagnose',

similarities: 'Ähnlichkeiten',

differences: 'Unterschiede',

agreement: 'Übereinstimmung',

conflict: 'Unstimmigkeiten',

patientInfo: 'Patienteninformationen',

gender: 'Geschlecht',

age: 'Alter',

weight: 'Gewicht',

height: 'Größe',

bmi: 'BMI',

bloodPressure: 'Blutdruck',

chiefComplaint: 'Hauptbeschwerde',

medicalReports: 'Analyse von Medizinischen Berichten',

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fileContent: 'Berichtzusammenfassung',
generatedTime: 'Generierungszeit',
fileAnalysis: 'Dateianalyse'
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ru: {
languageLabel: 'Язык',
mainTitle: 'DR SUN YATSEN',
mainSubtitle: 'Клиника, основанная на искусственном интеллекте',
sectionI: 'I. Ваша основная информация',
sectionII: 'II. Ваша основная жалоба',
sectionIII: 'III. Ваше здоровье и история болезни',
sectionIV: 'IV. Личный образ жизни и окружающая среда',
sectionV: 'V. Медицинские посещения и обследования',
sectionVI: 'VI. Дополнительные вопросы, которые вы хотели бы знать',
sectionVII: 'VII. Лабораторные тесты или отчеты об визуализации',
sectionVIII: 'VIII. Выбор моделей искусственного интеллекта',
labelGender: 'Пол',
optMale: 'Мужской',
optFemale: 'Женский',
labelAge: 'Возраст',
labelWeight: 'Вес (кг)',
labelHeight: 'Рост (см)',
labelBpSystolic: 'Систолическое АД (мм рт.ст.)',
labelBpDiastolic: 'Диастолическое АД (мм рт.ст.)',
labelRestingHr: 'Пульс в покое (уд/мин)',
labelDeepseekKey: 'Ключ API DeepSeek',
labelGptKey: 'Ключ API OpenAI',
labelGeminiKey: 'Ключ API Gemini',
infoChiefComplaint: 'Это самый важный вопрос; чем яснее описание, тем лучше.',
infoHealth: 'Не скрывайте свое состояние здоровья и анамнез (особенно хирургические и инфекционные заболевания), так как это имеет решающее значение для диагностики',
infoLifestyle: 'Это триггеры или влияющие факторы для многих заболеваний. Не скрывайте свой личный образ жизни и окружающую среду; это имеет решающее значение для диагностики.',
infoExaminations: 'Не скрывайте свои медицинские визиты и обследования; это имеет решающее значение для диагностики.',
labelFiles: 'Если у вас есть предыдущие или недавние отчеты о физиологических и биохимических тестах, отчеты об визуализации, формы физического обследования и т.д. (изображения или файлы: txt, docx, pdf, jpg, png и т.д.), вы можете загрузить их вместе (поддерживается несколько загрузок)',
apiKeyInfo: 'Как получить ключи API искусственного интеллекта?',
btnSubmit: 'Отправить',
btnReset: 'Очистить',
btnDownload: 'Загрузить отчет',
loadingText: 'Обработка вашей медицинской информации...',
placeholderChief: 'Где вы чувствуете дискомфорт? Какое конкретное место?\nКакова природа дискомфорта? Это боль (колющая, распирающая, тупая?), зуд, онемение, ломота, изжога, головокружение?\nКогда это началось? В какой конкретный день, это было внезапно или постепенно?\nКак долго это продолжается? Это постоянно или периодически?\nЕсть ли закономерность? Например, когда усиливается (днем/ночью, после еды/натошак, после активности/в покое), когда улучшается?\nНасколько это серьезно? Если оценить по шкале от 1 до 10 (10 - самое серьезное), какую оценку вы бы поставили? Влияет ли это на ваш сон, работу и повседневную деятельность?\nКакие другие симптомы присутствуют? Например, лихорадка, кашель, тошнота, рвота, диарея, потоотделение, сердцебиение и т.д.?\nДругие проблемы, требующие объяснения.',
placeholderHealth: 'Предыдущая медицинская история: Какие серьезные заболевания у вас были в прошлом? (такие

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как гипертония, диабет, болезни сердца, гепатит, туберкулез, хирургическая история, история травм и т.д.)\nИстория лекарств: Какие лекарства вы принимаете в настоящее время (включая рецептурные препараты, безрецептурные препараты, добавки, травяные лекарства)? Есть ли у вас аллергия на какие-либо лекарства или продукты?\nСемейная история: Есть ли у ваших прямых родственников (родители, братья и сестры) какие-либо серьезные заболевания или генетические заболевания?\nДругое.',

placeholderLifestyle: 'Привычки образа жизни: Вы курите? (Как долго, сколько в день) Вы пьете алкоголь? (Частота и количество) Как ваш сон?\nПитание и физические упражнения: Ежедневные предпочтения в питании, привычки к физическим упражнениям.\nПрофессия и окружающая среда: Какая у вас работа? Была ли у вас недавно особая экологическая экспозиция (например, химикаты, пыль, домашние животные, история путешествий)?\nЖенщины-пациенты: Менструальная история (цикл, объем, последняя менструация), акушерская и гинекологическая история.\nДругое.',

placeholderVisits: 'Перед этим визитом вы консультировались где-то еще? Какие обследования вы проходили?\nБыли ли у вас операции? Какие операции были?\nПринимали ли вы какие-либо лекарства? Какие лекарства и насколько они были эффективны?\nДругое.',

placeholderQuestions: 'Какая может быть проблема? Насколько это серьезно?\nКакие обследования необходимы для уточнения? Почему эти обследования необходимы?\nКакие методы лечения доступны в настоящее время? Каковы плюсы и минусы каждого?\nНа что мне следует обратить внимание в образе жизни и диете?',

disclaimer: 'Отказ от ответственности',

disclaimerText: 'Этот диагностический отчет предоставлен DR SUN YATSEN. Результаты предоставляются только в справочных целях и не несут никаких правовых рисков или ответственности.',

errorNoChiefComplaint: 'Пожалуйста, заполните информацию об основной жалобе',

errorNoAI: 'Пожалуйста, выберите хотя бы одну модель искусственного интеллекта',

errorNoAPIKey: 'Пожалуйста, введите ключ API для выбранной модели искусственного интеллекта',

errorMissingRequired: 'Пожалуйста, заполните все обязательные поля (Возраст, Вес, Рост, Артериальное давление)',

successSubmit: 'Диагностический отчет успешно создан!',

reportTitle: 'Медицинский диагностический отчет DR SUN YATSEN',

singleAIReport: 'Отчет о диагностике одной ИИ',

multipleAIReport: 'Интегрированный отчет о диагностике с несколькими ИИ',

aiDiagnosis: 'Диагностика ИИ',

similarities: 'Сходства',

differences: 'Различия',

agreement: 'Согласие',

conflict: 'Конфликты',

patientInfo: 'Информация о пациенте',

gender: 'Пол',

age: 'Возраст',

weight: 'Вес',

height: 'Рост',

bmi: 'ИМТ',

bloodPressure: 'Кровяное давление',

chiefComplaint: 'Основная жалоба',

medicalReports: 'Анализ медицинских отчетов',

fileContent: 'Краткое содержание отчета',

generatedTime: 'Время создания',

fileAnalysis: 'Анализ файлов'

},

ar: {

languageLabel: 'عەرەبى',

mainTitle: 'DR SUN YATSEN',

mainSubtitle: 'إيوان طصلال الكفلاىلى ع قىمىاق عىبب عداى ع',

sectionI: 'I. عىس اسأل الكفلامول عم',


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disclaimer: 'ٺي لوؤس مل اءال خ',
disclaimerText: 'طقف ٺي عجر مل جئائتال. DR SUN YATSEN ؤطس اوب ي صي خشتال ريرقتال اذو ريفوت مت',
'ٺي ونواق ٺي لوؤس مل اءال خحت الو',
errorNoChiefComplaint: 'ٺي سي ئرلا يوگشل تامول عم ءلم ي جري',
errorNoAI: 'لقال اءل ع دحاو ي عان طصا ءالئذ جؤمن دي دحت ي جري',
errorNoAPIKey: 'دح مل اءل عان طصا ال ءالئذ جؤمن ل API حاتفم لا خد! ي جري',
errorMissingRequired: '(مدل ا طغضو لو طلاو نزولاو رم عل) ؤبول طمل لوق حل اءم ج ءلم ي جري',
successSubmit: '!حاجنب ي صي خشتال ريرقتال ءاشن! مت',
reportTitle: 'DR SUN YATSEN ي بطل ا صي خشتال ريرقت',
singleAIRport: 'ي درفل ا صي خشتال ريرقت',
multipleAIRport: 'AI دد عتم لم الكت مل ا صي خشتال ريرقت',
aiDiagnosis: 'AI صي خشتال',
similarities: 'ءباشتال ءو ا',
differences: 'ءافالءال',
agreement: 'ءافءال',
conflict: 'ءاعازنل',
patientInfo: 'ص ي رمل تامول عم',
gender: 'سن جل',
age: 'رم عل',
weight: 'نزول',
height: 'لو طل',
bmi: 'مس جلا ؤلئك رشؤم',
bloodPressure: 'مدل ا طغض',
chiefComplaint: 'ٺي سي ئرلا يوگشل',
medicalReports: 'ٺي بطل ا ريرقتال ليل حء',
fileContent: 'ريرقتال ص خلم',
generatedTime: 'ءاشن الءاقو',
fileAnalysis: 'ءافلم ل ليل حء'
},

```

```

eo: {
languageLabel: 'Lingvo',
mainTitle: 'DR SUN YATSEN',
mainSubtitle: 'AI-bazita Medicinaj Kliniko',
sectionI: 'I. Viaj Baziĝaj Informoj',
sectionII: 'II. Via Ĉefa Plendo',
sectionIII: 'III. Via Sana Stato kaj Medicinaj Antaŭhistorio',
sectionIV: 'IV. Persona Vivmaniero kaj Ĉirkaŭaĵo',
sectionV: 'V. Medicinaj Vizitoj kaj Ekzamenoj',
sectionVI: 'VI. Pliaj Demandoj, Kiujn Vi Ŝatus Sci',
sectionVII: 'VII. Laboratoraj Testoj aŭ Bildaj Raportoj',
sectionVIII: 'VIII. Elekti AI-Modelojn',
labelGender: 'Sekso',
optMale: 'Viro',
optFemale: 'Virino',
labelAge: 'Aĝo',
labelWeight: 'Pezo (kg)',
labelHeight: 'Alto (cm)',
labelBpSystolic: 'Sistola Sangopremo (mmHg)',
labelBpDiastolic: 'Diastola Sangopremo (mmHg)',
labelRestingHr: 'Ripozanta Korbafrekvenco (bpm)',
labelDeepseekKey: 'DeepSeek API-ŝlosilo',

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labelGptKey: 'OpenAI API-ŝlosilo',
 labelGeminiKey: 'Gemini API-ŝlosilo',
 infoChiefComplaint: 'Tio estas la plej grava demando; je pli klara priskribo, des pli bone.',
 infoHealth: 'Ne kaŝu vian sanstaton kaj medicinan historion (precipe kirurgiajn kaj infektajn malsanojn), ĉar tio estas krucaj por diagnozo',
 infoLifestyle: 'Jen trigiloj aŭ influaj faktoroj por multaj malsanoj. Ne kaŝu vian personan vivmanieron kaj ĉirkaŭaĵon; tio estas krucaj por diagnozo.',
 infoExaminations: 'Ne kaŝu viajn medicinajn vizitojn kaj ekzamenojn; tio estas krucaj por diagnozo.',
 labelFiles: 'Se vi havas antaŭajn aŭ lastajn fiziologiajn kaj biokemiajn testraportojn, bildraportojn, fizikaj ekzamenaj formularoj, ktp. (bildoj aŭ dosieroj; txt, docx, pdf, jpg, png, ktp.), vi povas alŝuti ilin kune (multaj alŝutoj estas subtenataj)',
 apiKeyInfo: 'Kiel akiri AI API-ŝlosilojn:',
 btnSubmit: 'Sendi',
 btnReset: 'Forigi',
 btnDownload: 'Elŝuti Raporton',
 loadingText: 'Praktikante viajn medicinajn informojn...',
 placeholderChief: 'Kie vi sentas malkomforton? Kiun specifan lokon? \nKia estas la naturo de la malkomforto? Ĉu ĝi estas doloro (pikanta, ŝvelanta, malakra?), jukas, sensentas, doloro, brulanta, kapturmo? \nKiam ĝi komenciĝis? Kiun specifan tagon, ĉu ĝi estis subita aŭ graduala? \nKiom da tempo ĝi daŭris? Ĉu ĝi estas kontinua aŭ intervala? \nĈu estas iu regulo? Ekzemple, kiam ĝi malboniĝas (tage/nokte, post manĝo/sur malsata stomako, post aktiveco/dum ripozo), kiam ĝi pliiĝas? \nKiom da severeco? Se vi taksus ĝin sur skalo de 1-10 (10 estas la plej severa), kian takson vi donus? Ĝi ĉu influas vian dormon, laboron kaj ĉiutagan vivon? \nKiujn aliajn simptomojn ĉu ĉeestas? Ekzemple, febro, kaŝo, naŭzo, vomado, diarĥo, sveto, kora palpiĝo, ktp.? \nAliaj problemoj kiuj bezonas klarigon.',
 placeholderHealth: 'Antaŭa Medicinaj Historio: Kiujn gravajn malsanojn vi havis en la pasinteco? (kiel hipertensio, diabeto, kora malsano, hepatito, tuberkulozo, kirurgia historio, trauma historio, ktp.) \nMedicinaj Historio: Kiujn medikamentojn vi nuntempe prenas (inkluzive de preskribitaj medikamentoj, kontraŭreceptaj medikamentoj, suplementoj, ĉina medicino)? Ĉu vi estas alerĝa al iu ajn medikamentoj aŭ manĝaĵoj? \nFamilia Historio: Ĉu viaj rektaj parencoj (gepatroj, fratoj kaj fratinoj) havas gravajn malsanojn aŭ heredajn malsanojn? \nAliaj.',
 placeholderLifestyle: 'Vivmanieroj: Ĉu vi fumadas? (Kiom da tempo, kiom da tago) Ĉu vi trinkas alkoholon? (Frekventeco kaj kvanto) Kiel estas via dormo? \nDieton kaj Ekzerco: Ĉiutagaj dietaj preferoj kaj ekzercaj kutimoj. \nProfesia kaj Ĉirkaŭaĵo: Kion vi faras por laboro? Ĉu vi havis ian specialan medion ekspozicio ĵus (kiel kemioj, polvo, domestikaj bestoj, vojaĝhistorio)? \nIna Pacientoj: Menstrua historio (ciklo, kvanto, lasta menstruo), geedziĝo kaj naskiĝhistorio. \nAliaj.',
 placeholderVisits: 'Antaŭ ĉi tiu vizito, ĉu vi vizitis ie ajn? Kiujn ekzamenojn vi faris? \nĈu vi havis operaciojn? Kiujn operaciojn vi havis? \nĈu vi jam prenis medikamentojn? Kiujn medikamentojn, kaj kiel efika estis ili? \nAliaj.',
 placeholderQuestions: 'Kio povus esti la problemo? Ĉu ĝi estas serioza? \nKiujn ekzamenojn oni bezonas por klarigi? Pro kio oni bezonas tiujn ekzamenojn? \nKiujn kuracajn metodojn oni havas nuntempe? Kiaj estas la avantagaj kaj malavantagaj de ĉiu? \nAl kio mi devas atenti en vivmaniero kaj dieto?',
 overallAssessment: 'I. Ĝenerala Takso kaj Ĉefaj Konkludoj',
 detailedInterpretation: 'II. Detala Interpreto, Ĉefaj Malnormaloj kaj Klinika Signifo',
 comprehensiveAnalysis: 'III. Kompleta Analizo kaj Rekomendoj',
 analysis: '(1) Kompleta Analizo',
 recommendations: '(2) Detalaj Rekomendoj',
 basicKnowledge: 'IV. TIPS: Baziĝa Scio Rilata al Ĉefa Plendo',
 differenceAmongAIs: 'Analizo de Diferencoj Inter Pluraj AI-Diagnostikoj',
 disclaimer: 'Malakcepto de Respondeco',
 disclaimerText: 'Ĉi tiu diagnostika raporto estis donita de DR SUN YATSEN. La rezultoj estas nur por referenco, kaj neniu jura risko aŭ respondeco estas supozita.',
 errorNoChiefComplaint: 'Bonvolu plenigi la ĉefan plendon',
 errorNoAI: 'Bonvolu elekti almenaŭ unu AI-modelon',
 errorNoAPIKey: 'Bonvolu enigi la API-ŝlosilon por la elektita AI-modelo',
 errorInvalidAPIKey: 'Nevalida API-ŝlosilo aŭ reta eraro. Bonvolu kontroli kaj reprov.',
 errorMissingRequired: 'Bonvolu plenigi ĉiujn bezonatajn kampojn (Aĝo, Pezo, Alto, Sangopremo)',
 successSubmit: 'Diagnostika raporto sukcese generita!'

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reportTitle: 'DR SUN YATSEN Medicinaj Diagnostikaj Raportoj',
singleAIReport: 'Unuopa AI-Diagnostika Raporto',
multipleAIReport: 'Pluraj AI-Integraj Diagnostikaj Raportoj',
aiDiagnosis: 'AI-Diagnostiko',
similarities: 'Similaĵoj',
differences: 'Malsamaĵoj',
agreement: 'Akordo',
conflict: 'Konfliktoj',
patientInfo: 'Informoj de Paciento',
gender: 'Sekso',
age: 'Aĝo',
weight: 'Pezo',
height: 'Alto',
bmi: 'BMI',
bloodPressure: 'Sangopremo',
chiefComplaint: 'Ĉefa Plendo',
medicalReports: 'Analizo de Medicinaj Raportoj',
fileContent: 'Raporta Resumo',
generatedTime: 'Generita Tempo',
fileAnalysis: 'Dosiera Analizo'
},

```

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la: {

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  languageLabel: 'Lingua',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'Clinica Medica ex Intelligentia Artificiali',
  sectionI: 'I. Informationes Tuae Fundamentales',
  sectionII: 'II. Quaestio Tua Praecipua',
  sectionIII: 'III. Status Tuus Sanitatis et Historia Medica',
  sectionIV: 'IV. Vitae Tuae Ratio et Circumdatio',
  sectionV: 'V. Visitationes Medicae et Examinationes',
  sectionVI: 'VI. Quaestiones Ulteriores Quas Scire Cupias',
  sectionVII: 'VII. Probationes Laboratorii vel Relationes de Imaginatione',
  sectionVIII: 'VIII. Modula Intelligentiae Artificialis Elige',
  labelGender: 'Sexus',
  optMale: 'Masculus',
  optFemale: 'Femina',
  labelAge: 'Aetas',
  labelWeight: 'Pondus (kg)',
  labelHeight: 'Altitudo (cm)',
  labelBpSystolic: 'Pressio Sanguinis Systolica (mmHg)',
  labelBpDiastolic: 'Pressio Sanguinis Diastolica (mmHg)',
  labelRestingHr: 'Cordis Pulsus Quiescens (bpm)',
  labelDeepseekKey: 'Clavis API DeepSeek',
  labelGptKey: 'Clavis API OpenAI',
  labelGeminiKey: 'Clavis API Gemini',
  infoChiefComplaint: 'Haec est quaestio maxima; quanto clarius describitur, tanto melius.',
  infoHealth: 'Ne celent statum tuum sanitatis et historiam medicam (praesertim historiam chirurgicam et morborum infectiosorum), nam haec sunt crucialia pro diagnostica.',
  infoLifestyle: 'Hi sunt triggers vel factores influentes multarum morborum. Ne celent tuum personalem vivendi modum et circumdatum; haec sunt crucialia pro diagnostica.',
  infoExaminations: 'Ne celent tuas visitationes medicas et examinationes; haec sunt crucialia pro diagnostica.',

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labelFiles: 'Si habes priora vel recentia relationes probationum physiologicarum et biochimicarum, relationes imaginationis, formas examinationis physicae, etc. (imagines vel fasciculi; txt, docx, pdf, jpg, png, etc.), potes eas simul onerare (plures operationes simul sustinentur)',

apiKeyInfo: 'Quomodo claves API AI acquirere:',

btnSubmit: 'Mittere',

btnReset: 'Delere',

btnDownload: 'Relationem Detrahere',

loadingText: 'Informationes tuas medicas tractantur...',

placeholderChief: 'Ubi molestiam sentis? Quod locum specificum? Qualis est natura molestiae? Estne dolor (acutus, distentus, obtusus?), pruritus, torpor, dolor, combustio, vertigo? Quando coepit? Quod diem specificum, fuitne repentinum vel gradatim? Quam diu duravit? Estne continuus vel intermittens? Estne aliquod schema? Exempli gratia, quando gravatur (dies/noctes, post cibum/ieiunus, post actionem/requies), quando lenitur? Quam gravis est? Si in scala 1-10 (10 gravissimum) gradaris, quam gradum dabis? Afficitne somnum, laborem et vitam quotidianam? Quae alia symptomata adsunt? Exempli gratia, febris, tussis, nausea, vomitus, diarrhoea, sudor, palpitatio cordis, etc.? Alia problemata quae explanationem requirunt.',

placeholderHealth: 'Antecedens Morborum: Quas morbos graves habuisti in praeterito? (sicut hypertensio, diabetes, morbi cordis, hepatitis, tuberculosis, historia chirurgica, trauma historia, etc.)? Historia Medicamentorum: Quae medicamenta nunc sumis (inclusis medicamentis praescriptis, medicamentis sine praescriptione, supplementis, medicina Sinica)? Allergicus esne cuius medicamentis vel cibis? Historia Familiaris: Num parentes tui recti (parentes, fratres sorores) morbos graves vel morbos genetica habent? Alia.',

placeholderLifestyle: 'Vivendi Consuetudines: Fumitasne? (Quam diu, quantum per diem) Bibisne alcohollem? (Frequentia et quantitas) Quomodo dormis? Dieta et Exercitatio: Praeferentiae diurnae et consuetudines exercitationis. Professio et Circumdatio: Quod opus facis? Habuistine expositionem specialem circumdatam nuper (sicut chemica, pulvis, domestica animalia, historia peregrinationis)? Feminae Patientes: Historia menstrua (cyculum, quantitatem, ultimam menstruationem), historia matrimonii et generationis. Alia.',

placeholderVisits: 'Ante hanc visitationem, num alicubi alicubi visus es? Quas examinationes habuisti? Num operationes habuisti? Quas operationes habuisti? Num medicamenta iam sumpsisti? Quae medicamenta, et quomodo effectiva fuerunt? Alia.',

placeholderQuestions: 'Quid potest esse problema? Estne grave? Quas examinationes necesse est clarificare? Cur haec examinationes necesse est? Quae methodi curationis nunc praesto sunt? Quae sunt pros et cons cuiusque? Ad quid attendo in vivendi ratione et victu?',

overallAssessment: 'I. Aestimatio Generalis et Conclusiones Core',

detailedInterpretation: 'II. Interpretatio Detailed, Principales Abnormalitates, et Significatio Clinica',

comprehensiveAnalysis: 'III. Analysis Comprehensiva et Recommendationes',

analysis: '(1) Analysis Comprehensiva',

recommendations: '(2) Recommendationes Detailed',

basicKnowledge: 'IV. TIPS: Scientia Fundamental Relata ad Quaestionem Praecipuam',

differenceAmongAIs: 'Analysis Differentiae Inter Plurima AI Diagnostica',

disclaimer: 'Disclamatio',

disclaimerText: 'Haec relation diagnostica a DR SUN YATSEN data est. Resultatus tantum pro reference sunt, et nullum iuris periculum vel responsabilitas assumitur.',

errorNoChiefComplaint: 'Quaestionem tuam praecipuam imple, quaeso',

errorNoAI: 'Modulum Intelligentiae Artificialis saltem unum elige, quaeso',

errorNoAPIKey: 'Clavem API pro modulo electo Intelligentiae Artificialis immitte, quaeso',

errorInvalidAPIKey: 'Clavis API non valida vel error retis. Quaeso, verifica et iterum tenta.',

errorMissingRequired: 'Quaeso, omnia camporum requisita imple (Aetas, Pondus, Altitudo, Pressio Sanguinis)',

successSubmit: 'Relatio diagnostica cum successu generata est',

reportTitle: 'DR SUN YATSEN Relatio Medica Diagnostica',

singleAIReport: 'Relatio Diagnostica AI Unica',

multipleAIReport: 'Relatio Diagnostica Integra Plurima AI',

aiDiagnosis: 'Diagnostica AI',

similarities: 'Similitudines',

differences: 'Differentiae',

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agreement: 'Consensio',
conflict: 'Conflictus',
patientInfo: 'Informationes Patientis',
gender: 'Sexus',
age: 'Aetas',
weight: 'Pondus',
height: 'Altitudo',
bmi: 'BMI',
bloodPressure: 'Pressio Sanguinis',
chiefComplaint: 'Quaestio Praecipua',
medicalReports: 'Analysis Relationum Medicarum',
fileContent: 'Summarium Relationis',
generatedTime: 'Tempus Generatum',
fileAnalysis: 'Analysis Fasciculi'
},

```

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ja: {
  languageLabel: '言語',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'AI ベースの医療クリニック',
  sectionI: 'I. あなたの基本情報',
  sectionII: 'II. あなたの主訴',
  sectionIII: 'III. あなたの健康状態と既往歴',
  sectionIV: 'IV. 個人のライフスタイルと環境',
  sectionV: 'V. 医療訪問と検査',
  sectionVI: 'VI. さらに知りたいことについての質問',
  sectionVII: 'VII. 臨床検査または画像レポート',
  sectionVIII: 'VIII. AI モデルを選択',
  labelGender: '性別',
  optMale: '男性',
  optFemale: '女性',
  labelAge: '年齢',
  labelWeight: '体重 (kg)',
  labelHeight: '身長 (cm)',
  labelBpSystolic: '収縮期血圧 (mmHg)',
  labelBpDiastolic: '拡張期血圧 (mmHg)',
  labelRestingHr: '安静時心拍数 (bpm)',
  labelDeepseekKey: 'DeepSeek API キー',
  labelGptKey: 'OpenAI API キー',
  labelGeminiKey: 'Gemini API キー',
  btnSubmit: '提出',
  btnReset: 'クリア',
  btnDownload: 'レポートをダウンロード',
  loadingText: 'あなたの医療情報を処理中...',
  placeholderChief: 'どこに不快感がありますか？ 具体的な場所は？ \n 不快感の性質は？ 痛み（刺すような、張るような、鈍い？）, かゆみ、しびれ、その他の感覚ですか？ \n いつ始まりましたか？ 誘発因子はありますか？ \n 頻度と持続時間は？ よく起こりますか？ 毎回のどのくらい続きますか？ \n 付随する症状はありますか？ 例えば発熱、吐き気、めまいなど。',
  placeholderHealth: '慢性疾患はありますか？ 例えば高血圧、糖尿病、心臓病など。 \n 手術や入院の経験はありますか？ \n 現在服用している薬はありますか？ 何ですか？ \n 家族の病歴はありますか？ \n アレルギーはありますか（薬、食べ物など）？',
  placeholderLifestyle: '喫煙しますか？ 1日何本ですか？ \n 飲酒しますか？ どのくらいの頻度ですか？ \n 睡眠習慣は？ 睡

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眠の質は? \n 食事はどうですか? 特別な好みはありますか? \n どのくらい運動しますか? 週に何回ですか? ',
placeholderVisits: '原因は何だと思いますか? \n どの点が最も心配ですか? \n どのくらい深刻だと思いますか? \n 明確にするためにどんな検査が必要ですか? なぜこれらの検査が必要ですか? \n 現在利用可能な治療法は何ですか? 各方法の利点と欠点は何ですか? \n ライフスタイルと食事で何に注意すべきですか? ',
placeholderQuestions: '他に言及したい症状や情報はありますか? \n 他に聞きたい質問はありますか? ',
disclaimer: '免責事項',
errorNoChiefComplaint: '主訴情報を入力してください',
errorNoAI: '少なくとも 1 つの AI モデルを選択してください',
errorNoAPIKey: '選択した AI モデルの API キーを入力してください',
errorMissingRequired: 'すべての必須フィールドを入力してください',
successSubmit: '診断報告書が正常に生成されました!',
reportTitle: 'DR SUN YATSEN 医療診断報告書',
aiDiagnosis: 'AI 診断'
},
pt: {
languageLabel: 'Idioma',
mainTitle: 'DR SUN YATSEN',
mainSubtitle: 'Uma Clínica Médica Baseada em IA',
sectionI: 'I. Suas Informações Básicas',
sectionII: 'II. Sua Queixa Principal',
sectionIII: 'III. Seu Estado de Saúde e Histórico Médico',
sectionIV: 'IV. Estilo de Vida Pessoal e Ambiente',
sectionV: 'V. Consultas e Exames Médicos',
sectionVI: 'VI. Perguntas Adicionais que Gostaria de Saber',
sectionVII: 'VII. Testes de Laboratório ou Relatórios de Imagem',
sectionVIII: 'VIII. Selecione Modelos de IA',
labelGender: 'Sexo',
optMale: 'Masculino',
optFemale: 'Feminino',
labelAge: 'Idade',
labelWeight: 'Peso (kg)',
labelHeight: 'Altura (cm)',
labelBpSystolic: 'PA Sistólica (mmHg)',
labelBpDiastolic: 'PA Diastólica (mmHg)',
labelRestingHr: 'Frequência cardíaca em repouso (bpm)',
labelDeepseekKey: 'Chave API DeepSeek',
labelGptKey: 'Chave API OpenAI',
labelGeminiKey: 'Chave API Gemini',
btnSubmit: 'Enviar',
btnReset: 'Limpar',
btnDownload: 'Baixar Relatório',
loadingText: 'Processando suas informações médicas...!',
placeholderChief: 'Onde você sente o desconforto? Qual local específico?\nQual é a natureza do desconforto? É dor (aguda, em pressão, surda?), coceira, dormência ou outras sensações?\nQuando começou? Existem fatores desencadeantes?\nQual é a frequência e duração? Ocorre frequentemente? Quanto tempo dura cada vez?\nExistem sintomas acompanhantes? Por exemplo febre, náusea, tontura etc.',
placeholderHealth: 'Você tem doenças crônicas? Por exemplo hipertensão, diabetes, doenças cardíacas etc.\nVocê teve cirurgias ou hospitalizações?\nVocê está tomando algum medicamento atualmente? Quais?\nExiste histórico familiar de doenças?\nVocê tem alergias (a medicamentos, alimentos etc.)?',
placeholderLifestyle: 'Você fuma? Quantos por dia?\nVocê bebe álcool? Com que frequência?\nQuais são seus hábitos de sono? Qualidade do sono?\nComo é sua dieta? Existem preferências especiais?\nQuanto você se exercita? Quantas vezes por semana?',
placeholderVisits: 'O que você acha que pode ser a causa?\nQuais aspectos mais te preocupam?\nQuão sério você acha que

é? Quais exames são necessários para esclarecer? Por que esses exames são necessários? Quais métodos de tratamento estão disponíveis atualmente? Quais são os prós e contras de cada método? O que devo prestar atenção no estilo de vida e na dieta?',
 placeholderQuestions: 'Existem outros sintomas ou informações que você gostaria de mencionar? Existem outras perguntas que você gostaria de fazer?'

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    disclaimer: 'Isenção de Responsabilidade',
    errorNoChiefComplaint: 'Preencha as informações sobre a queixa principal',
    errorNoAI: 'Selecione pelo menos um modelo de IA',
    errorNoAPIKey: 'Insira a chave API para o modelo de IA selecionado',
    errorMissingRequired: 'Preencha todos os campos obrigatórios',
    successSubmit: 'Relatório de diagnóstico gerado com sucesso!',
    reportTitle: 'Relatório de Diagnóstico Médico DR SUN YATSEN',
    aiDiagnosis: 'Diagnóstico IA'
  },

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// Swahili (斯瓦希里语)

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sw: {
  languageLabel: 'Lugha',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'Kliniki ya Matibabu ya AI',
  sectionI: 'I. Taarifa Yako ya Msingi',
  sectionII: 'II. Malalamiko Yako Makuu',
  sectionIII: 'III. Hali Yako ya Afya na Historia ya Matibabu',
  sectionIV: 'IV. Mtindo wa Maisha na Mazingira',
  sectionV: 'V. Ziara za Matibabu na Uchunguzi',
  sectionVI: 'VI. Maswali Zaidi Unayotaka Kujua',
  sectionVII: 'VII. Ripoti za Maabara au Picha za Matibabu',
  sectionVIII: 'VIII. Chagua Modeli ya AI',
  labelGender: 'Jinsia',
  optMale: 'Mwanaume',
  optFemale: 'Mwanamke',
  labelAge: 'Umri',
  labelWeight: 'Uzito (kg)',
  labelHeight: 'Urefu (cm)',
  labelBpSystolic: 'Shinikizo la Damu Systolic (mmHg)',
  labelBpDiastolic: 'Shinikizo la Damu Diastolic (mmHg)',
  labelRestingHr: 'Mapigo ya moyo ya mapumziko (bpm)',
  labelDeepseekKey: 'Ufunguo wa DeepSeek API',
  labelGptKey: 'Ufunguo wa OpenAI API',
  labelGeminiKey: 'Ufunguo wa Gemini API',
  infoChiefComplaint: 'Hili ndilo suala muhimu zaidi; eleza wazi iwezekanavyo.',
  infoHealth: 'Tafadhali usifiche hali yako ya afya na historia (hasa upasuaji na magonjwa ya kuambukiza), hii ni muhimu sana kwa utambuzi',
  infoLifestyle: 'Hizi ni vichocheo au vipengele vya magonjwa mengi. Tafadhali usifiche mtindo wako wa maisha na mazingira; hii ni muhimu sana kwa utambuzi.',
  infoExaminations: 'Tafadhali usifiche ziara zako za matibabu na uchunguzi; hii ni muhimu sana kwa utambuzi.',
  labelFiles: 'Ikiwa una ripoti za maabara au picha za matibabu za zamani au za hivi karibuni (picha au faili; txt, docx, pdf, jpg, png, nk.), unaweza kupakia pamoja (unaweza kupakia nyingi kwa wakati mmoja)',
  apiKeyInfo: 'Jinsi ya kupata funguo za AI API:',
  btnSubmit: 'Wasilisha',
  btnReset: 'Futa',
  btnDownload: 'Pakua Ripoti',
  loadingText: 'Inachakata taarifa yako ya kimatibabu...'
}

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placeholderChief: 'Unasikia vibaya wapi? Ni sehemu gani hasa?\nUsisikio huu ni wa aina gani? Ni maumivu (ya kuchoma, ya kuvimba, ya kificho?), kuwashwa, ganzi, uchungu, maumivu tumboni, kizunguzungu?\nMlianza lini? Siku gani hasa, ilitokea ghafla au polepole?\nImechukua muda gani? Ni endelevu au mara kwa mara?\nJe, kuna utaratibu wowote? Kwa mfano, inazidi lini (mchana/usiku, baada ya chakula/tumbo tupu, baada ya shughuli/wakati wa kupumzika), inapungua lini?\nNi kali kiasi gani? Ikiwa ungepima 1-10 (10 ni mbaya zaidi), ungepea alama ngapi? Je, inaathiri usingizi, kazi, na maisha ya kila siku?\nJe, kuna dalili nyingine zinazofuatana? Kama mfano, homa, kikohozi, kichefuchefu, kutapika, kuhara, jasho, moyo kuwa mbio, nk.\nMasuala mengine yanayohitaji kuelezwa.'

placeholderHealth: 'Historia ya magonjwa ya awali: Umepata magonjwa gani makubwa hapo awali? (kama vile shinikizo la juu la damu, kisukari, magonjwa ya moyo, hepatitis, kifua kikuu, historia ya upasuaji, historia ya majeraha, nk.)\nHistoria ya dawa: Unatumia dawa gani sasa hivi (pamoja na dawa za daktari, dawa zisizo za daktari, virutubisho, dawa za kienyeji)? Una mzio wa dawa au chakula gani?\nHistoria ya familia: Je, jamaa wa karibu (wazazi, ndugu) wana magonjwa makubwa au magonjwa ya urithi?\nMengineyo.'

placeholderLifestyle: 'Tabia za maisha: Je, unavuta sigara? (Kwa muda gani, ngapi kwa siku) Je, unakunywa pombe? (Mara ngapi na kiasi gani) Usingizi ni vipi?\nMlo na mazoezi: Mapendekezo ya chakula cha kila siku, tabia za mazoezi.\nKazi na mazingira: Unafanya kazi gani? Je, umekuwa na mazingira maalum hivi karibuni (kama vile kemikali, vumbi, wanyama wa nyumbani, historia ya kusafiri)?\nWagonjwa wa kike: Historia ya hedhi (mzunguko, kiasi, hedhi ya mwisho), historia ya ndoa na uzazi.\nMengineyo.'

placeholderVisits: 'Kabla ya ziara hii, je, umeona mahali pengine? Umefanya vipimo gani?\nJe, umefanyiwa upasuaji? Umefanyiwa upasuaji gani?\nJe, tayari umetumia dawa? Umetumia dawa gani, matokeo yalikuwaje?\nMengineyo.'

placeholderQuestions: 'Huenda nikawa na tatizo gani? Je, ni kali?\nNi vipimo gani ninahitaji kufanya ili kuthibitisha? Kwa nini ninahitaji kufanya vipimo hivi?\nSasa hivi kuna njia gani za matibabu? Faida na hasara za kila moja ni zipi?\nNi nini ninahitaji kuzingatia katika maisha na mlo?'

overallAssessment: 'I. Tathmini ya Jumla na Hitimisho Kuu',

detailedInterpretation: 'II. Maelezo ya Kina ya Matokeo, Usio wa Kawaida Mkuu na Umuhimu wa Kliniki',

comprehensiveAnalysis: 'III. Uchambuzi wa Kina na Mapendekezo',

analysis: '(1) Uchambuzi wa Kina',

recommendations: '(2) Mapendekezo ya Kina',

basicKnowledge: 'IV. VIDOKEZO: Maarifa ya Msingi Yanayohusiana na Hali ya Ugonjwa Uliolalamikiwa',

differenceAmongAIs: 'Uchambuzi wa Tofauti kati ya Utambuzi wa AI Nyingi',

disclaimer: 'Kanusho la Dhima',

disclaimerText: 'Ripoti hii ya utambuzi imetolewa na DR SUN YATSEN, matokeo ni kwa marejeo tu, haichukui hatari au uwajibikaji wowote wa kisheria.'

errorNoChiefComplaint: 'Tafadhali jaza taarifa za malalamiko makuu',

errorNoAI: 'Tafadhali chagua angalau modeli moja ya AI',

errorNoAPIKey: 'Tafadhali ingiza funguo za API za modeli ya AI uliyochagua',

errorInvalidAPIKey: 'Funguo za API si sahihi au kuna hitilafu ya mtandao, tafadhali kagua na ujaribu tena',

errorMissingRequired: 'Tafadhali jaza sehemu zote zinazohitajika (umri, uzito, urefu, shinikizo la damu)',

successSubmit: 'Ripoti ya utambuzi imetengenezwa kwa mafanikio!',

reportTitle: 'Ripoti ya Utambuzi wa Matibabu wa DR SUN YATSEN',

singleAIReport: 'Ripoti ya Utambuzi wa AI Moja',

multipleAIReport: 'Ripoti ya Jumla ya Utambuzi wa AI Nyingi',

aiDiagnosis: 'Utambuzi wa AI',

similarities: 'Vifanano',

differences: 'Tofauti',

agreement: 'Makubaliano',

conflict: 'Migogoro',

patientInfo: 'Taarifa za Mgonjwa',

gender: 'Jinsia',

age: 'Umri',

weight: 'Uzito',

height: 'Urefu',

bmi: 'BMI',

```

bloodPressure: 'Shinikizo la Damu',
chiefComplaint: 'Malalamiko Makuu',
medicalReports: 'Uchambuzi wa Ripoti za Matibabu',
fileContent: 'Muhtasari wa Yaliyomo kwenye Ripoti',
generatedTime: 'Wakati wa Kutengenezwa',
fileAnalysis: 'Uchambuzi wa Faili'
},

// Italian (意大利语)
it: {
  languageLabel: 'Lingua',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'Clinica Medica basata su AI',
  sectionI: 'I. Le Sue Informazioni di Base',
  sectionII: 'II. Il Suo Disturbo Principale',
  sectionIII: 'III. Il Suo Stato di Salute e Anamnesi',
  sectionIV: 'IV. Stile di Vita Personale e Ambiente',
  sectionV: 'V. Visite Mediche ed Esami',
  sectionVI: 'VI. Ulteriori Domande che Desidera Conoscere',
  sectionVII: 'VII. Referti di Laboratorio o Imaging',
  sectionVIII: 'VIII. Seleziona Modello AI',
  labelGender: 'Sesso',
  optMale: 'Maschio',
  optFemale: 'Femmina',
  labelAge: 'Età',
  labelWeight: 'Peso (kg)',
  labelHeight: 'Altezza (cm)',
  labelBpSystolic: 'Pressione Sistolica (mmHg)',
  labelBpDiastolic: 'Pressione Diastolica (mmHg)',
  labelRestingHr: 'Frequenza cardiaca a riposo (bpm)',
  labelDeepseekKey: 'Chiave API DeepSeek',
  labelGptKey: 'Chiave API OpenAI',
  labelGeminiKey: 'Chiave API Gemini',
  infoChiefComplaint: 'Questa è la questione più importante; descriva il più chiaramente possibile.',
  infoHealth: 'Non nasconda il suo stato di salute e anamnesi (specialmente chirurgia e malattie infettive), questo è fondamentale per la diagnosi',
  infoLifestyle: 'Questi sono fattori scatenanti o influenzanti di molte malattie. Non nasconda il suo stile di vita personale e l'ambiente; questo è fondamentale per la diagnosi.',
  infoExaminations: 'Non nasconda le sue visite mediche ed esami; questo è fondamentale per la diagnosi.',
  labelFiles: 'Se ha referti di laboratorio o imaging precedenti o recenti (immagini o file; formati txt, docx, pdf, jpg, png, ecc.), può caricarli insieme (può caricare più file contemporaneamente)',
  apiKeyInfo: 'Come ottenere le chiavi API AI:',
  btnSubmit: 'Invia',
  btnReset: 'Cancella',
  btnDownload: 'Scarica Referto',
  loadingText: 'Elaborazione delle sue informazioni mediche...',
  placeholderChief: 'Dove si sente male? Quale parte specifica?\nChe tipo di disagio è? È dolore (acuto, sordo, pulsante?), prurito, intorpidimento, acidità, bruciore di stomaco, vertigini?\nQuando è iniziato? Quale giorno specifico, è stato improvviso o graduale?\nDa quanto tempo dura? È continuo o intermittente?\nC'è qualche schema? Ad esempio, quando peggiora (giorno/notte, dopo i pasti/a stomaco vuoto, dopo attività/a riposo), quando migliora?\nQuanto è grave? Se dovesse valutare da 1 a 10 (10 è il più grave), che punteggio darebbe? Influisce sul sonno, sul lavoro e sulla vita quotidiana?\nCi sono altri sintomi associati? Ad esempio, febbre, tosse, nausea, vomito, diarrea, sudorazione, palpitazioni, ecc.?\nAltri problemi che necessitano di

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essere menzionati.',

placeholderHealth: 'Anamnesi patologica remota: Quali malattie importanti ha avuto in passato? (come ipertensione, diabete, malattie cardiache, epatite, tubercolosi, interventi chirurgici, traumi, ecc.)\nStoria farmacologica: Quali farmaci sta assumendo attualmente (inclusi farmaci su prescrizione, farmaci da banco, integratori, medicina tradizionale)? A quali farmaci o alimenti è allergico?\nStoria familiare: I parenti diretti (genitori, fratelli) hanno malattie importanti o ereditarie?\nAltro.',

placeholderLifestyle: 'Abitudini di vita: Fuma? (Da quanto tempo, quante al giorno) Beve alcol? (Frequenza e quantità) Come dorme?\nDieta ed esercizio: Preferenze alimentari quotidiane, abitudini di esercizio.\nProfessione e ambiente: Che lavoro fa? Ha avuto recentemente esposizioni ambientali particolari (come prodotti chimici, polveri, animali domestici, viaggi)?\nPazienti di sesso femminile: Storia mestruale (ciclo, quantità, ultima mestruazione), storia matrimoniale e riproduttiva.\nAltro.',

placeholderVisits: 'Prima di questa visita, è stato visitato altrove? Quali esami ha fatto?\nHa subito interventi chirurgici? Quali interventi chirurgici?\nHa già assunto farmaci? Quali farmaci ha assunto, con quali risultati?\nAltro.',

placeholderQuestions: 'Quale potrebbe essere il mio problema? È grave?\nQuali esami sono necessari per chiarire? Perché sono necessari questi esami?\nQuali opzioni terapeutiche sono attualmente disponibili? Quali sono i pro e i contro di ciascuna?\nCosa devo considerare nello stile di vita e nella dieta?',

overallAssessment: 'I. Valutazione Complessiva e Conclusione Principale',

detailedInterpretation: 'II. Interpretazione Dettagliata dei Risultati, Principali Anomalie e Significato Clinico',

comprehensiveAnalysis: 'III. Analisi Completa e Raccomandazioni',

analysis: '(1) Analisi Completa',

recommendations: '(2) Raccomandazioni Dettagliate',

basicKnowledge: 'IV. SUGGERIMENTI: Conoscenze di Base Relative alla Condizione Lamentata',

differenceAmongAIs: 'Analisi delle Differenze tra Diagnosi di Più AI',

disclaimer: 'Dichiarazione di Non Responsabilità',

disclaimerText: 'Questo referto diagnostico è fornito da DR SUN YATSEN, i risultati sono solo a scopo di riferimento e non si assume alcuna responsabilità legale.',

errorNoChiefComplaint: 'Si prega di compilare le informazioni sul disturbo principale',

errorNoAI: 'Si prega di selezionare almeno un modello AI',

errorNoAPIKey: 'Si prega di inserire la chiave API per il modello AI selezionato',

errorInvalidAPIKey: 'Chiave API non valida o errore di rete, si prega di verificare e riprovare',

errorMissingRequired: 'Si prega di compilare tutti i campi obbligatori (età, peso, altezza, pressione sanguigna)',

successSubmit: 'Referto diagnostico generato con successo!',

reportTitle: 'Referto Diagnostico Medico DR SUN YATSEN',

singleAIReport: 'Referto Diagnostico Singolo AI',

multipleAIReport: 'Referto Completo Multi-AI',

aiDiagnosis: 'Diagnosi AI',

similarities: 'Somiglianze',

differences: 'Differenze',

agreement: 'Accordo',

conflict: 'Conflitto',

patientInfo: 'Informazioni Paziente',

gender: 'Sesso',

age: 'Età',

weight: 'Peso',

height: 'Altezza',

bmi: 'BMI',

bloodPressure: 'Pressione Sanguigna',

chiefComplaint: 'Disturbo Principale',

medicalReports: 'Analisi Referti Medici',

fileContent: 'Riepilogo Contenuto Referto',

generatedTime: 'Tempo di Generazione',

fileAnalysis: 'Analisi File'

},

// Dutch (荷兰语)

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nl: {
  languageLabel: 'Taal',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'AI-gebaseerde medische kliniek',
  sectionI: 'I. Uw basisinformatie',
  sectionII: 'II. Uw hoofdklacht',
  sectionIII: 'III. Uw gezondheidstoestand en medische geschiedenis',
  sectionIV: 'IV. Persoonlijke levensstijl en omgeving',
  sectionV: 'V. Medische consulten en onderzoeken',
  sectionVI: 'VI. Verdere vragen',
  sectionVII: 'VII. Lab- of beeldvormingsrapporten',
  sectionVIII: 'VIII. Kies AI-modellen',
  labelGender: 'Geslacht',
  optMale: 'Man',
  optFemale: 'Vrouw',
  labelAge: 'Leeftijd',
  labelWeight: 'Gewicht (kg)',
  labelHeight: 'Lengte (cm)',
  labelBpSystolic: 'Systolische bloeddruk (mmHg)',
  labelBpDiastolic: 'Diastolische bloeddruk (mmHg)',
  labelRestingHr: 'Rusthartslag (bpm)',
  labelDeepseekKey: 'DeepSeek API-sleutel',
  labelGptKey: 'OpenAI API-sleutel',
  labelGeminiKey: 'Gemini API-sleutel',
  infoChiefComplaint: 'Dit is de belangrijkste kwestie; hoe duidelijker de beschrijving, hoe beter.',
  infoHealth: 'Verberg uw gezondheidstoestand en medische geschiedenis niet (vooral operatiegeschiedenis en infectieziekten), dit is cruciaal voor diagnose',
  infoLifestyle: 'Dit zijn triggers of beïnvloedende factoren voor veel ziekten. Verberg uw persoonlijke levensstijl en omgeving niet; dit is cruciaal voor diagnose.',
  infoExaminations: 'Verberg uw medische consulten en onderzoeken niet; dit is cruciaal voor diagnose.',
  labelFiles: 'Als u eerdere of recente fysiologische en biochemische testrapporten, beeldvormingsrapporten, onderzoeksformulieren enz. heeft (afbeeldingen of bestanden; txt, docx, pdf, jpg, png-formaten), kunt u deze uploaden (meerdere bestanden tegelijk mogelijk)',
  apiKeyInfo: 'Hoe AI API-sleutels te verkrijgen:',
  btnSubmit: 'Indienen',
  btnReset: 'Wissen',
  btnDownload: 'Rapport downloaden',
  loadingText: 'Uw medische informatie wordt verwerkt...',
  placeholderChief: 'Waar voelt u zich onwel? Welk specifiek gebied?\nWat voor soort ongemak is het? Is het pijn (stekend, drukkend, dof?), jeuk, gevoelloosheid, pijn, brandend maagzuur, duizeligheid?\nWanneer begon het? Op welke specifieke dag, was het plotseling of geleidelijk?\nHoe lang duurt het al? Is het constant of komt het in golven?\nZijn er patronen? Bijvoorbeeld wanneer wordt het erger (overdag/\s nachts, na maaltijden/op lege maag, na activiteit/tijdens rust), wanneer vermindert het?\nHoe ernstig is het? Als u het beoordeelt op een schaal van 1-10 (10 is het ernstigst), welk cijfer geeft u het? Beïnvloedt het uw slaap, werk en dagelijks leven?\nZijn er andere bijkomende symptomen? Zoals koorts, hoesten, misselijkheid, braken, diarree, zweten, hartkloppingen enz.?\nAndere kwesties die vermelding behoeven.',
  placeholderHealth: 'Eerdere medische geschiedenis: Welke ernstige ziekten heeft u gehad? (zoals hypertensie, diabetes, hartziekte, hepatitis, tuberculose, operatiegeschiedenis, trauma enz.)\nMedicatiegeschiedenis: Welke medicijnen neemt u momenteel (inclusief voorgeschreven medicijnen, vrij verkrijgbare medicijnen, supplementen, Chinese kruiden)? Allergisch voor medicijnen of voedsel?\nFamiliegeschiedenis: Hebben directe familieleden (ouders, broers en zussen) ernstige ziekten of erfelijke aandoeningen?\nAndere.',

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placeholderLifestyle: 'Levensgewoonten: Rookt u? (Hoe lang, hoeveel per dag) Drinkt u alcohol? (Frequentie en hoeveelheid) Hoe is uw slaap?\nDieet en beweging: Dagelijkse voedingsvoorkeuren, sportgewoonten.\nBeroep en omgeving: Wat is uw werk? Recente bijzondere blootstelling aan omgeving (zoals chemicaliën, stof, huisdieren, reisgeschiedenis)?\nVrouwelijke patiënten: Menstruatiegeschiedenis (cyclus, hoeveelheid, laatste menstruatie), huwelijks- en vruchtbaarheidsgeschiedenis.\nAndere.'

placeholderVisits: 'Voorafgaand aan dit bezoek, heeft u elders behandeling gezocht? Welke onderzoeken zijn uitgevoerd?\nHeeft u operaties ondergaan? Welke operaties?\nHeeft u al medicijnen gebruikt? Welke medicijnen, wat was het effect?\nAndere.'

placeholderQuestions: 'Wat zou mijn probleem kunnen zijn? Is het ernstig?\nWelke onderzoeken zijn nodig om te bevestigen? Waarom zijn deze onderzoeken nodig?\nWelke behandelopties zijn er momenteel? Wat zijn de voor- en nadelen van elk?\nWaar moet ik op letten in mijn dagelijks leven en dieet?'

overallAssessment: '1. Algemene beoordeling en kernconclusie',

detailedInterpretation: '2. Gedetailleerde interpretatie van resultaten, belangrijkste afwijkingen en klinische betekenis',

comprehensiveAnalysis: '3. Uitgebreide analyse en aanbevelingen',

analysis: '(1) Uitgebreide analyse',

recommendations: '(2) Gedetailleerde aanbevelingen',

basicKnowledge: '4. TIPS: Basiskennis met betrekking tot de hoofdklacht',

differenceAmongAIs: 'Verschillenanalyse tussen meerdere AI-diagnoses',

disclaimer: 'Disclaimer',

disclaimerText: 'Dit diagnostisch rapport wordt verstrekt door DR SUN YATSEN, de resultaten zijn alleen ter referentie en er wordt geen juridische verantwoordelijkheid aanvaard.'

errorNoChiefComplaint: 'Vul de hoofdklacht informatie in',

errorNoAI: 'Selecteer ten minste één AI-model',

errorNoAPIKey: 'Voer de API-sleutel in voor het geselecteerde AI-model',

errorInvalidAPIKey: 'Ongeldige API-sleutel of netwerkfout, controleer en probeer opnieuw',

errorMissingRequired: 'Vul alle verplichte velden in (leeftijd, gewicht, lengte, bloeddruk)',

successSubmit: 'Diagnostisch rapport succesvol gegenereerd!',

reportTitle: 'DR SUN YATSEN Medisch diagnostisch rapport',

singleAIReport: 'Enkel AI diagnostisch rapport',

multipleAIReport: 'Multi-AI uitgebreid diagnostisch rapport',

aiDiagnosis: 'AI-diagnose',

similarities: 'Overeenkomsten',

differences: 'Verschillen',

agreement: 'Consistentie',

conflict: 'Onenigheid',

patientInfo: 'Patiëntinformatie',

gender: 'Geslacht',

age: 'Leeftijd',

weight: 'Gewicht',

height: 'Lengte',

bmi: 'BMI',

bloodPressure: 'Bloeddruk',

chiefComplaint: 'Hoofdklacht',

medicalReports: 'Analyse medische rapporten',

fileContent: 'Samenvatting rapportinhoud',

generatedTime: 'Generatietijd',

fileAnalysis: 'Bestandsanalyse'

},

// Polish (波兰语)

pl: {

languageLabel: 'Język',

mainTitle: 'DR SUN YATSEN',
mainSubtitle: 'Klinika medyczna oparta na AI',
sectionI: 'I. Podstawowe informacje',
sectionII: 'II. Główna dolegliwość',
sectionIII: 'III. Stan zdrowia i historia choroby',
sectionIV: 'IV. Styl życia i środowisko',
sectionV: 'V. Wizyty lekarskie i badania',
sectionVI: 'VI. Dodatkowe pytania',
sectionVII: 'VII. Wyniki badań laboratoryjnych lub obrazowych',
sectionVIII: 'VIII. Wybór modeli AI',
labelGender: 'Płeć',
optMale: 'Mężczyzna',
optFemale: 'Kobieta',
labelAge: 'Wiek',
labelWeight: 'Waga (kg)',
labelHeight: 'Wzrost (cm)',
labelBpSystolic: 'Ciśnienie skurczowe (mmHg)',
labelBpDiastolic: 'Ciśnienie rozkurczowe (mmHg)',
labelRestingHr: 'Tętno spoczynkowe (ud/min)',
labelDeepseekKey: 'Klucz API DeepSeek',
labelGptKey: 'Klucz API OpenAI',
labelGeminiKey: 'Klucz API Gemini',
infoChiefComplaint: 'To najważniejsza kwestia; im dokładniejszy opis, tym lepiej.',
infoHealth: 'Nie ukrywaj swojego stanu zdrowia i historii choroby (szczególnie operacje i choroby zakaźne), jest to kluczowe dla diagnozy',
infoLifestyle: 'To czynniki wyzwalające lub wpływające na wiele chorób. Nie ukrywaj swojego stylu życia i środowiska; jest to kluczowe dla diagnozy.',
infoExaminations: 'Nie ukrywaj swoich wizyt lekarskich i badań; jest to kluczowe dla diagnozy.',
labelFiles: 'Jeśli masz wcześniejsze lub niedawne wyniki badań fizjologicznych i biochemicznych, raporty obrazowe, formularze badań itp. (zdjęcia lub pliki; formaty txt, docx, pdf, jpg, png), możesz je przesłać (można przesłać wiele plików jednocześnie)',
apiKeyInfo: 'Jak uzyskać klucze API AI:',
btnSubmit: 'Wyślij',
btnReset: 'Wyczyść',
btnDownload: 'Pobierz raport',
loadingText: 'Przetwarzanie informacji medycznych...!',
placeholderChief: 'Gdzie się źle czujesz? Jaka konkretna część? \nJaki to rodzaj dyskomfortu? Czy to ból (kłujący, rozprężający, tępy?), swędzenie, drętwienie, ból, zgaga, zawroty głowy? \nKiedy się zaczęło? Którego konkretnie dnia, czy było nagle czy stopniowe? \nJak długo trwa? Czy jest ciągle czy okresowe? \nCzy są jakieś wzorce? Na przykład kiedy się pogarsza (w dzień/w nocy, po posiłkach/na czczo, po aktywności/w spoczynku), kiedy się zmniejsza? \nJak poważne jest to? Jeśli ocenisz na skali 1-10 (10 to najgorsze), jaką ocenę dajesz? Czy wpływa na sen, pracę i codzienne życie? \nCzy są jakieś inne towarzyszące objawy? Takie jak gorączka, kaszel, nudności, wymioty, biegunka, pocenie się, kołatanie serca itp.? \nInne kwestie wymagające wyjaśnienia.',
placeholderHealth: 'Historia chorób: Jakie poważne choroby przeszedłeś? (takie jak nadciśnienie, cukrzyca, choroby serca, zapalenie wątroby, gruźlica, historia operacji, urazy itp.) \nHistoria leków: Jakie leki obecnie przyjmujesz (w tym leki na receptę, leki bez recepty, suplementy, zioła chińskie)? \nUczulenia na leki lub jedzenie? \nHistoria rodzinna: Czy bezpośredni członkowie rodziny (rodzice, rodzeństwo) mieli poważne choroby lub choroby dziedziczne? \nInne.',
placeholderLifestyle: 'Nawyki życiowe: Czy palisz? (Jak długo, ile dziennie) Czy pijesz alkohol? (Częstotliwość i ilość) Jak jest z twoim snem? \nDieta i ćwiczenia: Codzienne preferencje żywieniowe, nawyki sportowe. \nZawód i środowisko: Jaka jest twoja praca? Czy niedawno byłeś narażony na specjalne środowisko (takie jak chemikalia, pył, zwierzęta domowe, historia podróży)? \nPacjentki: Historia miesiączki (cykl, ilość, ostatnia miesiączka), historia małżeństwa i płodności. \nInne.',
placeholderVisits: 'Przed tą wizytą, czy szukałeś pomocy gdzie indziej? Jakie badania zostały wykonane? \nCzy przeszedłeś

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operacje? Jakie operacje?
n Czy już używałaś leków? Jakich leków, jaki był efekt?
n Inne.',
placeholderQuestions: 'Jaki może być mój problem? Czy jest poważny?
n Jakie badania są potrzebne do potwierdzenia?
Dlaczego te badania są potrzebne?
n Jakie są obecnie opcje leczenia? Jakie są zalety i wady każdej?
n Na co powinienem uważać w codziennym życiu i diecie?',
overallAssessment: '1. Ogólna ocena i główny wniosek',
detailedInterpretation: '2. Szczegółowa interpretacja wyników, główne nieprawidłowości i znaczenie kliniczne',
comprehensiveAnalysis: '3. Kompleksowa analiza i zalecenia',
analysis: '(1) Kompleksowa analiza',
recommendations: '(2) Szczegółowe zalecenia',
basicKnowledge: '4. WSKAZÓWKI: Podstawowa wiedza związana z główną dolegliwością',
differenceAmongAIs: 'Analiza różnic między wieloma diagnozami AI',
disclaimer: 'Zastrzeżenie',
disclaimerText: 'Ten raport diagnostyczny jest dostarczany przez DR SUN YATSEN, wyniki są tylko w celach
informacyjnych i nie ponosi się żadnej odpowiedzialności prawnej.',
errorNoChiefComplaint: 'Wypełnij informacje o głównej dolegliwości',
errorNoAI: 'Wybierz co najmniej jeden model AI',
errorNoAPIKey: 'Wprowadź klucz API dla wybranego modelu AI',
errorInvalidAPIKey: 'Nieprawidłowy klucz API lub błąd sieci, sprawdź i spróbuj ponownie',
errorMissingRequired: 'Wypełnij wszystkie wymagane pola (wiek, waga, wzrost, ciśnienie krwi)',
successSubmit: 'Raport diagnostyczny został pomyślnie wygenerowany!',
reportTitle: 'DR SUN YATSEN Raport diagnostyczny medyczny',
singleAIRReport: 'Pojedynczy raport diagnostyczny AI',
multipleAIRReport: 'Kompleksowy raport diagnostyczny wielu AI',
aiDiagnosis: 'Diagnoza AI',
similarities: 'Podobieństwa',
differences: 'Różnice',
agreement: 'Zgodność',
conflict: 'Rozbieżność',
patientInfo: 'Informacje o pacjencie',
gender: 'Płeć',
age: 'Wiek',
weight: 'Waga',
height: 'Wzrost',
bmi: 'BMI',
bloodPressure: 'Ciśnienie krwi',
chiefComplaint: 'Główna dolegliwość',
medicalReports: 'Analiza raportów medycznych',
fileContent: 'Streszczenie treści raportu',
generatedTime: 'Czas generowania',
fileAnalysis: 'Analiza pliku'
},

```

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// Ukrainian (乌克兰语)
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uk: {
  languageLabel: 'Мова',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'Медична клініка на основі AI',
  sectionI: 'I. Ваша основна інформація',
  sectionII: 'II. Ваша головна скарга',
  sectionIII: 'III. Ваш стан здоров'я та історія хвороби',
  sectionIV: 'IV. Особистий спосіб життя та оточення',
  sectionV: 'V. Медичні візити та обстеження',

```

sectionVI: 'VI. Додаткові питання',
 sectionVII: 'VII. Лабораторні або візуалізаційні звіти',
 sectionVIII: 'VIII. Вибір моделей AI',
 labelGender: 'Стать',
 optMale: 'Чоловік',
 optFemale: 'Жінка',
 labelAge: 'Вік',
 labelWeight: 'Вага (кг)',
 labelHeight: 'Зріст (см)',
 labelBpSystolic: 'Систолічний тиск (мм рт.ст.)',
 labelBpDiastolic: 'Діастолічний тиск (мм рт.ст.)',
 labelRestingHr: 'Пульс у стані спокою (уд/хв)',
 labelDeepseekKey: 'API-ключ DeepSeek',
 labelGptKey: 'API-ключ OpenAI',
 labelGeminiKey: 'API-ключ Gemini',
 infoChiefComplaint: 'Це найважливіше питання; чим чіткіший опис, тим краще.',
 infoHealth: 'Не приховуйте свій стан здоров'я та історію хвороби (особливо історію операцій та інфекційних захворювань), це критично важливо для діагностики',
 infoLifestyle: 'Це тригери або фактори впливу для багатьох захворювань. Не приховуйте свій особистий спосіб життя та оточення; це критично важливо для діагностики.',
 infoExaminations: 'Не приховуйте свої медичні візити та обстеження; це критично важливо для діагностики.',
 labelFiles: 'Якщо у вас є попередні або останні звіти фізіологічних та біохімічних тестів, звіти візуалізації, форми обстеження тощо (зображення або файли; формати txt, docx, pdf, jpg, png), ви можете завантажити їх (можна завантажити кілька файлів одночасно)',
 apiKeyInfo: 'Як отримати API-ключі AI',
 btnSubmit: 'Надіслати',
 btnReset: 'Очистити',
 btnDownload: 'Завантажити звіт',
 loadingText: 'Обробка вашої медичної інформації...',
 placeholderChief: 'Де вам погано? Яка конкретна область? \nЯкий це дискомфорт? Це біль (колючий, розпираючий, тупий?), свербіж, оніміння, біль, печія, запаморочення? \nКоли почалося? Якого конкретно дня, це було раптово чи поступово? \nСкільки часу це триває? Це постійно чи періодично? \nЧи є якісь закономірності? Наприклад, коли погіршується (вдень/вночі, після їжі/натще, після активності/після відпочинку), коли зменшується? \nНаскільки серйозно? Якщо оцінити по шкалі 1-10 (10 найгірше), яку оцінку ви ставите? Чи впливає на сон, роботу та повсякденне життя? \nЧи є інші супутні симптоми? Такі як лихоманка, кашель, нудота, блювання, діарея, потовиділення, серцебиття тощо? \nІнші питання, що потребують пояснення.',
 placeholderHealth: 'Історія хвороб: Які серйозні захворювання ви перенесли? (такі як гіпертонія, діабет, серцеві захворювання, гепатит, туберкульоз, історія операцій, травми тощо) \nІсторія ліків: Які ліки ви зараз приймаєте (включаючи рецептурні ліки, безрецептурні ліки, добавки, китайські трави)? Алергія на ліки або їжу? \nСімейна історія: Чи мають прямі родичі (батьки, брати та сестри) серйозні захворювання або спадкові захворювання? \nІнше.',
 placeholderLifestyle: 'Звички життя: Чи палите? (Як довго, скільки на день) Чи п'єте алкоголь? (Частота та кількість) Як ваш сон? \nДієта та вправи: Щоденні харчові вподобання, спортивні звички. \nПрофесія та оточення: Яка ваша робота? Чи було нещодавно особливе середовище впливу (такі як хімікати, пил, домашні тварини, історія подорожей)? \nЖінки-пацієнти: Історія менструації (цикл, кількість, остання менструація), історія шлюбу та народжуваності. \nІнше.',
 placeholderVisits: 'Перед цим візитом, чи зверталися ви за допомогою в інше місце? Які обстеження були проведені? \nЧи проходили ви операції? Які операції? \nЧи вже використовували ліки? Які ліки, який був ефект? \nІнше.',
 placeholderQuestions: 'Яка може бути моя проблема? Чи серйозна вона? \nЯкі обстеження потрібні для підтвердження?'

р д ж е н н я ? Ч о м у ц і о б с т е ж е н н я п o т р і б н і ? Я к і з а р а з в а р і а н т и л і к у в а н н я ? Я к і п е р е в а г и т а н е д о л і к и к o ж н o г o ? Н а щ о с л і д з в е р н у т и у в а г у в п o в с я к д е н н о м у ж и т т і т а д і с т і ? ,

overallAssessment: '1. Загальна оцінка та основний висновок',

detailedInterpretation: '2. Детальна інтерпретація результатів, основні відхилення та клінічне значення',

comprehensiveAnalysis: '3. Комплексний аналіз та рекомендації',

analysis: '(1) Комплексний аналіз',

recommendations: '(2) Детальні рекомендації',

basicKnowledge: '4. ПОРАДИ: Базові знання, пов'язані з головною скаргою',

differenceAmongAIs: 'Аналіз різниць між кількома діагнозами AI',

disclaimer: 'Відмова від відповідальності',

disclaimerText: 'Цей діагностичний звіт надається DR SUN YATSEN, результати лише для довідки і не несе жодної юридичної відповідальності.',

errorNoChiefComplaint: 'Заповніть інформацію про головну скаргу',

errorNoAI: 'Виберіть принаймні одну модель AI',

errorNoAPIKey: 'Введіть API-ключ для вибраної моделі AI',

errorInvalidAPIKey: 'Недійсний API-ключ або помилка мережі, перевірте та спробуйте знову',

errorMissingRequired: 'Заповніть всі обов'язкові поля (вік, вага, зріст, кров'яний тиск)',

successSubmit: 'Діагностичний звіт успішно створено!',

reportTitle: 'DR SUN YATSEN Медичний діагностичний звіт',

singleAIReport: 'Одиничний діагностичний звіт AI',

multipleAIReport: 'Комплексний діагностичний звіт кількох AI',

aiDiagnosis: 'Діагноз AI',

similarities: 'Схожості',

differences: 'Відмінності',

agreement: 'Узгодженість',

conflict: 'Розбіжність',

patientInfo: 'Інформація про пацієнта',

gender: 'Стать',

age: 'Вік',

weight: 'Вага',

height: 'Зріст',

bmi: 'ІМТ',

bloodPressure: 'Кров'яний тиск',

chiefComplaint: 'Головна скарга',

medicalReports: 'Аналіз медичних звітів',

fileContent: 'Резюме вмісту звіту',

generatedTime: 'Час генерації',

fileAnalysis: 'Аналіз файлу'

},

// Turkish (土耳其语)

```
tr: {
  languageLabel: 'Dil',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'Yapay Zeka Tabanlı Tıbbi Klinik',
  sectionI: 'I. Temel Bilgileriniz',
  sectionII: 'II. Ana Şikayetiniz',
  sectionIII: 'III. Sağlık Durumunuz ve Tıbbi Geçmişiniz',
  sectionIV: 'IV. Kişisel Yaşam Tarzı ve Çevre',
  sectionV: 'V. Tıbbi Muayene ve Tetkikler',
  sectionVI: 'VI. Daha Fazla Öğrenmek İstedığınız Konular',
```

sectionVII: 'VII. Laboratuvar veya Görüntüleme Raporları',
 sectionVIII: 'VIII. Yapay Zeka Modeli Seçin',
 labelGender: 'Cinsiyet',
 optMale: 'Erkek',
 optFemale: 'Kadın',
 labelAge: 'Yaş',
 labelWeight: 'Kilo (kg)',
 labelHeight: 'Boy (cm)',
 labelBpSystolic: 'Sistolik Tansiyon (mmHg)',
 labelBpDiastolic: 'Diyastolik Tansiyon (mmHg)',
 labelRestingHr: 'İstirahat nabızı (bpm)',
 labelDeepseekKey: 'DeepSeek API Anahtarı',
 labelGptKey: 'OpenAI API Anahtarı',
 labelGeminiKey: 'Gemini API Anahtarı',
 infoChiefComplaint: 'Bu en önemli konudur; ne kadar net açıklarsanız o kadar iyidir.',
 infoHealth: 'Sağlık durumunuzu ve tıbbi geçmişinizi (özellikle ameliyat ve bulaşıcı hastalık geçmişi) saklamayın, bu tanı için çok önemlidir',
 infoLifestyle: 'Bunlar birçok hastalığın tetikleyicisi veya etkileyen faktörleridir. Kişisel yaşam tarzınızı ve çevrenizi saklamayın; bu tanı için çok önemlidir.',
 infoExaminations: 'Tıbbi muayene ve tetkiklerinizi saklamayın; bu tanı için çok önemlidir.',
 labelFiles: 'Önceki veya son fizyolojik ve biyokimyasal test raporlarınız, görüntüleme raporlarınız, sağlık kontrol formlarınız vb. varsa (resim veya dosya; txt, docx, pdf, jpg, png vb. formatlar), birlikte yükleyebilirsiniz (aynı anda birden fazla yüklenebilir)',
 apiKeyInfo: 'Yapay Zeka API Anahtarı Nasıl Alınır:',
 btnSubmit: 'Gönder',
 btnReset: 'Temizle',
 btnDownload: 'Raporu İndir',
 loadingText: 'Tıbbi bilgileriniz işleniyor...',
 placeholderChief: 'Nereniz rahatsız? Tam olarak hangi bölge? Bu rahatsızlık nasıl? Ağrı mı (keskin, şişkin, künt?), kaşıntı mı, uyuşma mı, yanma mı, mide yanması mı, baş dönmesi mi? Ne zaman başladı? Hangi gün, aniden mi yoksa yavaş yavaş mı ortaya çıktı? Ne kadar süredir devam ediyor? Sürekli mi yoksa aralıklı mı? Herhangi bir düzen var mı? Örneğin ne zaman kötüleşiyor (gündüz/gece, yemekten sonra/aç karnına, aktivite sonrası/istirahat sırasında), ne zaman hafifliyor? Ciddiyet derecesi nedir? 1-10 arası (10 en ağır) puan verirsiniz kaç puan verirsiniz? Uykunuzu, işinizi ve günlük yaşamınızı etkiliyor mu? Başka eşlik eden semptomlar var mı? Örneğin ateş, öksürük, bulantı, kusma, ishal, terleme, çarpıntı vb.? Açıklanması gereken diğer sorunlar.',
 placeholderHealth: 'Geçmiş Tıbbi Öykü: Daha önce hangi önemli hastalıklara yakalandınız? (Hipertansiyon, diyabet, kalp hastalığı, hepatit, tüberküloz, ameliyat geçmişi, travma geçmişi vb.) İlaç Geçmişi: Şu anda hangi ilaçları kullanıyorsunuz (reçeteli ilaçlar, reçetesiz ilaçlar, takviyeler, geleneksel ilaçlar dahil)? Hangi ilaçlara veya yiyeceklere alerjiniz var? Aile Öyküsü: Yakın akrabalarınızın (anne, baba, kardeşler) önemli hastalıkları veya kalıtsal hastalık geçmişi var mı? Diğer.',
 placeholderLifestyle: 'Yaşam Alışkanlıkları: Sigara içiyor musunuz? (Ne kadar süredir, günde ne kadar) Alkol kullanıyor musunuz? (Sıklık ve miktar) Uyku düzeniniz nasıl? Beslenme ve Egzersiz: Günlük beslenme tercihleri, egzersiz alışkanlıkları. Meslek ve Çevre: Ne iş yapıyorsunuz? Son zamanlarda özel çevresel maruziyet var mı (kimyasallar, toz, evcil hayvanlar, seyahat geçmişi)? Kadın Hastalar: Adet geçmişi (döngü, miktar, son adet), evlilik ve doğum geçmişi. Diğer.',
 placeholderVisits: 'Bu ziyaretten önce başka yerde muayene oldunuz mu? Hangi testler yapıldı? Ameliyat oldunuz mu? Hangi ameliyatlarda? İlaç kullandınız mı? Hangi ilaçlar, sonuçları nasıldı? Diğer.',
 placeholderQuestions: 'Ne sorunum olabilir? Ciddi mi? Netleştirmek için hangi testler gerekli? Neden bu testler gerekli? Şu anda hangi tedavi yöntemleri var? Her birinin artıları ve eksileri nedir? Yaşam ve beslenmede nelere dikkat etmem gerekiyor?',
 overallAssessment: 'I. Genel Değerlendirme ve Ana Sonuçlar',
 detailedInterpretation: 'II. Ayrıntılı Sonuç Yorumu, Ana Anormallikler ve Klinik Önemi',
 comprehensiveAnalysis: 'III. Kapsamlı Analiz ve Öneriler',
 analysis: '(1) Kapsamlı Analiz',

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recommendations: '(2) Ayrıntılı Öneriler',
basicKnowledge: 'IV. İPUÇLARI: Ana Şikayetle İlgili Temel Bilgiler',
differenceAmongAIs: 'Birden Fazla Yapay Zeka Teşhis Sonuçları Arasındaki Fark Analizi',
disclaimer: 'Sorumluluk Reddi',
disclaimerText: 'Bu teşhis raporu DR SUN YATSEN tarafından sağlanmıştır, sonuçlar yalnızca referans amaçlıdır ve hiçbir yasal risk ve sorumluluk kabul edilmemektedir.',
errorNoChiefComplaint: 'Lütfen ana şikayet bilgilerinizi doldurun',
errorNoAI: 'Lütfen en az bir Yapay Zeka modeli seçin',
errorNoAPIKey: 'Lütfen seçilen Yapay Zeka modeli için API anahtarını girin',
errorInvalidAPIKey: 'API anahtarı geçersiz veya ağ hatası, lütfen kontrol edin ve tekrar deneyin',
errorMissingRequired: 'Lütfen tüm gerekli alanları doldurun (yaş, kilo, boy, tansiyon)',
successSubmit: 'Teşhis raporu başarıyla oluşturuldu!',
reportTitle: 'DR SUN YATSEN Tıbbi Teşhis Raporu',
singleAIReport: 'Tek Yapay Zeka Teşhis Raporu',
multipleAIReport: 'Çoklu Yapay Zeka Kapsamlı Teşhis Raporu',
aiDiagnosis: 'Yapay Zeka Teşhisi',
similarities: 'Benzerlikler',
differences: 'Farklılıklar',
agreement: 'Uyum',
conflict: 'Çelişki',
patientInfo: 'Hasta Bilgileri',
gender: 'Cinsiyet',
age: 'Yaş',
weight: 'Kilo',
height: 'Boy',
bmi: 'BMI',
bloodPressure: 'Tansiyon',
chiefComplaint: 'Ana Şikayet',
medicalReports: 'Tıbbi Rapor Analizi',
fileContent: 'Rapor İçeriği Özeti',
generatedTime: 'Oluşturma Zamanı',
fileAnalysis: 'Dosya Analizi'
},

```

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// Persian (波斯语/عبراف)
```

```

fa: {
  languageLabel: 'فارس',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'تعمیر صم شوه رب رعربم كیشزپ كین طک',
  sectionI: 'I. امش هیلوا تاعالطا',
  sectionII: 'II. امش یلصا تلکش',
  sectionIII: 'III. امش کیشزپ هقباس و تمالس تیعضو',
  sectionIV: 'IV. مخصش طیحم و یگدنز کبس',
  sectionV: 'V. کیشزپ تان یاعم و امتیزی',
  sectionVI: 'VI. دئ ادب دیه اوخیم هک یرتشیب تال اوس',
  sectionVII: 'VII. یرادبروهصت ای ه اگشی امز آی امش رازگ',
  sectionVIII: 'VIII. تعمیر صم شوه لدم باخشتنا',
  labelGender: 'تعمیر جن',
  optMale: 'درم',
  optFemale: 'نر',
  labelAge: 'سن',
  labelWeight: 'جرگولیک (نزو)',

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labelHeight: '(رتبم ٲٲناس) دق',
 labelBpSystolic: '(mmHg) کیلوتسیس نوخ راشف',
 labelBpDiastolic: '(mmHg) کیلوتسیس ای د نوخ راشف',
 labelRestingHr: '(bpm) تاح ارتسا ضربن',
 labelDeepseekKey: 'کیس پی دی API دٲک',
 labelGptKey: 'آی ان پی او API دٲک',
 labelGeminiKey: 'آی نی ج API دٲک',
 infoChiefComplaint: 'تسا رتبب دی هد حٲضوت رت حضاو هٲره ٲتسا ملیٲسم نی تمم نی',
 infoHealth: 'طلب نی ، دٲکن ناهنپ ار (ٲوفوعی ایرامی و یحارج قوباس مژیوب) دوخ کیشزپ قوباس و تملاس تیعضو',
 'تسا مهم رایب صٲشت',
 infoLifestyle: 'ناهنپ ار دوخ ٲصخش طیحم و یگدنز کبس .دنتسه ایرامی زا یرایب رانگرنات ای کرجم لامواع انی',
 'تسا مهم رایب صٲشت طلب نی ، دٲکن',
 infoExaminations: 'تسا مهم رایب صٲشت طلب نی ، دٲکن ناهنپ ار دوخ کیشزپ تانعام و امتیزیو',
 labelFiles: 'نیعامی امرف ، یرادرٲصت ایامشرازگ ، ریخ ای لٲیق ایامیشویب و یکیژولویزیفش ایامشرازگ رگا',
 'لٲف نینچ ناوتیم) دٲک دولٲا مه اب ار ان دٲاوتیم، (ریغ و jpg, png, pdf, docx, txt ایامترف: ٲلٲف ای رهصت) دیراد ریغ و لٲف (درک دولٲا نامزمه ار',
 apiKeyInfo: 'ٲعونصم شوه API دٲک تفایرد موحن',
 btnSubmit: 'الاسرا',
 btnReset: 'ندرک کاپ',
 btnDownload: 'شرازگ دولناد',
 loadingText: 'امش کیشزپ تاعالٲا شزادرٲ لاج رد',
 placeholderChief: 'شراخ، (دٲنک، ٲسبنم، زیت) تسا درد؟ تسا هنوگ ٲتساران نی؟ ٲتمسق مادکٲٲد؟ ٲتسا تاحاران امش ٲچک',
 'موادم؟ ٲراد همادا تسا تدم هٲدش رهاظ جیدت هب ای دوب ٲامگان، زور مادک؟ دش عورش کی؟ | هج ٲگرس، لدرس شزوس، شزوس، یسحیب کی، (تاحارتسا نامزد/ تٲاعاف زا دعب، یلاخ مکش اب/اذغ زا دعب، بش/زور) دوشیم رتدب کی ٲلٲم؟ ٲراد یوگلا ای؟ ٲامرد ای تسا مرزور یگدنز و راک، باوخ رب ای؟ ٲدیهدیم هرمن دن ٲ، (نیرتدٲش 10) دٲدب هرمن 10 ات 1 زا رگا؟ ٲتسا ردٲچ نآ تدهش ٲدوشیم رتبب لئاس ٲ؟ ٲریغ و بلبق شٲٲت، ٲقیعت، الاسا، غارفتسا، عومت تللاح، مفرس، ببت لٲم؟ ٲیراد یرگی دیارمه مئال ٲ؟ ٲرادانگی م رٲنات امش لٲدرد حٲضوت هب زاین هک یرگی',
 placeholderHealth: 'صلق یرامی، تباید، ال اب نوخ راشف دننام)؟ ٲدش التببمی مهمی ایرامی هٲ هب لٲق: کیشزپ قوباس',
 'هخسنی اوراد لامش) دٲکی فرصمی ای اوراد هٲ رضاح لاج رد: یوراد قوباس (ٲریغ و هبرض قوباس، یحارج قوباس، لس، تبٲتاپه کٲزن ناگتسب ای: یگداوناخ قوباس ٲدیراد تٲساح یی اذغ ای اوراد هٲ هب؟ (ٲٲنس ای اوراد، اٲلمکم، هخسن نوبی اوراد، ای رٲس ٲدنراد ٲشرا یرامی قوباس ای مهمی ایرامی (ردارب و رهواخ، برام، برٲ)'.
 placeholderLifestyle: 'امش باوخ (رادقم و رارکت)؟ دٲکی فرصم لکلا (ردٲچ یزور، تدم هٲ)؟ دٲکی راکیس: یگدنز تاداع',
 'طیحم ضررم رد آخ؟ ٲدیهدیم ماچنا ای هٲ هٲطیحم و لغش ٲشزرو تاداع، منازور یی اذغ تاحٲرت: شزرو و هٲغت ٲتسا؟ ٲسوخ، هخرٲ) یگدعاق قوباس: نز نارامی ٲ؟ (رفس قوباس، یگان تاناویح، رابغ و درگ، یی ایامیش داوم دننام) دیامترفگ رارق یصاخ، ٲرٲس ٲنامیاز و جاودزا قوباس، (یگدعاق نیرخ، رادقم',
 placeholderVisits: 'هٲ؟ ٲدش یحارج ای ٲتسا؟ ٲدش ماچنای ایامش ایامش؟ هٲ؟ ٲدش نیامش ایامش؟ ٲتسیو نی زا لبٲ',
 'ٲرٲس ٲدوب هنوگ ٲچٲٲن، یی اوراد هٲ؟ ٲدیامرف فرصم وراد لٲق ای ٲ؟ ٲی ایحارج',
 placeholderQuestions: 'امش ایامش ایامش؟ ٲتسا مزال ییامش ایامش؟ ٲدش صخش ٲرب ٲتسا؟ ٲدش ٲدش؟ ٲدش اب ناوتیم هٲ نم لکشم',
 'هٲوت دٲب ییامش هٲ هٲ هٲ هٲ یگدنز ٲدش؟ ٲتسی ٲچ مادک ره بیام و ایامش؟ ٲراد دوچ ییامش هٲ رضاح لاج رد ٲتسا؟ ٲمزال؟ ٲمنک؟',
 overallAssessment: 'I. ٲلصا ٲٲٲن و ٲک یبایزرا',
 detailedInterpretation: 'II. ٲلصا یی اٲناهان، ٲٲٲن قیٲد رهٲت',
 comprehensiveAnalysis: 'III. ٲهصوت و عماج لٲحت',
 analysis: 'I. عماج لٲحت (1)',
 recommendations: 'II. قیٲدی هٲصوت (2)',
 basicKnowledge: 'IV. ٲلصا تٲکش هٲ ٲوبرم هیلوا تاعالٲا: تاکن',
 differenceAmongAIs: 'ٲعونصم شوه دن ٲ صٲشت ٲٲٲن نیب توافت لٲحت',
 disclaimer: 'ٲلویسم بلس',
 disclaimerText: 'کسی ریٲه و تسا عجرم ٲرب ٲوف ٲٲٲن، ٲتسا دٲش هیارا DR SUN YATSEN ٲسوت یصٲشت شرازگ نی',
 'دیریگ ٲن هده هب ار قوناق ٲلویسم و',
 errorNoChiefComplaint: 'دٲک رٲ ار ٲلصا تٲکش تاعالٲاطی',
 errorNoAI: 'دٲک باختنا ار ٲعونصم شوه لدم کی لٲاد ٲطی',

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errorNoAPIKey: 'دینک در او ار بیاختنا بیونصم شوه لدم طلب API دلی کفلی',
errorInvalidAPIKey: 'دینک ناحتم هرابود و مدرک بیوربفلی، مکبش یاطخ ای ربت عمان API دلی ک',
errorMissingRequired: '(نوخ راشف، دق، نزو، نس) دینک رپ ار یابجا یاهدلی ف مامتفلی',
successSubmit: 'ادش داجی تفتفوم اب یصنچشت شرانگ',
reportTitle: 'DR SUN YATSEN' کیشزپ صنچشت شرانگ',
singleAIRport: 'بیونصم شوه کت صنچشت شرانگ',
multipleAIRport: 'بیونصم شوه دنچ صنچشت عمان شرانگ',
aiDiagnosis: 'بیونصم شوه صنچشت',
similarities: 'امتاهبش',
differences: 'امتوافت',
agreement: 'تفافت',
conflict: 'فسالتخ',
patientInfo: 'رامی بتاعالطا',
gender: 'تصنجن',
age: 'نس',
weight: 'نزو',
height: 'دق',
bmi: 'BMI',
bloodPressure: 'نوخ راشف',
chiefComplaint: 'علصا تیکش',
medicalReports: 'کیشزپی امشرانگ للیحت',
fileContent: 'شرانگ طوتحم مصالخ',
generatedTime: 'داجی نامزا',
fileAnalysis: 'للف للیحت'
},

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// Korean (韩语/한국어)

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ko: {
  languageLabel: '언어',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'AI 기반 의료 클리닉',
  sectionI: 'I. 기본 정보',
  sectionII: 'II. 주요 증상',
  sectionIII: 'III. 건강 상태 및 병력',
  sectionIV: 'IV. 개인 생활 습관 및 환경',
  sectionV: 'V. 의료 진료 및 검사',
  sectionVI: 'VI. 더 알고 싶은 사항',
  sectionVII: 'VII. 검사 또는 영상 보고서',
  sectionVIII: 'VIII. AI 모델 선택',
  labelGender: '성별',
  optMale: '남성',
  optFemale: '여성',
  labelAge: '나이',
  labelWeight: '체중 (kg)',
  labelHeight: '신장 (cm)',
  labelBpSystolic: '수축기 혈압 (mmHg)',
  labelBpDiastolic: '이완기 혈압 (mmHg)',
  labelRestingHr: '안정시 심박수 (bpm)',
  labelDeepseekKey: 'DeepSeek API 키',
  labelGptKey: 'OpenAI API 키',
  labelGeminiKey: 'Gemini API 키',
  infoChiefComplaint: '이것은 가장 중요한 문제입니다; 명확하게 설명할수록 좋습니다.',

```

infoHealth: '건강 상태와 병력(특히 수술력과 감염병 이력)을 숨기지 마십시오. 이는 진단에 매우 중요합니다',
 infoLifestyle: '이것들은 많은 질병의 유발 요인 또는 영향 요인입니다. 개인 생활 습관과 환경을 숨기지 마십시오; 이는 진단에 매우 중요합니다.',
 infoExaminations: '의료 진료와 검사를 숨기지 마십시오; 이는 진단에 매우 중요합니다.',
 labelFiles: '이전 또는 최근의 생리학적 및 생화학적 검사 보고서, 영상 보고서, 건강 검진 양식 등이 있으면(이미지 또는 파일: txt, docx, pdf, jpg, png 등 형식) 함께 업로드할 수 있습니다(여러 개 동시 업로드 가능);',
 apiKeyInfo: 'AI API 키를 얻는 방법:',
 btnSubmit: '제출',
 btnReset: '지우기',
 btnDownload: '보고서 다운로드',
 loadingText: '의료 정보를 처리하는 중...',
 placeholderChief: '어디가 불편하십니까? 정확히 어느 부위인가요?\n 이 불편함은 어떤가요? 통증(짜르는 듯한, 팽창하는, 둔한?)인가요, 가려움, 저림, 쓰림, 속쓰림, 어지러움?\n 언제 시작되었나요? 정확히 어느 날, 갑자기 발생했나요 아니면 천천히 나타났나요?\n 얼마나 오래 지속되었나요? 계속 지속되나요 아니면 간헐적인가요?\n 패턴이 있나요? 예를 들어 언제 악화되나요(낮/밤, 식후/공복, 활동 후/휴식 시), 언제 완화되나요?\n 심각도는 어떤가요? 1-10 점(10 점이 가장 심함) 척도로 몇 점을 주시겠습니까? 수면, 업무 및 일상 생활에 영향을 미치나요?\n 동반되는 다른 증상이 있나요? 예를 들어 발열, 기침, 메스꺼움, 구토, 설사, 발한, 심계항진 등?\n 설명이 필요한 기타 사항:',
 placeholderHealth: '과거 병력: 과거에 어떤 주요 질병을 앓으셨나요? (고혈압, 당뇨병, 심장병, 간염, 결핵, 수술력, 외상 이력 등)\n 약물 이력: 현재 복용 중인 약물은 무엇인가요(처방약, 일반의약품, 건강보조식품, 한약 포함)? 어떤 약물이나 음식에 알레르기가 있나요?\n 가족력: 직계 가족(부모, 형제자매)이 주요 질병이나 유전병 이력이 있나요?\n 기타:',
 placeholderLifestyle: '생활 습관: 흡연하시나요? (얼마나 오래, 하루에 얼마나) 음주하시나요? (빈도와 양) 수면은 어떤가요?\n 식단과 운동: 일상적인 식단 선호도, 운동 습관.\n 직업 및 환경: 어떤 일을 하시나요? 최근 특별한 환경 노출이 있었나요(화학물질, 먼지, 애완동물, 여행 이력)?\n 여성 환자: 생리 이력(주기, 양, 마지막 생리), 결혼 및 출산 이력.\n 기타:',
 placeholderVisits: '이번 진료 전에 다른 곳에서 진료를 받으셨나요? 어떤 검사를 받으셨나요?\n 수술을 받으셨나요? 어떤 수술?\n 이미 약을 복용하셨나요? 어떤 약, 효과는 어땠나요?\n 기타:',
 placeholderQuestions: '저는 어떤 문제일 수 있나요? 심각한가요?\n 확인하기 위해 어떤 검사가 필요한가요? 왜 이러한 검사가 필요한가요?\n 현재 어떤 치료 방법이 있나요? 각각의 장단점은 무엇인가요?\n 생활과 식단에서 무엇을 주의해야 하나요?',
 overallAssessment: 'I. 전반적 평가 및 핵심 결론',
 detailedInterpretation: 'II. 세부 결과 해석, 주요 이상 소견 및 임상적 의의',
 comprehensiveAnalysis: 'III. 종합 분석 및 권장 사항',
 analysis: '(1) 종합 분석',
 recommendations: '(2) 세부 권장 사항',
 basicKnowledge: 'IV. 팁: 주요 증상과 관련된 기본 지식',
 differenceAmongAIs: '여러 AI 진단 결과의 차이 분석',
 disclaimer: '면책 조항',
 disclaimerText: '이 진단 보고서는 DR SUN YATSEN 이 제공하며, 결과는 참고용일 뿐 법적 위험 및 책임을 지지 않습니다.',
 errorNoChiefComplaint: '주요 증상 정보를 입력해 주세요',
 errorNoAI: '최소 하나의 AI 모델을 선택해 주세요',
 errorNoAPIKey: '선택한 AI 모델의 API 키를 입력해 주세요',
 errorInvalidAPIKey: 'API 키가 유효하지 않거나 네트워크 오류입니다. 확인 후 다시 시도해 주세요',
 errorMissingRequired: '모든 필수 항목을 입력해 주세요(나이, 체중, 신장, 혈압)',
 successSubmit: '진단 보고서가 성공적으로 생성되었습니다!',
 reportTitle: 'DR SUN YATSEN 의료 진단 보고서',
 singleAIReport: '단일 AI 진단 보고서',
 multipleAIReport: '다중 AI 종합 진단 보고서',
 aiDiagnosis: 'AI 진단',
 similarities: '유사점',

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differences: '차이점',
agreement: '일치',
conflict: '불일치',
patientInfo: '환자 정보',
gender: '성별',
age: '나이',
weight: '체중',
height: '신장',
bmi: 'BMI',
bloodPressure: '혈압',
chiefComplaint: '주요 증상',
medicalReports: '의료 보고서 분석',
fileContent: '보고서 내용 요약',
generatedTime: '생성 시간',
fileAnalysis: '파일 분석'
},

// Hindi (印地语/हिन्दी)
hi: {
  languageLabel: 'भाषा',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'AI आधारित चिकित्सा क्लिनिक',
  sectionI: 'I. आपकी मूल जानकारी',
  sectionII: 'II. आपकी मुख्य शिकायत',
  sectionIII: 'III. आपका स्वास्थ्य और चिकित्सा इतिहास',
  sectionIV: 'IV. व्यक्तिगत जीवनशैली और पर्यावरण',
  sectionV: 'V. चिकित्सा परामर्श और जांच',
  sectionVI: 'VI. आप और क्या जानना चाहते हैं',
  sectionVII: 'VII. प्रयोगशाला या इमेजिंग रिपोर्ट',
  sectionVIII: 'VIII. AI मॉडल चुनें',
  labelGender: 'लिंग',
  optMale: 'पुरुष',
  optFemale: 'महिला',
  labelAge: 'उम्र',
  labelWeight: 'वजन (किलो)',
  labelHeight: 'ऊंचाई (सेमी)',
  labelBpSystolic: 'सिस्टोलिक रक्तचाप (mmHg)',
  labelBpDiastolic: 'डायस्टोलिक रक्तचाप (mmHg)',
  labelRestingHr: 'आराम की हृदय दर (bpm)',
  labelDeepseekKey: 'DeepSeek API कुंजी',
  labelGptKey: 'OpenAI API कुंजी',
  labelGeminiKey: 'Gemini API कुंजी',
  infoChiefComplaint: 'यह सबसे महत्वपूर्ण मुद्दा है; जितना स्पष्ट रूप से वर्णन करेंगे उतना बेहतर है।',
  infoHealth: 'अपने स्वास्थ्य और चिकित्सा इतिहास (विशेष रूप से सर्जरी और संक्रामक रोगों का इतिहास) को न छिपाएं, यह निदान के लिए बहुत महत्वपूर्ण है',
  infoLifestyle: 'ये कई बीमारियों के ट्रिगर या प्रभावित करने वाले कारक हैं। अपनी व्यक्तिगत जीवनशैली और पर्यावरण को न छिपाएं; यह निदान के लिए बहुत महत्वपूर्ण है।',
  infoExaminations: 'अपने चिकित्सा परामर्श और जांच को न छिपाएं; यह निदान के लिए बहुत महत्वपूर्ण है।',
  labelFiles: 'यदि आपके पास पिछली या हालिया शारीरिक और जैव रासायनिक परीक्षण रिपोर्ट, इमेजिंग रिपोर्ट, स्वास्थ्य जांच फॉर्म आदि हैं (छवि या फ़ाइल: txt, docx, pdf, jpg, png आदि प्रारूप), तो एक साथ अपलोड कर सकते हैं (एक साथ कई अपलोड कर सकते हैं)',
  apiKeyInfo: 'AI API कुंजी कैसे प्राप्त करें:',
  btnSubmit: 'जमा करें',

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btnReset: 'साफ करें',

btnDownload: 'रिपोर्ट डाउनलोड करें',

loadingText: 'आपकी चिकित्सा जानकारी संसाधित की जा रही है...'

placeholderChief: 'कहाँ असुविधा है? ठीक कौन सा हिस्सा? यह असुविधा कैसी है? दर्द है (तेज, फूला हुआ, मंद)? खुजली, सुन्नता, जलन, सीने में जलन, चक्कर? कब शुरू हुआ? कौन सा दिन, अचानक था या धीरे-धीरे प्रकट हुआ? कितने समय से जारी है? लगातार है या रुक-रुक कर? कोई पैटर्न है? उदाहरण के लिए कब बदतर होता है (दिन/रात, भोजन के बाद/खाली पेट, गतिविधि के बाद/आराम के दौरान), कब राहत मिलती है? गंभीरता कैसी है? यदि 1-10 (10 सबसे गंभीर) पर रेटिंग दें तो कितने अंक देंगे? क्या यह नींद, काम और दैनिक जीवन को प्रभावित करता है? कोई अन्य साथ के लक्षण हैं? जैसे बुखार, खांसी, मतली, ल्टी, दस्त, पसीना, धड़कन आदि? अन्य मुद्दे जिनकी व्याख्या की आवश्यकता है।'

placeholderHealth: 'पिछला चिकित्सा इतिहास: आपको पहले कौन सी प्रमुख बीमारियां हुई हैं? (जैसे उच्च रक्तचाप, मधुमेह, हृदय रोग, हेपेटाइटिस, तपेदिक, सर्जरी इतिहास, आघात इतिहास आदि)। दवा इतिहास: वर्तमान में कौन सी दवाएं ले रहे हैं (प्रिस्क्रिप्शन दवाएं, ओवर-द-काउंटर दवाएं, सप्लीमेंट, पारंपरिक दवाएं शामिल)? किन दवाओं या खाद्य पदार्थों से एलर्जी है? पारिवारिक इतिहास: क्या निकट रिश्तेदारों (माता-पिता, भाई-बहन) को कोई प्रमुख बीमारी या आनुवंशिक रोग का इतिहास है? अन्य।'

placeholderLifestyle: 'जीवन आदतें: धूम्रपान करते हैं? (कितने समय से, प्रतिदिन कितना) शराब पीते हैं? (आवृत्ति और मात्रा) नींद कैसी है? आहार और व्यायाम: दैनिक आहार प्राथमिकताएं, व्यायाम की आदतें। पेशा और पर्यावरण: क्या काम करते हैं? हाल ही में किसी विशेष पर्यावरणीय एक्सपोज़र हुए हैं (जैसे रसायन, धूल, पालतू जानवर, यात्रा इतिहास)? महिला मरीज़: मासिक धर्म इतिहास (चक्र, मात्रा, अंतिम मासिक धर्म), विवाह और प्रसव इतिहास। अन्य।'

placeholderVisits: 'इस विज़िट से पहले, क्या आपने कहीं और जांच कराई है? कौन से परीक्षण किए गए? क्या सर्जरी हुई है? कौन सी सर्जरी? क्या पहले से दवा ली है? कौन सी दवाएं, परिणाम कैसे थे? अन्य।'

placeholderQuestions: 'मेरी समस्या क्या हो सकती है? क्या यह गंभीर है? इसे स्पष्ट करने के लिए कौन से परीक्षण आवश्यक हैं? ये परीक्षण क्यों आवश्यक हैं? वर्तमान में कौन से उपचार विकल्प हैं? प्रत्येक के फायदे और नुकसान क्या हैं? जीवन और आहार में क्या ध्यान रखना चाहिए?'

overallAssessment: 'I. समग्र मूल्यांकन और मुख्य निष्कर्ष',

detailedInterpretation: 'II. विस्तृत परिणाम व्याख्या, मुख्य असामान्यताएं और नैदानिक महत्व',

comprehensiveAnalysis: 'III. व्यापक विश्लेषण और सिफारिशें',

analysis: '(1) व्यापक विश्लेषण',

recommendations: '(2) विस्तृत सिफारिशें',

basicKnowledge: 'IV. टिप्स: मुख्य शिकायत से संबंधित बुनियादी ज्ञान',

differenceAmongAIs: 'एकाधिक AI निदान परिणामों के बीच अंतर विश्लेषण',

disclaimer: 'अस्वीकरण',

disclaimerText: 'यह निदान रिपोर्ट DR SUN YATSEN द्वारा प्रदान की गई है, परिणाम केवल संदर्भ के लिए हैं और कोई कानूनी ज़ोखिम और जिम्मेदारी नहीं लेते हैं।'

errorNoChiefComplaint: 'कृपया मुख्य शिकायत की जानकारी भरें',

errorNoAI: 'कृपया कम से कम एक AI मॉडल चुनें',

errorNoAPIKey: 'कृपया चयनित AI मॉडल के लिए API कुंजी दर्ज करें',

errorInvalidAPIKey: 'API कुंजी अमान्य है या नेटवर्क त्रुटि है, कृपया जांचें और पुनः प्रयास करें',

errorMissingRequired: 'कृपया सभी आवश्यक फ़ील्ड भरें (उम्र, वजन, ऊंचाई, रक्तचाप)',

successSubmit: 'निदान रिपोर्ट सफलतापूर्वक उत्पन्न हुई!',

reportTitle: 'DR SUN YATSEN चिकित्सा निदान रिपोर्ट',

singleAIReport: 'एकल AI निदान रिपोर्ट',

multipleAIReport: 'बहु-AI व्यापक निदान रिपोर्ट',

aiDiagnosis: 'AI निदान',

similarities: 'समानताएं',

differences: 'अंतर',

agreement: 'सहमति',

conflict: 'विरोध',

patientInfo: 'रोगी की जानकारी',

gender: 'लिंग',

age: 'उम्र',

weight: 'वजन',

height: 'ऊंचाई',

bmi: 'BMI',

```

bloodPressure: 'रक्तचाप',
chiefComplaint: 'मुख्य शिकायत',
medicalReports: 'चिकित्सा रिपोर्ट विश्लेषण',
fileContent: 'रिपोर्ट सामग्री सारांश',
generatedTime: 'उत्पन्न समय',
fileAnalysis: 'फ़ाइल विश्लेषण'
},

// Indonesian (印尼语/Bahasa Indonesia)
id: {
  languageLabel: 'Bahasa',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'Klinik Medis Berbasis AI',
  sectionI: 'I. Informasi Dasar Anda',
  sectionII: 'II. Keluhan Utama Anda',
  sectionIII: 'III. Status Kesehatan dan Riwayat Medis Anda',
  sectionIV: 'IV. Gaya Hidup dan Lingkungan Pribadi',
  sectionV: 'V. Konsultasi dan Pemeriksaan Medis',
  sectionVI: 'VI. Pertanyaan Lebih Lanjut yang Ingin Anda Ketahui',
  sectionVII: 'VII. Laporan Laboratorium atau Pencitraan',
  sectionVIII: 'VIII. Pilih Model AI',
  labelGender: 'Jenis Kelamin',
  optMale: 'Laki-laki',
  optFemale: 'Perempuan',
  labelAge: 'Usia',
  labelWeight: 'Berat Badan (kg)',
  labelHeight: 'Tinggi Badan (cm)',
  labelBpSystolic: 'Tekanan Darah Systolik (mmHg)',
  labelBpDiastolic: 'Tekanan Darah Diastolik (mmHg)',
  labelRestingHr: 'Denyut jantung saat istirahat (bpm)',
  labelDeepseekKey: 'Kunci API DeepSeek',
  labelGptKey: 'Kunci API OpenAI',
  labelGeminiKey: 'Kunci API Gemini',
  infoChiefComplaint: 'Ini adalah masalah paling penting; semakin jelas Anda menjelaskan, semakin baik.',
  infoHealth: 'Jangan sembunyikan status kesehatan dan riwayat medis Anda (terutama riwayat operasi dan penyakit menular), ini sangat penting untuk diagnosis',
  infoLifestyle: 'Ini adalah pemicu atau faktor yang mempengaruhi banyak penyakit. Jangan sembunyikan gaya hidup pribadi dan lingkungan Anda; ini sangat penting untuk diagnosis.',
  infoExaminations: 'Jangan sembunyikan konsultasi medis dan pemeriksaan Anda; ini sangat penting untuk diagnosis.',
  labelFiles: 'Jika Anda memiliki laporan tes fisiologis dan biokimia sebelumnya atau terbaru, laporan pencitraan, formulir pemeriksaan kesehatan, dll. (gambar atau file; format txt, docx, pdf, jpg, png, dll.), dapat diunggah bersama (dapat mengunggah beberapa sekaligus)',
  apiKeyInfo: 'Cara Mendapatkan Kunci API AI:',
  btnSubmit: 'Kirim',
  btnReset: 'Hapus',
  btnDownload: 'Unduh Laporan',
  loadingText: 'Memproses informasi medis Anda...',
  placeholderChief: 'Di mana yang tidak nyaman? Bagian mana tepatnya?\nBagaimana ketidaknyamanan ini? Apakah nyeri (tajam, membengkak, tumpul?), gatal, mati rasa, panas, mulas, pusing?\nKapan dimulai? Hari mana tepatnya, apakah tiba-tiba atau perlahan muncul?\nSudah berapa lama berlangsung? Apakah terus-menerus atau berkala?\nApakah ada pola? Misalnya kapan memburuk (siang/malam, setelah makan/perut kosong, setelah aktivitas/saat istirahat), kapan mereda?\nSeberapa parah? Jika diberi nilai 1-10 (10 paling parah), berapa nilai Anda? Apakah mempengaruhi tidur, pekerjaan, dan kehidupan

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sehari-hari?\nAda gejala penyerta lainnya? Seperti demam, batuk, mual, muntah, diare, berkeringat, jantung berdebar, dll.\nMasalah lain yang perlu dijelaskan.'

placeholderHealth: 'Riwayat Medis: Penyakit besar apa yang pernah diderita? (seperti tekanan darah tinggi, diabetes, penyakit jantung, hepatitis, TBC, riwayat operasi, riwayat trauma, dll.)\nRiwayat Obat: Obat apa yang sedang diminum (termasuk obat resep, obat bebas, suplemen, obat tradisional)? Alergi terhadap obat atau makanan apa?\nRiwayat Keluarga: Apakah kerabat dekat (orang tua, saudara kandung) memiliki penyakit besar atau riwayat penyakit genetik?\nLainnya.'

placeholderLifestyle: 'Kebiasaan Hidup: Merokok? (Sudah berapa lama, berapa per hari) Minum alkohol? (Frekuensi dan jumlah) Bagaimana tidur?\nDiet dan Olahraga: Preferensi diet harian, kebiasaan olahraga.\nPekerjaan dan Lingkungan: Apa pekerjaan Anda? Apakah ada paparan lingkungan khusus baru-baru ini (seperti bahan kimia, debu, hewan peliharaan, riwayat perjalanan)?\nPasien Wanita: Riwayat menstruasi (siklus, jumlah, menstruasi terakhir), riwayat pernikahan dan persalinan.\nLainnya.'

placeholderVisits: 'Sebelum kunjungan ini, apakah sudah diperiksa di tempat lain? Tes apa yang dilakukan?\nApakah pernah operasi? Operasi apa?\nApakah sudah menggunakan obat? Obat apa, bagaimana hasilnya?\nLainnya.'

placeholderQuestions: 'Apa masalah saya? Apakah serius?\nTes apa yang diperlukan untuk mengklarifikasi? Mengapa tes ini diperlukan?\nApa pilihan pengobatan saat ini? Apa kelebihan dan kekurangan masing-masing?\nApa yang perlu diperhatikan dalam kehidupan dan diet?'

overallAssessment: 'I. Penilaian Keseluruhan dan Kesimpulan Inti',

detailedInterpretation: 'II. Interpretasi Hasil Terperinci, Kelainan Utama dan Signifikansi Klinis',

comprehensiveAnalysis: 'III. Analisis Komprehensif dan Rekomendasi',

analysis: '(1) Analisis Komprehensif',

recommendations: '(2) Rekomendasi Terperinci',

basicKnowledge: 'IV. TIPS: Pengetahuan Dasar Terkait Keluhan Utama',

differenceAmongAIs: 'Analisis Perbedaan Hasil Diagnosis Multiple AI',

disclaimer: 'Penafian',

disclaimerText: 'Laporan diagnosis ini disediakan oleh DR SUN YATSEN, hasilnya hanya untuk referensi dan tidak menanggung risiko dan tanggung jawab hukum apa pun.'

errorNoChiefComplaint: 'Harap isi informasi keluhan utama',

errorNoAI: 'Harap pilih setidaknya satu model AI',

errorNoAPIKey: 'Harap masukkan kunci API untuk model AI yang dipilih',

errorInvalidAPIKey: 'Kunci API tidak valid atau kesalahan jaringan, harap periksa dan coba lagi',

errorMissingRequired: 'Harap isi semua bidang yang wajib diisi (usia, berat badan, tinggi badan, tekanan darah)',

successSubmit: 'Laporan diagnosis berhasil dibuat!',

reportTitle: 'Laporan Diagnosis Medis DR SUN YATSEN',

singleAIReport: 'Laporan Diagnosis AI Tunggal',

multipleAIReport: 'Laporan Diagnosis Komprehensif Multi-AI',

aiDiagnosis: 'Diagnosis AI',

similarities: 'Kesamaan',

differences: 'Perbedaan',

agreement: 'Kesepakatan',

conflict: 'Perbedaan Pendapat',

patientInfo: 'Informasi Pasien',

gender: 'Jenis Kelamin',

age: 'Usia',

weight: 'Berat Badan',

height: 'Tinggi Badan',

bmi: 'BMI',

bloodPressure: 'Tekanan Darah',

chiefComplaint: 'Keluhan Utama',

medicalReports: 'Analisis Laporan Medis',

fileContent: 'Ringkasan Isi Laporan',

generatedTime: 'Waktu Pembuatan',

fileAnalysis: 'Analisis File'

```
},
```

```
// Malay (马来语/Bahasa Melayu)
```

```
ms: {
```

```
  languageLabel: 'Bahasa',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'Klinik Perubatan Berasaskan AI',
  sectionI: 'I. Maklumat Asas Anda',
  sectionII: 'II. Aduan Utama Anda',
  sectionIII: 'III. Status Kesihatan dan Sejarah Perubatan Anda',
  sectionIV: 'IV. Gaya Hidup dan Persekitaran Peribadi',
  sectionV: 'V. Lawatan dan Pemeriksaan Perubatan',
  sectionVI: 'VI. Soalan Lanjut yang Ingin Anda Ketahui',
  sectionVII: 'VII. Laporan Makmal atau Pengimejan',
  sectionVIII: 'VIII. Pilih Model AI',
```

```
  labelGender: 'Jantina',
```

```
  optMale: 'Lelaki',
```

```
  optFemale: 'Perempuan',
```

```
  labelAge: 'Umur',
```

```
  labelWeight: 'Berat Badan (kg)',
```

```
  labelHeight: 'Tinggi (cm)',
```

```
  labelBpSystolic: 'Tekanan Darah Systolik (mmHg)',
```

```
  labelBpDiastolic: 'Tekanan Darah Diastolik (mmHg)',
```

```
labelRestingHr: 'Kadar denyutan jantung rehat (bpm)',
```

```
  labelDeepseekKey: 'Kunci API DeepSeek',
```

```
  labelGptKey: 'Kunci API OpenAI',
```

```
  labelGeminiKey: 'Kunci API Gemini',
```

```
  infoChiefComplaint: 'Ini adalah isu yang paling penting; semakin jelas anda menerangkan, semakin baik.',
```

```
  infoHealth: 'Jangan sembunyikan status kesihatan dan sejarah perubatan anda (terutamanya sejarah pembedahan dan penyakit berjangkit), ini sangat penting untuk diagnosis',
```

```
  infoLifestyle: 'Ini adalah pencetus atau faktor yang mempengaruhi banyak penyakit. Jangan sembunyikan gaya hidup peribadi dan persekitaran anda; ini sangat penting untuk diagnosis.',
```

```
  infoExaminations: 'Jangan sembunyikan lawatan perubatan dan pemeriksaan anda; ini sangat penting untuk diagnosis.',
```

```
  labelFiles: 'Jika anda mempunyai laporan ujian fisiologi dan biokimia sebelumnya atau terkini, laporan pengimejan, borang pemeriksaan kesihatan, dll. (imej atau fail; format txt, docx, pdf, jpg, png, dll.), boleh dimuat naik bersama (boleh muat naik beberapa sekaligus)',
```

```
  apiKeyInfo: 'Cara Mendapatkan Kunci API AI:',
```

```
  btnSubmit: 'Hantar',
```

```
  btnReset: 'Padam',
```

```
  btnDownload: 'Muat Turun Laporan',
```

```
  loadingText: 'Memproses maklumat perubatan anda...!',
```

```
  placeholderChief: 'Di mana yang tidak selesai? Bahagian mana tepatnya?\nBagaimana ketidakselesaian ini? Adakah sakit (tajam, membengkak, tumpul?), gatal, kebas, pedih, pedih ulu hati, pening?\nBila ia bermula? Hari yang mana tepatnya, adakah secara tiba-tiba atau perlahan-lahan muncul?\nSudah berapa lama berlaku? Adakah berterusan atau berkala?\nAdakah ada corak? Contohnya bila bertambah teruk (siang/malam, selepas makan/perut kosong, selepas aktiviti/semasa berehat), bila menjadi reda?\nSeberapa teruknya? Jika diberi markah 1-10 (10 paling teruk), berapa markah anda? Adakah ia mempengaruhi tidur, kerja dan kehidupan seharian?\nAda gejala lain yang berkaitan? Seperti demam, batuk, loya, muntah, cirit-birit, berpeluh, berdebar-debar, dll.?\nIsu lain yang perlu dijelaskan.',
```

```
  placeholderHealth: 'Sejarah Perubatan: Penyakit besar apa yang pernah dihidapi? (seperti tekanan darah tinggi, diabetes, penyakit jantung, hepatitis, batuk kering, sejarah pembedahan, sejarah trauma, dll.)\nSejarah Ubat: Ubat apa yang sedang diambil (termasuk ubat preskripsi, ubat tanpa preskripsi, suplemen, ubat tradisional)? Alah kepada ubat atau makanan apa?\nSejarah Keluarga: Adakah saudara terdekat (ibu bapa, adik-beradik) mempunyai penyakit besar atau sejarah penyakit
```

genetik?\nLain-lain.',

placeholderLifestyle: 'Tabiat Hidup: Merokok? (Sudah berapa lama, berapa sehari) Minum alkohol? (Kekerapan dan jumlah) Bagaimana tidur?\nDiet dan Senaman: Keutamaan diet harian, tabiat senaman.\nPekerjaan dan Persekitaran: Apa pekerjaan anda? Adakah pendedahan persekitaran khas baru-baru ini (seperti bahan kimia, habuk, haiwan peliharaan, sejarah perjalanan)?\nPesakit Wanita: Sejarah haid (kitaran, jumlah, haid terakhir), sejarah perkahwinan dan bersalin.\nLain-lain.',

placeholderVisits: 'Sebelum lawatan ini, adakah anda pernah diperiksa di tempat lain? Ujian apa yang dilakukan?\nAdakah pernah menjalani pembedahan? Pembedahan apa?\nAdakah sudah menggunakan ubat? Ubat apa, bagaimana keputusannya?\nLain-lain.',

placeholderQuestions: 'Apakah masalah saya? Adakah ia serius?\nUjian apa yang diperlukan untuk menjelaskan? Mengapa ujian ini diperlukan?\nApakah pilihan rawatan semasa? Apakah kelebihan dan kekurangan masing-masing?\nApa yang perlu diberi perhatian dalam kehidupan dan diet?',

overallAssessment: 'I. Penilaian Keseluruhan dan Kesimpulan Teras',

detailedInterpretation: 'II. Tafsiran Hasil Terperinci, Keabnormalan Utama dan Kepentingan Klinikal',

comprehensiveAnalysis: 'III. Analisis Komprehensif dan Cadangan',

analysis: '(1) Analisis Komprehensif',

recommendations: '(2) Cadangan Terperinci',

basicKnowledge: 'IV. PETUA: Pengetahuan Asas Berkaitan Aduan Utama',

differenceAmongAIs: 'Analisis Perbezaan Keputusan Diagnosis Pelbagai AI',

disclaimer: 'Penafian',

disclaimerText: 'Laporan diagnosis ini disediakan oleh DR SUN YATSEN, hasilnya hanya untuk rujukan dan tidak menanggung sebarang risiko dan tanggungjawab undang-undang.',

errorNoChiefComplaint: 'Sila isi maklumat aduan utama',

errorNoAI: 'Sila pilih sekurang-kurangnya satu model AI',

errorNoAPIKey: 'Sila masukkan kunci API untuk model AI yang dipilih',

errorInvalidAPIKey: 'Kunci API tidak sah atau ralat rangkaian, sila semak dan cuba lagi',

errorMissingRequired: 'Sila isi semua medan yang diperlukan (umur, berat badan, tinggi, tekanan darah)',

successSubmit: 'Laporan diagnosis berjaya dijana!',

reportTitle: 'Laporan Diagnosis Perubatan DR SUN YATSEN',

singleAIReport: 'Laporan Diagnosis AI Tunggal',

multipleAIReport: 'Laporan Diagnosis Komprehensif Pelbagai AI',

aiDiagnosis: 'Diagnosis AI',

similarities: 'Persamaan',

differences: 'Perbezaan',

agreement: 'Persetujuan',

conflict: 'Percanggahan',

patientInfo: 'Maklumat Pesakit',

gender: 'Jantina',

age: 'Umur',

weight: 'Berat Badan',

height: 'Tinggi',

bmi: 'BMI',

bloodPressure: 'Tekanan Darah',

chiefComplaint: 'Aduan Utama',

medicalReports: 'Analisis Laporan Perubatan',

fileContent: 'Ringkasan Kandungan Laporan',

generatedTime: 'Masa Dijana',

fileAnalysis: 'Analisis Fail'

},

// Thai (泰语)

th: {

languageLabel: 'ภาษาไทย',

mainTitle: 'DR SUN YATSEN',
 mainSubtitle: 'คลินิกการแพทย์ที่ใช้ AI',
 sectionI: 'I. ข้อมูลพื้นฐานของคุณ',
 sectionII: 'II. อาการสำคัญของคุณ',
 sectionIII: 'III. สถานะสุขภาพและประวัติทางการแพทย์ของคุณ',
 sectionIV: 'IV. วิถีชีวิตส่วนตัวและสภาพแวดล้อม',
 sectionV: 'V. การตรวจรักษาและการตรวจสอบทางการแพทย์',
 sectionVI: 'VI. คำถามเพิ่มเติมที่คุณต้องการทราบ',
 sectionVII: 'VII. รายงานผลการตรวจทางห้องปฏิบัติการหรือภาพถ่ายทางการแพทย์',
 sectionVIII: 'VIII. เลือกโมเดล AI',
 labelGender: 'เพศ',
 optMale: 'ชาย',
 optFemale: 'หญิง',
 labelAge: 'อายุ',
 labelWeight: 'น้ำหนัก (kg)',
 labelHeight: 'ส่วนสูง (cm)',
 labelBpSystolic: 'ความดันโลหิตตัวบน (mmHg)',
 labelBpDiastolic: 'ความดันโลหิตตัวล่าง (mmHg)',
 labelRestingHr: 'อัตราการเต้นหัวใจขณะพัก (ครั้ง/นาที)',
 labelDeepseekKey: 'DeepSeek API Key',
 labelGptKey: 'OpenAI API Key',
 labelGeminiKey: 'Gemini API Key',
 infoChiefComplaint: 'นี่คือปัญหาที่สำคัญที่สุด ยิ่งอธิบายชัดเจนมากเท่าไรยิ่งดี',
 infoHealth: 'กรุณาอย่าปิดบังสถานะสุขภาพและประวัติทางการแพทย์ของคุณ (โดยเฉพาะประวัติการผ่าตัดและโรคติดเชื้อ) สิ่งนี้สำคัญมากต่อการวินิจฉัย',
 infoLifestyle: 'สิ่งเหล่านี้เป็นปัจจัยกระตุ้นหรือปัจจัยที่มีผลต่อโรคหลายชนิด
 กรุณาอย่าปิดบังวิถีชีวิตส่วนตัวและสภาพแวดล้อมของคุณ สิ่งนี้สำคัญมากต่อการวินิจฉัย',
 infoExaminations: 'กรุณาอย่าปิดบังการตรวจรักษาและการตรวจสอบทางการแพทย์ของคุณ สิ่งนี้สำคัญมากต่อการวินิจฉัย',
 infoLifestyle: 'สิ่งเหล่านี้เป็นปัจจัยกระตุ้นหรือปัจจัยที่มีผลต่อโรคหลายชนิด
 กรุณาอย่าปิดบังวิถีชีวิตส่วนตัวและสภาพแวดล้อมของคุณ สิ่งนี้สำคัญมากต่อการวินิจฉัย',
 infoExaminations: 'กรุณาอย่าปิดบังการตรวจรักษาและการตรวจสอบทางการแพทย์ของคุณ สิ่งนี้สำคัญมากต่อการวินิจฉัย',
 labelFiles: 'หากมีรายงานการตรวจทางสรีรวิทยาและชีวเคมี รายงานภาพถ่ายทางการแพทย์ ในตรวจสุขภาพ เป็นต้น ที่ผ่านมาหรือล่าสุด (รูปภาพหรือไฟล์: รูปแบบ txt, docx, pdf, jpg, png ฯลฯ) สามารถอัปโหลดพร้อมกันได้ (สามารถอัปโหลดหลายไฟล์พร้อมกัน)',
 apiKeyInfo: 'วิธีรับ AI API Key:',
 btnSubmit: 'ส่ง',
 btnReset: 'ล้างข้อมูล',
 btnDownload: 'ดาวน์โหลดรายงาน',
 loadingText: 'กำลังประมวลผลข้อมูลทางการแพทย์ของคุณ...',
 placeholderChief: 'รู้สึกไม่สบายที่ไหน? บริเวณไหนเป็นการเฉพาะ? \nความไม่สบายนี้เป็นอย่างไร? เป็นการปวด (ปวดแปลบ ปวดบวม ปวดแบบคล้ายตาม?) คั้น ขา เมื่อย แสบร้อนกลางอก เวียนศีรษะ? \nเริ่มเมื่อไหร่? วันไหนกันแน่ เป็นแบบกะทันหันหรือค่อยๆ เกิดขึ้น? \nเป็นมานานแค่ไหน? เป็นตลอดเวลาหรือเป็นเป็นพักๆ \nมีรูปแบบอะไรไหม? เช่น หนักขึ้นเมื่อไหร่ (กลางวัน/กลางคืน หลังอาหาร/ท้องว่าง หลังออกกำลังกาย/ตอนพักผ่อน) บรรเทาลงเมื่อไหร่? \nรุนแรงแค่ไหน? หากใช้คะแนน 1-10 (10 คือหนักที่สุด) คุณให้กี่คะแนน? ส่งผลการนอนหลับ การทำงาน และชีวิตประจำวันไหม? \nมีอาการอื่นๆ ที่เกิดขึ้นพร้อมกันไหม? เช่น มีไข้ ไอ คลื่นไส้ อาเจียน ท้องเสีย เหงื่อออก ใจสั่น ฯลฯ? \nปัญหาอื่นๆ ที่ต้องชี้แจง',
 placeholderHealth: 'ประวัติการเจ็บป่วย: เคยเป็นโรคสำคัญอะไรบ้างในอดีต? (เช่น ความดันโลหิตสูง เบาหวาน โรคหัวใจ ตับอักเสบ วัณโรค ประวัติการผ่าตัด ประวัติการบาดเจ็บ ฯลฯ) \nประวัติการใช้ยา: ขณะนี้กำลังรับประทานยาอะไรบ้าง (รวมถึงยาตามใบสั่งแพทย์ ยาที่ไม่ต้องมีใบสั่งแพทย์ ผลิตภัณฑ์เสริมสุขภาพ สมุนไพรจีน)? แพทย์หรืออาหารอะไรบ้าง? \nประวัติครอบครัว: ญาติสายตรง (พ่อแม่ พี่น้อง) มีโรคสำคัญหรือโรคทางพันธุกรรมไหม? \nอื่นๆ',
 placeholderLifestyle: 'นิสัยการใช้ชีวิต: สูบบุหรี่ไหม? (นานแค่ไหน วันละเท่าไร) ดื่มแอลกอฮอล์ไหม? (ความถี่และปริมาณ) การนอนหลับเป็นอย่างไร? \nอาหารและการออกกำลังกาย: ความชอบด้านอาหารประจำวัน นิสัยการออกกำลังกาย \nอาชีพและสภาพแวดล้อม: ทำงานอะไร? เมื่อเร็วๆ นี้มีการสัมผัสกับสภาพแวดล้อมพิเศษไหม (เช่น สารเคมี

ฝน สัตว์เลี้ยง ประวัติการเดินทาง)?\nผู้ป่วยหญิง: ประวัติการมีประจำเดือน (วงจร ปริมาณ ประจำเดือนครั้งสุดท้าย) ประวัติการสมรสและการมีบุตร\nอื่นๆ',

placeholderVisits: 'ก่อนการตรวจครั้งนี้ เคยตรวจที่อื่นไหม? เคยทำการตรวจอะไรบ้าง?\nเคยผ่าตัดไหม? ผ่าตัดอะไรบ้าง?\nเคยใช้ยาแล้วไหม? ใช้ยาอะไร ผลเป็นอย่างไร?\nอื่นๆ',

placeholderQuestions: 'ฉันอาจจะเป็นปัญหาอะไร? ร้ายแรงไหม?\nจำเป็นต้องทำการตรวจอะไรบ้างเพื่อยืนยัน? ทำไมจึงต้องทำการตรวจเหล่านี้?\nขณะนี้มียาการรักษาอะไรบ้าง?

ข้อดีและข้อเสียของแต่ละวิธีคืออะไร?\nจำเป็นต้องใส่ใจเรื่องอะไรในชีวิตและอาหารการกิน?',

overallAssessment: 'หนึ่ง การประเมินโดยรวมและข้อสรุปหลัก',

detailedInterpretation: 'สอง การตีความผลลัพธ์โดยละเอียด ความผิดปกติหลักและความหมายทางคลินิก',

comprehensiveAnalysis: 'สาม การวิเคราะห์และข้อเสนอแนะที่ครอบคลุม',

analysis: '(1) การวิเคราะห์ที่ครอบคลุม',

recommendations: '(2) ข้อเสนอแนะโดยละเอียด',

basicKnowledge: 'สี่ เคล็ดลับ: ความรู้พื้นฐานที่เกี่ยวข้องกับอาการสำคัญ',

differenceAmongAIs: 'การวิเคราะห์ความแตกต่างระหว่างผลการวินิจฉัยจาก AI หลายตัว',

disclaimer: 'ข้อจำกัดความรับผิดชอบ',

disclaimerText: 'รายงานการวินิจฉัยนี้จัดทำโดย DR SUN YATSEN ผลลัพธ์เป็นเพียงข้อมูลอ้างอิงเท่านั้น ไม่รับประกันความปลอดภัยและความรับผิดชอบทางกฎหมายใดๆ',

errorNoChiefComplaint: 'กรุณากรอกข้อมูลอาการสำคัญ',

errorNoAI: 'กรุณาเลือกโมเดล AI อย่างน้อยหนึ่งตัว',

errorNoAPIKey: 'กรุณาใส่ API Key สำหรับโมเดล AI ที่เลือก',

errorInvalidAPIKey: 'API Key ไม่ถูกต้องหรือมีข้อผิดพลาดทางเครือข่าย กรุณาตรวจสอบแล้วลองอีกครั้ง',

errorMissingRequired: 'กรุณากรอกข้อมูลที่จำเป็นทั้งหมด (อายุ น้ำหนัก ส่วนสูง ความดันโลหิต)',

successSubmit: 'สร้างรายงานการวินิจฉัยสำเร็จ!',

reportTitle: 'รายงานการวินิจฉัยทางการแพทย์ DR SUN YATSEN',

singleAIReport: 'รายงานการวินิจฉัยจาก AI เดียว',

multipleAIReport: 'รายงานการวินิจฉัยรวมจากหลาย AI',

aiDiagnosis: 'การวินิจฉัยด้วย AI',

similarities: 'จุดเหมือนกัน',

differences: 'จุดแตกต่าง',

agreement: 'ความสอดคล้อง',

conflict: 'ความขัดแย้ง',

patientInfo: 'ข้อมูลผู้ป่วย',

gender: 'เพศ',

age: 'อายุ',

weight: 'น้ำหนัก',

height: 'ส่วนสูง',

bmi: 'BMI',

bloodPressure: 'ความดันโลหิต',

chiefComplaint: 'อาการสำคัญ',

medicalReports: 'การวิเคราะห์รายงานทางการแพทย์',

fileContent: 'สรุปเนื้อหารายงาน',

generatedTime: 'เวลาที่สร้าง',

fileAnalysis: 'การวิเคราะห์ไฟล์'

},

// Filipino (Filipino)

fil: {

languageLabel: 'Wika',

mainTitle: 'DR SUN YATSEN',

mainSubtitle: 'Medikal na Klinika na Batay sa AI',

sectionI: 'I. Ang Iyong Pangunahing Impormasyon',

sectionII: 'II. Ang Iyong Pangunahing Reklamo',

sectionIII: 'III. Ang Iyong Kalagayan ng Kalusugan at Kasaysayan ng Medikal',
 sectionIV: 'IV. Personal na Pamumuhay at Kapaligiran',
 sectionV: 'V. Medikal na Pagbisita at Pagsusuri',
 sectionVI: 'VI. Mga Karagdagang Tanong na Nais Mong Malaman',
 sectionVII: 'VII. Mga Ulat ng Pagsusuri sa Laboratoryo o Imahe',
 sectionVIII: 'VIII. Pumili ng AI Model',
 labelGender: 'Kasarian',
 optMale: 'Lalaki',
 optFemale: 'Babae',
 labelAge: 'Edad',
 labelWeight: 'Timbang (kg)',
 labelHeight: 'Taas (cm)',
 labelBpSystolic: 'Systolic Blood Pressure (mmHg)',
 labelBpDiastolic: 'Diastolic Blood Pressure (mmHg)',
 labelRestingHr: 'Pahingang tibok ng puso (bpm)',
 labelDeepseekKey: 'DeepSeek API Key',
 labelGptKey: 'OpenAI API Key',
 labelGeminiKey: 'Gemini API Key',
 infoChiefComplaint: 'Ito ang pinakamahalagang isyu; mas malinaw ang paglalarawan mas mabuti.',
 infoHealth: 'Huwag itago ang iyong kalagayan ng kalusugan at kasaysayan ng medikal (lalo na kasaysayan ng operasyon at nakakahawang sakit) ito ay napakahalaga para sa diagnosis',
 infoLifestyle: 'Ito ay mga trigger o impluwensyang salik ng maraming sakit. Huwag itago ang iyong personal na pamumuhay at kapaligiran; ito ay napakahalaga para sa diagnosis.',
 infoExaminations: 'Huwag itago ang iyong medikal na pagbisita at pagsusuri; ito ay napakahalaga para sa diagnosis.',
 labelFiles: 'Kung mayroon kang dating o kamakailang ulat ng physiological at biochemical na pagsusuri, ulat ng imahe, health examination form, atbp. (mga larawan o file; txt, docx, pdf, jpg, png at iba pang format) maaaring i-upload nang sabay-sabay (maaaring mag-upload ng maraming file nang sabay)',
 apiKeyInfo: 'Paano kumuha ng AI API Key:',
 btnSubmit: 'Isumite',
 btnReset: 'Burahin',
 btnDownload: 'I-download ang Ulat',
 loadingText: 'Pinoproseso ang iyong medikal na impormasyon...',
 placeholderChief: 'Saan ka hindi komportable? Alin ang tiyak na bahagi?\nAno ang uri ng diskomport? Ito ba ay sakit (matulis, namaga, malumanay?) kati, manhid, masakit, nasusunog, nahihilo?\nKailan nagsimula? Anong araw ba talaga, bigla bang nangyari o unti-unting lumitaw?\nGaano na katagal? Tuloy-tuloy ba o pana-panahon?\nMayroon bang pattern? Halimbawa, kailan lumala (araw/gabi, pagkatapos kumain/gutom, pagkatapos mag-ehersisyo/pahinga) kailan guminhawa?\nGaano kalala? Kung gagamitin ang 1-10 na puntos (10 ang pinakamabigat) ilang puntos mo ibibigay? Nakakaapekto ba ito sa tulog, trabaho at pang-araw-araw na buhay?\nMay kasamang ibang sintomas? Halimbawa lagnat, ubo, pagduduwal, pagsusuka, pagtatae, pawis, palpitasyon atbp.?\nIba pang mga isyung kailangang ipaliwanag.',
 placeholderHealth: 'Kasaysayan ng nakaraang sakit: Anong malalaking sakit ang naranasan mo noon? (tulad ng mataas na presyon ng dugo, diabetes, sakit sa puso, hepatitis, tuberculosis, kasaysayan ng operasyon, kasaysayan ng pinsala atbp.)\nKasaysayan ng gamot: Anong gamot ang iniinom mo ngayon (kabilang ang mga reseta, walang reseta, supplement, Chinese herbal medicine)? Mayroon bang alerdyi sa gamot o pagkain?\nKasaysayan ng pamilya: Ang mga direktang kamag-anak (magulang, kapatid) ba ay may malalaking sakit o hereditary na sakit?\nIba pa.',
 placeholderLifestyle: 'Mga gawi sa pamumuhay: Naninigarilyo ba? (gaano na katagal, ilan bawat araw) umiinom ng alak? (dalas at dami) Kumusta ang tulog?\nPagkain at ehersisyo: Paboritong pagkain araw-araw, gawi sa pag-ehersisyo.\nTrabaho at kapaligiran: Anong trabaho? Kamakailang may espesyal na kapaligiran na nalantad (tulad ng mga kemikal, alikabok, alaga, kasaysayan ng paglalakbay)?\nBabaeng pasyente: Kasaysayan ng regla (cycle, dami, huling regla) kasaysayan ng kasal at pagkakaroon ng anak.\nIba pa.',
 placeholderVisits: 'Bago ang pagbisitang ito, pumunta ba sa ibang lugar? Anong mga pagsusuri ang ginawa?\nNagkaroon ba ng operasyon? Anong mga operasyon?\nGumamit na ba ng gamot? Anong gamot ginamit, ano ang resulta?\nIba pa.',
 placeholderQuestions: 'Ano ba ang posibleng problema ko? Malala ba ito?\nAnong mga pagsusuri ang kailangan para

malaman? Bakit kailangan gumawa ng mga pagsusuring ito? Ano ang kasalukuyang mga paraan ng paggamot? Ano ang mga benepisyo at disbentaha ng bawat isa? Ano ang dapat bigyang pansin sa pamumuhay at pagkain?',

overallAssessment: 'Una, Pangkalahatang Pagsusuri at Pangunahing Konklusyon',

detailedInterpretation: 'Ikalawa, Detalyadong Interpretasyon ng Resulta, Pangunahing Abnormalidad at Kahulugan sa Klinika',

comprehensiveAnalysis: 'Ikatlo, Komprehensibong Pagsusuri at Rekomendasyon',

analysis: '(1) Komprehensibong Pagsusuri',

recommendations: '(2) Detalyadong Rekomendasyon',

basicKnowledge: 'Ikaapat, TIPS: Pangunahing Kaalaman na May Kaugnayan sa Pangunahing Reklamo',

differenceAmongAIs: 'Pagsusuri ng Pagkakaiba sa Maraming AI Diagnosis',

disclaimer: 'Disclaimer',

disclaimerText: 'Ang ulat ng diagnosis na ito ay binigay ng DR SUN YATSEN, ang resulta ay para lamang sa sanggunian, hindi tumatanggap ng anumang legal na panganib at responsibilidad.',

errorNoChiefComplaint: 'Mangyaring punan ang pangunahing reklamo',

errorNoAI: 'Mangyaring pumili ng kahit isang AI model',

errorNoAPIKey: 'Mangyaring ilagay ang API Key para sa napiling AI model',

errorInvalidAPIKey: 'Hindi wasto ang API Key o may error sa network, mangyaring suriin at subukan muli',

errorMissingRequired: 'Mangyaring punan ang lahat ng kinakailangang item (edad, timbang, taas, presyon ng dugo)',

successSubmit: 'Matagumpay na nabuo ang ulat ng diagnosis!',

reportTitle: 'DR SUN YATSEN Ulat ng Medikal na Diagnosis',

singleAIReport: 'Ulat ng Diagnosis mula sa Isang AI',

multipleAIReport: 'Pinagsama-samang Ulat ng Diagnosis mula sa Maraming AI',

aiDiagnosis: 'AI Diagnosis',

similarities: 'Pagkakapareho',

differences: 'Pagkakaiba',

agreement: 'Pagsang-ayon',

conflict: 'Hindi Pagkakasundo',

patientInfo: 'Impormasyon ng Pasyente',

gender: 'Kasarian',

age: 'Edad',

weight: 'Timbang',

height: 'Taas',

bmi: 'BMI',

bloodPressure: 'Presyon ng Dugo',

chiefComplaint: 'Pangunahing Reklamo',

medicalReports: 'Pagsusuri ng Medikal na Ulat',

fileContent: 'Buod ng Nilalaman ng Ulat',

generatedTime: 'Oras ng Pagbuo',

fileAnalysis: 'Pagsusuri ng File'

},

// Burmese (缅甸语)

my: {

languageLabel: 'မြန်မာဘာသာ',

mainTitle: 'DR SUN YATSEN',

mainSubtitle: 'AI ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ',

sectionI: 'I. ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ',

sectionII: 'II. ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ',

sectionIII: 'III. ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ',

sectionIV: 'IV. ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ',

sectionV: 'V. ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ',

sectionVI: 'VI. ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ ဖြစ်နိုင်ခြေ',

placeholderLifestyle: ' : () \n :
placeholderVisits: ' \n ;
placeholderQuestions: ' / \n \n ;
overallAssessment: ' ;
detailedInterpretation: ' ;
comprehensiveAnalysis: ' ;
analysis: '() ;
recommendations: '() ;
basicKnowledge: ' TIPS: ;
differenceAmongAIs: ' AI ;
disclaimer: ' ;
disclaimerText: ' DR SUN YATSEN ;
errorNoChiefComplaint: ' ;
errorNoAI: ' AI ;
errorNoAPIKey: ' API API ;
errorInvalidAPIKey: ' API ;
errorMissingRequired: ' () ;
successSubmit: ' ! ;
reportTitle: ' DR SUN YATSEN ;
singleAIReport: ' AI ;
multipleAIReport: ' AI ;
aiDiagnosis: ' AI ;
similarities: ' ;
differences: ' ;
agreement: ' ;

placeholderChief: 'Var känner du obehag? Vilken del av kroppen?\nHur känns det? Smärta (stickande, tryckande, dov?), klåda, domningar, sveda, yrsel?\nNär började det? Plötsligt eller gradvis?\nHur länge har det pågått? Konstant eller intermittent?\nFinns mönster? När förvärras det (dag/natt, efter måltid, vila/aktivitet)?\nHur allvarligt (1-10)? Påverkar det sömn, arbete, vardagsliv?\nFöljs det av andra symptom (feber, hosta, illamående, svettning, hjärtklappning)?\nAnnat viktigt att nämna?',

placeholderHealth: 'Sjukdomshistoria: Har du haft allvarliga sjukdomar (högt blodtryck, diabetes, hjärtproblem, hepatit, tuberkulos, operationer, skador)?\nMedicinering: Vilka läkemedel tar du nu (recept, receptfria, kosttillskott, traditionell medicin)?\nAllergier?\nFamijehistoria: Har dina nära släktingar allvarliga sjukdomar eller ärftliga sjukdomar?\nAnnat.',

placeholderLifestyle: 'Levvanor: Röker du? Hur länge, hur mycket dagligen? Dricker du alkohol? Hur ofta och hur mycket?\nMat och motion: Kostpreferenser och motionsvanor.\nArbete och miljö: Yrke, miljöexponering (kemikalier, damm, husdjur, resor)?\nKvinnor: Menstruationscykel, graviditetshistoria.\nAnnat.',

placeholderVisits: 'Har du besökt annan vård för detta? Vilka undersökningar gjordes?\nHar du genomgått operationer? Vilka?\nHar du tagit mediciner? Vilka, och effekten?\nAnnat.',

placeholderQuestions: 'Vad kan felet vara? Är det allvarligt?\nVilka undersökningar behövs och varför?\nVilka behandlingar finns? Fördelar och nackdelar?\nVad ska jag tänka på i vardag och kost?',

overallAssessment: '1. Övergripande bedömning och huvudslutsats',

detailedInterpretation: '2. Detaljerad resultatförklaring, huvudavvikelser och klinisk betydelse',

comprehensiveAnalysis: '3. Samlad analys och rekommendationer',

analysis: '(1) Samlad analys',

recommendations: '(2) Detaljerade rekommendationer',

basicKnowledge: '4. Tips: Grundläggande kunskap relaterad till symptomen',

differenceAmongAIs: 'Jämförelse av resultat mellan olika AI-diagnoser',

disclaimer: 'Ansvarsfriskrivning',

disclaimerText: 'Denna diagnosrapport ges av DR SUN YATSEN och är endast till för referens, inga juridiska ansvar tas.',

errorNoChiefComplaint: 'Vänligen fyll i huvudklagomålet',

errorNoAI: 'Välj minst en AI-modell',

errorNoAPIKey: 'Ange API-nycklar för valda AI-modeller',

errorInvalidAPIKey: 'Ogiltig API-nyckel eller nätverksfel, kontrollera och försök igen',

errorMissingRequired: 'Fyll i alla obligatoriska fält (ålder, vikt, längd, blodtryck)',

successSubmit: 'Diagnosrapporten har skapats!',

reportTitle: 'DR SUN YATSEN medicinsk diagnosrapport',

singleAIReport: 'Enskild AI-diagnosrapport',

multipleAIReport: 'Samlad rapport från flera AI-diagnoser',

aiDiagnosis: 'AI-diagnos',

similarities: 'Likheter',

differences: 'Skillnader',

agreement: 'Överensstämmelse',

conflict: 'Oenighet',

patientInfo: 'Patientinformation',

gender: 'Kön',

age: 'Ålder',

weight: 'Vikt',

height: 'Längd',

bmi: 'BMI',

bloodPressure: 'Blodtryck',

chiefComplaint: 'Huvudklagomål',

medicalReports: 'Medicinska rapporter och analyser',

fileContent: 'Rapportinnehållssammanfattning',

generatedTime: 'Skapat den',

fileAnalysis: 'Filanalys'

},

//Greek (el):

```

el: {
  languageLabel: 'Γλώσσα',
  mainTitle: 'ΔΡ SUN YATSEN',
  mainSubtitle: 'ΙΑΤΡΕΙΟ ΒΑΣΙΣΜΕΝΟ ΣΕ AI',
  sectionI: 'I. Βασικά στοιχεία σας',
  sectionII: 'II. Κύριο αίτημα',
  sectionIII: 'III. Κατάσταση υγείας και ιατρικό ιστορικό',
  sectionIV: 'IV. Προσωπικός τρόπος ζωής και περιβάλλον',
  sectionV: 'V. Ιατρικές επισκέψεις και εξετάσεις',
  sectionVI: 'VI. Επιπλέον ερωτήσεις που θέλετε να απαντηθούν',
  sectionVII: 'VII. Αποτελέσματα εργαστηριακών ή απεικονιστικών εξετάσεων',
  sectionVIII: 'VIII. Επιλογή μοντέλου AI',
  labelGender: 'Φύλο',
  optMale: 'Ανδρας',
  optFemale: 'Γυναίκα',
  labelAge: 'Ηλικία',
  labelWeight: 'Βάρος (kg)',
  labelHeight: 'Υψος (cm)',
  labelBpSystolic: 'Συστολική πίεση (mmHg)',
  labelBpDiastolic: 'Διαστολική πίεση (mmHg)',
  labelRestingHr: 'Καρδιακός ρυθμός ηρεμίας (bpm)',
  labelDeepseekKey: 'Κλειδί API DeepSeek',
  labelGptKey: 'Κλειδί API OpenAI',
  labelGeminiKey: 'Κλειδί API Gemini',
  infoChiefComplaint: 'Αυτή είναι η πιο σημαντική ερώτηση. Περιγράψτε την όσο πιο καθαρά γίνεται.',
  infoHealth: 'Μην αποκρύπτετε την υγεία και το ιατρικό σας ιστορικό (ειδικά επεμβάσεις ή μεταδοτικές ασθένειες), είναι κρίσιμα για τη διάγνωση.',
  infoLifestyle: 'Οι παράγοντες τρόπου ζωής επηρεάζουν πολλές ασθένειες. Να είστε ειλικρινείς, βοηθά στη σωστή διάγνωση.',
  infoExaminations: 'Μην αποκρύπτετε προηγούμενες ιατρικές επισκέψεις ή εξετάσεις, είναι σημαντικό για τη διάγνωση.',
  labelFiles: 'Μπορείτε να ανεβάσετε παλιές ή πρόσφατες αναφορές εργαστηριακών εξετάσεων, απεικονιστικές εξετάσεις ή ιατρικά φύλλα (εικόνας ή αρχεία txt, docx, pdf, jpg, png κ.ά.)—μπορείτε να ανεβάσετε πολλά αρχεία ταυτόχρονα.',
  apiKeyInfo: 'Πώς να αποκτήσετε κλειδιά API για AI:',
  btnSubmit: 'Υποβολή',
  btnReset: 'Εκκαθάριση',
  btnDownload: 'Κατέβασμα Αναφοράς',
  loadingText: 'Επεξεργασία ιατρικών πληροφοριών...',
  placeholderChief: 'Πού νιώθετε την ενόχληση; Ποιο σημείο; \n Πώς είναι η δυσφορία; Πόνος (τροφερή, έντονη, ή επίμονη), κνησμός, μούδιασμα, κάψιμο, ζάλη; \n Πότε ξεκίνησε; Ξαφνικά ή σταδιακά; \n Πόσο καιρό διαρκεί; Συνεχής ή διαλείπων; \n Υπάρχουν πρότυπα; Πότε χειροτερεύει (μέρα/νύχτα, μετά το φαγητό/νηστεία, με δραστηριότητα/ξέκουραση); \n Βαθμός σοβαρότητας (1-10); Επηρεάζει τον ύπνο, δουλειά ή καθημερινότητα; \n Υπάρχουν άλλα συμπτώματα (πυρετός, βήχας, ναυτία, εμετός, διάρροια, εφίδρωση, παλμοί); \n Άλλα πληροφορίες;',
  placeholderHealth: 'Ιατρικό ιστορικό: Έχετε σοβαρές ασθένειες στο παρελθόν (π.χ. υπέρταση, διαβήτης, καρδιοπάθεια, ηπατίτιδα, φυματίωση, επεμβάσεις, τραυματισμοί); \n Φαρμακευτική αγωγή: Τι φάρμακα παίρνετε τώρα (συνταγογραφούμενα, μη συνταγογραφούμενα, συμπληρώματα, παραδοσιακά φάρμακα); \n Αλλεργίες σε φάρμακα ή τρόφιμα; \n Οικογενειακό ιστορικό: Υπάρχουν σοβαρές ασθένειες ή κληρονομικά προβλήματα σε συγγενείς; \n Άλλα.',
  placeholderLifestyle: 'Συνήθειες: Καπνίζετε; Πόσο καιρό και πόσο καθημερινά; Πίνετε αλκοόλ; Συχνότητα και ποσότητα; \n Διατροφή & άσκηση: Προτιμήσεις διατροφής και συνήθειες άσκησης

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ης.\nΕργασία και περιβάλλον: Τι δουλειά κάνετε; Έχετε πρόσφατες περιβαλλοντικές εκθέσεις (χημικά, σκόνη, κατοικίδια, ταξίδια);\nΓια γυναίκες: Ιστορικό περιόδου (κύκλος, ποσότητα, τελευταία έμμηνοος), εγκυμοσύνης.\nΑλλα.',

placeholderVisits: 'Πριν από αυτήν την επίσκεψη, επισκεφθήκατε άλλον ιατρό; Ποιες εξετάσεις έχετε κάνει;\nΥπήρξαν χειρουργικές επεμβάσεις; Ποιες;\nΧρησιμοποιήσατε φάρμακα; Ποια και ποιο αποτέλεσμά τους;\nΑλλα.',

placeholderQuestions: 'Τι μπορεί να έχω; Είναι σοβαρό;\nΤι εξετάσεις χρειάζονται και γιατί;\nΠοιες θεραπείες υπάρχουν, πλεονεκτήματα και μειονεκτήματα;\nΤι πρέπει να προσέχω στη ζωή και διατροφή;',

overallAssessment: '1. Γενική αξιολόγηση και βασικά συμπεράσματα',

detailedInterpretation: '2. Αναλυτική ερμηνεία αποτελεσμάτων, κύριες αποκλίσεις και κλινική σημασία',

comprehensiveAnalysis: '3. Συνολική ανάλυση και συστάσεις',

analysis: '(1) Συνολική ανάλυση',

recommendations: '(2) Λεπτομερείς συστάσεις',

basicKnowledge: '4. Συμβουλές: Βασικές γνώσεις σχετικές με το πρόβλημα',

differenceAmongAIs: 'Ανάλυση διαφορών ανάμεσα σε διαγνώσεις από πολλαπλές ΑΙ',

disclaimer: 'Αποποίηση ευθυνών',

disclaimerText: 'Αυτή η διαγνωστική έκθεση παρέχεται από τον DR SUN YATSEN και προσφέρεται μόνο για ενημερωτικούς σκοπούς. Δεν φέρουμε νομική ευθύνη.',

errorNoChiefComplaint: 'Παρακαλώ δώστε το κύριο αίτημα',

errorNoAI: 'Επλέξετε τουλάχιστον ένα μοντέλο ΑΙ',

errorNoAPIKey: 'Παρακαλώ εισάγετε το API κλειδί για το επιλεγμένο μοντέλο ΑΙ',

errorInvalidAPIKey: 'Μη έγκυρο API κλειδί ή σφάλμα δικτύου. Ελέγξτε και δοκιμάστε ξανά',

errorMissingRequired: 'Συμπληρώστε όλα τα υποχρεωτικά πεδία (ηλικία, βάρος, ύψος, πίεση)',

successSubmit: 'Η διαγνωστική έκθεση δημιουργήθηκε με επιτυχία!',

reportTitle: 'Διαγνωστική Έκθεση DR SUN YATSEN',

singleAIReport: 'Έκθεση διαγνωστικής ΑΙ μοντέλου',

multipleAIReport: 'Συνολική αναφορά πολλών ΑΙ διαγνώσεων',

aiDiagnosis: 'Διάγνωση ΑΙ',

similarities: 'Ομοιότητες',

differences: 'Διαφορές',

agreement: 'Συμφωνία',

conflict: 'Διαφωνία',

patientInfo: 'Πληροφορίες ασθενούς',

gender: 'Φύλο',

age: 'Ηλικία',

weight: 'Βάρος',

height: 'Υψος',

bmi: 'ΔΜΣ',

bloodPressure: 'Αρτηριακή πίεση',

chiefComplaint: 'Κύριο αίτημα',

medicalReports: 'Ανάλυση ιατρικών αναφορών',

fileContent: 'Περιληψη περιεχομένου αναφοράς',

generatedTime: 'Παραγόμενο χρονικό σημείο',

fileAnalysis: 'Ανάλυση αρχείου',

},

//Amharic (am)

am: {

languageLabel: "ቋንቋ",

mainTitle: "DR SUN YATSEN",

mainSubtitle: "በAI የተመሠረተ የሕክምና ክሊኒክ",

sectionI: "I. የእርስዎ መሠረታዊ መረጃ",
 sectionII: "II. ዋና እንግዳ ጉዳይዎ",
 sectionIII: "III. የጤና ሁኔታና የታሪክ መረጃዎ",
 sectionIV: "IV. የግል ኑሮ እና አካባቢ",
 sectionV: "V. የሕክምና ጥናቶችና ምርመራዎች",
 sectionVI: "VI. የተጨማሪ ጥያቄዎች እንደሚፈልጉት",
 sectionVII: "VII. ምርመራ መረጃዎች ወይም ምስል ሪፖርቶች",
 sectionVIII: "VIII. የAI ሞዴል ምርጫ",
 labelGender: "ጾታ",
 optMale: "ወንድ",
 optFemale: "ሴት",
 labelAge: "እድሜ",
 labelWeight: "ክብደት (ኪ.ግ)",
 labelHeight: "ከፍታ (ሴ.ሜ)",
 labelBpSystolic: "ስነ-ቶሊክ ደም ግፊት (ሚ.ሜ ኢችግ)",
 labelBpDiastolic: "ዲያስቶሊክ ደም ግፊት (ሚ.ሜ ኢችግ)",
 labelRestingHr: 'የማረፊያ ልብ ምት (bpm)',
 labelDeepseekKey: "DeepSeek API ቁልፍ",
 labelGptKey: "OpenAI API ቁልፍ",
 labelGeminiKey: "Gemini API ቁልፍ",
 infoChiefComplaint: "ይህ እጅግ አስፈላጊ ጥያቄ ነው፤ በግልጽ ሁኔታ መግለጽ ይሻላል።",
 infoHealth: "የጤና ሁኔታዎንና ታሪክዎን (ልዩነቶች ማስታወሻዎችን እና በተለይ እንደ ቀድሞ ስልጠናና በሽታዎችን) አትገለጹም አይደለም፤ ከፍተኛ ተጽዕኖ ላይ ነው።",
 infoLifestyle: "እነዚህ ብዙ ሕመሞች የሚነሱ ወይም የሚጎዳቸው ነገሮች ናቸው። የግል ኑሮንና አካባቢ አትደቃቁሙ፤ ይህም በትክክለኛ ምርመራ እጅግ አስፈላጊ ነው።",
 infoExaminations: "የሕክምና ጥናቶችን እና ምርመራዎችን አትደቃቁሙ፤ ይህ በትክክለኛ ምርመራ አስፈላጊ ነው።",
 labelFiles: "የቀድሞ ወይም ቅርብ ጊዜ ያሉ ሕክምናና ባዮኬሚካል ምርመራዎች፣ ምስል ሪፖርቶች፣ ጤና ምርመራ ሰነዶች (ፎቶ ወይም ፋይሎች; txt, docx, pdf, jpg, png የሚሉ ቅርጾች ተከታታይ) ማስገባት ይችላሉ (ብዙ ነጠላን ማስገባት ይቻላል)",
 apiKeyInfo: "AI API ቁልፍ እንዴት እንደሚሰጥ:",
 btnSubmit: "አስገባ",
 btnReset: "አጽዳ",
 btnDownload: "ሪፖርት አውርድ",
 loadingText: "የሕክምና መረጃዎን እየሰራ ነው...",
 placeholderChief: "የት እስረኛ ነው? በትክክል የት ክፍል ነው? \nይህ ችግር እንዴት ነው? ህመም (ቀዝቃዛ፣ ፍስሃ፣ እምብት፣ መጠጊያ፣ ቁስል፣ የራስ ቀዝቃዛና ስምንት ድንጋጤዎች)? \nመቼ ጀምሯል? አንድ ቀን ነው ወይም በቀስት ተጨማሪ ነው? \nበረዘም ጊዜ ነው? ቀጥሎ ነው ወይም እንደ ተነሳሽ? \nምን ዓይነት ነው? ለምሳሌ በቀን/ሌሊት፣ በምግብ በፊት/በክፍለ-ትንሽነት፣ በእንቅልፍ በፊት/ከሥራ በኋላ የሚጨምር/የሚቀንስ ነው? \nበደረሰው ደረጃ? ከ1-10 ያህል ውስጥ ምን ያህል? እንቅልፍን፣ ስራንና የቀረ ሕይወትን ያጣት? \nበሌሎች ምልክቶች አሉ? ለምሳሌ ሙቀት፣ እሳት ታጠብ፣ መታጠፍ፣ መቃጠል፣ ልማት ማለት። \nበሌሎች እንደተገለጹ ያለው ጉዳይ።",
 placeholderHealth: "የታሪክ ደረጃ: የድሮ ህመም ምን ነበር? (እንደ የደም ግፊት፣ በስኳር በሽታ፣ በልብ በሽታ፣ በጉምብስ፣ በሆድ በሽታ፣ በቀድሞ ሥልጠና፣ ጉዳት ታሪክ ወዘተ) \nበመድሀኒት ታሪክ: አሁን ምን መድሀኒት እየተጠቀሙ ነው (የተዘዋዋሪ እና ያልተዘዋዋሪ መድሀኒት እና ባህሪ መጠጣጣት)። \nበቤተሰብ ታሪክ: ቀጣይ አባቶችና ወንድሞች እንዲሁም ሌሎች የህብረተሰብ ህመሞች አሉ? \nበሌሎች።",
 placeholderLifestyle: "የኑሮ ልምዶች: ሽቦ ትጠጣለህ? (ስሙቶ ጊዜ መጠጣት፣ በየቀኑ ምን ያህል) መጠጥ ትጠጣለህ? (ስፋት እና የመጠጥ መጠን) እንቅልፍ እንዴት ነው? \nበምግብ እና እንቅስቃሴ: የቀንአችን ምግብ ምርጫና የሥራ ንስሐ \nበሙያ እና አካባቢ: የምንሰራው ምን ነው? ቅርብ ጊዜ በአካባቢ የሚከሰቱ የህወሓት እና ነገሮች (እንደ ኬሚካሎች፣ ጭቃ፣ እንስሳት፣ ጉዞ ታሪክ) አሉ? \nበሴት ታካሚዎች: የወሊድ ታሪክ (የእድሜ ወቅት፣ መጠን፣ የመጨረሻው ወሊድ)፣ የጋብቻ እና የልጅ ታሪክ \nበሌሎች።",
 placeholderVisits: "በዚህ ጊዜ ቀድሞ በሌላ ቦታ ትገናኛላችሁ? ምን ምርመራ አደረጉ? \nበተግባር አደረጉን? ምን ያህል? \nበመድሀኒት ተጠቀሙ? ምን መድሀኒት? እንደ ተገቡ? \nበሌሎች።",
 placeholderQuestions: "ምን ሊሆን ይችላል? ከባድ ነው? \nምን ምርመራ እንደሚያስፈልጋችሁ? ለምን? \nምን ሕክምና አለ? እያንዳንዱ አዋጅ ምን ነው? \nበብኑሮ እና በምግብ ምን ያህል ጥንቃቄ እንዳለባችሁ?",
 overallAssessment: "አንድ፣ አጠቃላይ ግምገማ እና ዋና ውሳኔ",
 detailedInterpretation: "ሁለት፣ የውጤት ዝርዝር ትርጉም፣ ዋና ጉዳዮች እና ክሊኒካዊ አሰሳ",
 comprehensiveAnalysis: "ሶስት፣ ሙሉ ትንተናና ምክር",

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analysis: "(1) ሙሉ ትንተና",
recommendations: "(2) ዝርዝር ምክር",
basicKnowledge: "አራት፣ መረጃ፣ በአሳሳች ጉዳይ ተያያዥ መረጃዎች",
differenceAmongAIs: "በተለያዩ AI ውጤቶች ያሉ ልዩነቶች ትንተና",
disclaimer: "የኃላፊነት እንቅስቃሴ",
disclaimerText: "ይህ የምርመራ ሪፖርት በDR SUN YATSEN ተሰጥቷል፤ ምክንያቱም ለመረጃ ብቻ ነው እና ሕጋዊ ኃላፊነት አይደለም።",
errorNoChiefComplaint: "እባክዎ ዋና እንግዳ ጉዳይ ያስገቡ",
errorNoAI: "ቢያንስ አንድ AI ሞዴል ይምረጡ",
errorNoAPIKey: "የተመረጠ AI ሞዴል API ቁልፍ ያስገቡ",
errorInvalidAPIKey: "API ቁልፍ ትክክል አልነበረም ወይም የኔትዎርክ ስህተት አለ፤ እባክትን ይፈትኑ",
errorMissingRequired: "ሁሉም አስፈላጊ ነገሮችን (እድሜ፣ ክብደት፣ ከፍታ፣ ደም ግፊት) ያስገቡ",
successSubmit: "የምርመራ ሪፖርት ተሰጥቷል!",
reportTitle: "DR SUN YATSEN የሕክምና ሪፖርት",
singleAIReport: "አንድ AI የምርመራ ሪፖርት",
multipleAIReport: "ሁለት ወይም ከዚያም በላይ AI የምርመራ አጠቃላይ ሪፖርት",
aiDiagnosis: "AI ምርመራ",
similarities: "አንደኛ ነጥብ",
differences: "ልዩነቶች",
agreement: "ውሳኔ",
conflict: "ግጭት",
patientInfo: "የታካሚ መረጃ",
gender: "ፆታ",
age: "እድሜ",
weight: "ክብደት",
height: "ከፍታ",
bmi: "BMI",
bloodPressure: "ደም ግፊት",
chiefComplaint: "ዋና እንግዳ ጉዳይ",
medicalReports: "የሕክምና ሪፖርቶች ትንተና",
fileContent: "የሪፖርት ማጠቃለያ",
generatedTime: "የተፈጠረ ጊዜ",
fileAnalysis: "የፋይል ትንተና"
},

//Quechua
qu: {
  languageLabel: 'Rimay',
  mainTitle: 'DR SUN YATSEN',
  mainSubtitle: 'AI-manta rikhuywan yachachiq wasiyuq',
  sectionI: 'I. Qamkunaq risinaykuna',
  sectionII: 'II. Qamkunam rikhuriyku',
  sectionIII: 'III. Qamkunam alianza sutinakunawanmi tukuy kawsayniyuq',
  sectionIV: 'IV. Sipasqa kawsayniyuqniyuqmi hamuqkunam chayna tukuy kawsay yachay',
  sectionV: 'V. Yachaqkunam rikhuykuna hamuqlla rurasqakunam',
  sectionVI: 'VI. Qam usuchkasqayki risinaykunata yanapakuqkunam',
  sectionVII: 'VII. Yachaykamachiykuna chay yachaqkunata riqsiy',
  sectionVIII: 'VIII. AI modeloqanta willakuy',
  labelGender: 'Riqsinakuy',
  optMale: 'Qhari',
  optFemale: 'Warmi',
  labelAge: 'Ñawpaq watayuq',

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labelWeight: 'Misk\`ayuy (kg)',
 labelHeight: 'Hawayuy (cm)',
 labelBpSystolic: 'Ch\`ulla makiyuy ura (mmHg)',
 labelBpDiastolic: 'Chiqa makiyuy ura (mmHg)',
 labelRestingHr: 'Sonqon tikray kachkanan (bpm)',
 labelDeepseekKey: 'DeepSeek API rikhuy qillqay',
 labelGptKey: 'OpenAI API rikhuy qillqay',
 labelGeminiKey: 'Gemini API rikhuy qillqay',
 infoChiefComplaint: 'Kayqa rikhuykuna sumaqmi rimanakuy; rimanaykita aswan kachaychu.',
 infoHealth: 'Ama sutichiychu qamkunam kawsay hamuqkunata (imaynaraq musuqmi kawsayninchik, mikuy hamuqkunata, kihuykunata). Kayqa chuymanakuymi diagnosismanta.',
 infoLifestyle: 'Kaykunami tukuy yupaychasqanku hamuqkuna; ama sutichiychu qamkunam kawsayniyuqni. Kayqa diagnosismi aswan yachayku.',
 infoExaminations: 'Ama sutichiychu yachaykuna hamuqkunata rikhuyku, diagnosismanta aswan yachayku.',
 labelFiles: 'Sumaq yachaykamachiykuna, rikhuykuna, imagenkuna kallpachinqa (txt, docx, pdf, jpg, png), hamuqkunata willakuy.',
 apiKeyInfo: 'AI API rikhuy qillqayman ima rikhuykunata imaymana:',
 btnSubmit: 'Willakuy',
 btnReset: 'Llikay',
 btnDownload: 'Yachaykamachiykuna rikhuyta llank\`ay',
 loadingText: 'Qamkuna qamawankuchkan yachaykamachiykuna rikhuyta...',
 placeholderChief: 'Maypi mana allinmi? Imata rikhuykuq? \nImanawanmi mana allin kanki? (Missionkuy, quyqoy, qepisiy, q\`ayay,\`nwaqariy, uma qaray, phaqarin) \nMaypi tukuy? Maypi mañay? Uraymi? \nImaynaraq llikayki? (Chaymi tukuy llapa watayuy, icha rimaykachkan.) \nMaypi llikan? (Chay rikhuykuna ima llikanmi, llikay, mikuy, etc.) \nImaynaraq waynanakunata willaykuy.',
 placeholderHealth: 'Qamkunam ranraqkuna kamachiqkuna: taytakuna, warmikunam locationkuna kapukuna? \nMikuykuna, hamuqkuna chaymi, kaymi musuq kawsayniyuq.\nSipasqa kawsayniyuqmi chaymi willaykunam (owkuna, hukuna, mikuy, etc.) \nFamilia: Taytakuna warmikunam hamuqkunata kapukuna musuqkuna.\nImaynaraq hamuqkunam.',
 placeholderLifestyle: 'Kawsayñaq: Sıqaymanta? (Maypi, llank\`ayman) Ch\`usaymi? (Imaynaraq hamuqkunata)\nMikunaykuna llank\`aykuna: Mikuy, llank\`ay hamuqkun.\nLlank\`aypi kawsayniyuq: Maypi rurayki hamuqkunata?\nWarmikunam: Pichay / chiqnin toqray.\nImaynaraq.',
 placeholderVisits: 'Kayka rikhuykunam yachaqkunata qonqayku?\nMaypi hamuqkuna llakiykunata?\nKaqqmi rikhuykunam: hinkay chiqwaykuyku?\nImaynaraq.',
 placeholderQuestions: 'Ima qamkunam mana alli rikhuyku?\nMaypira chay rikhuykunata rikhuykuq?\nImaynaraq hamuqkuna?\nLlapa mikuykuna, kawsay, tukuy rikhuykunam.',
 overallAssessment: 'Huk punchawmi tukuy qillqaykunam willaykunam',
 detailedInterpretation: 'Ñawpaqmi tukuy rikhuykuna, ima rikhuykuq hamuqkunata tiyay',
 comprehensiveAnalysis: 'Tukuy rikhuykuna rikhuykuq hamuqkunam, willaykuna hamuqkunam',
 analysis: '(1) Tukuy analysiskuna',
 recommendations: '(2) Sumak willaykuna',
 basicKnowledge: 'Kimsakuna: kay rikhuykunam mana allin rimasqayki rurayniyuq',
 differenceAmongAIs: 'Huñuykuna AI llikaykuna rikhuykuq hamuqkunata',
 disclaimer: 'Ama tukuymananta willaysi',
 disclaimerText: 'Kay rikhuykamachiy kanku DR SUN YATSEN chaymi puchkakuyku, chaymi allin kaykuchkan kanki, manam rikhuykuna hukninam riqsiyku manam reqsisqaku.',
 errorNoChiefComplaint: 'Rampay rikhuy tukuykusqayki',
 errorNoAI: 'Huk nisamaynin AI modeloq tukuqkuy',
 errorNoAPIKey: 'Rikhuy llank\`ay qillqaykuta reqsiy',
 errorInvalidAPIKey: 'Mana alli API qillqay, qanraq hamuqkunata chiqayku',
 errorMissingRequired: 'Tukuy tukuchikunanmi hamuqkusqayki (ñawpaq watayuy, misk\`ayuy, hawayuy, ura)',
 successSubmit: 'Rikhuykamachiyki kashanraq!',
 reportTitle: 'DR SUN YATSEN Yachaykamachiy Rikhuy',

```

singleAIReport: 'Huk AI rikhuykamachiy',
multipleAIReport: 'Llapan AI rikhuykamachiy tukuykunata',
aiDiagnosis: 'AI rikhuy',
similarities: 'Tukuykuna rikhuykuq',
differences: 'Mana tukuykuna',
agreement: 'Rikunakuy',
conflict: 'Qichwa',
patientInfo: 'Qamkunam rikhuykuna',
gender: 'Riqsinakuy',
age: 'Ñawpaq watayuq',
weight: 'Misk\`ayuq',
height: 'Hawayuq',
bmi: 'BMI',
bloodPressure: 'Ura',
chiefComplaint: 'Rikhuykuq',
medicalReports: 'Yachaykamachiy rikhuykunam',
fileContent: 'Rikhuykusqa tukuy qillqay',
generatedTime: 'Rikhuykusqa punchaw',
fileAnalysis: 'Qillqay rikhuy'
},

```

```
//Bengali
```

```
bn: {
```

```

languageLabel: "ভাষা",
mainTitle: "ড. সন ইয়াত-সনে",
mainSubtitle: "এআই ভিত্তিক চিকিৎসা ক্লিনিক",
sectionI: "I. আপনৰ মৌলিক তথ্য",
sectionII: "II. আপনৰ প্ৰধান অভিযোগ",
sectionIII: "III. আপনৰ সন্মুখৰ অবস্থা ও চিকিৎসা ইতিহাস",
sectionIV: "IV. বক্ষিত জী বনধৰ ও পৰিবেশ",
sectionV: "V. চিকিৎসা পৰিদৰ্শনা ও পৰিবেশ",
sectionVI: "VI. আপনৰ জন্মৰ পৰা এমনি অৰ্থাৎ বিকল্পতম",
sectionVII: "VII. পৰিবেশৰ পৰিৱেশৰ চিকিৎসা পৰিবেশ",
sectionVIII: "VIII. এআই মডেল নিৰ্ধাৰণ",
labelGender: "লিংগ",
optMale: "পুৰুষ",
optFemale: "মহিলা",
labelAge: "বয়স",
labelWeight: "ওজন (কেজি)",
labelHeight: "উচ্চতা (সেমি)",
labelBpSystolic: "সিস্টোলিক ৰক্তচাপ (মিমিঃ পৰ কল)",
labelBpDiastolic: "ডায়াস্টোলিক ৰক্তচাপ (মিমিঃ পৰ কল)",
labelRestingHr: "বিশ্রামকালীন হৃদস্পন্দন (bpm)",
labelDeepseekKey: "ডিপসিক API কী",
labelGptKey: "গপনএআই API কী",
labelGeminiKey: "জিনি API কী",
infoChiefComplaint: "এই সবচেয়েগুৰুত্বপূৰ্ণস্বাস্থ্যসমস্যাৰ প্ৰতিবেদন ততাল্পৰে",
infoHealth: "আপনৰ স্বাস্থ্যএবং চিকিৎসা ইতিহাস লুকায়িত কৰিবলৈ বিশেষ কৰি অস্বাভাৱিক এবং সংক্ৰমক ৰোগেৰে ইতিহাস, এই সঠিক নিৰ্দ্ধাৰণে জনস্বাস্থ্যৰ প্ৰতিবেদন",
infoLifestyle: "এই লৈ অনেকে ৰোগেৰে প্ৰভাৱিত বহু বৰি কৰণ। আপনৰ বক্ষিত জী বনধৰ ও পৰিবেশ লুকায়িত কৰিবলৈ; এই নিৰ্দ্ধাৰণে জনস্বাস্থ্যৰ প্ৰতিবেদন",
infoExaminations: "আপনৰ চিকিৎসা পৰিদৰ্শনা ও পৰিবেশ লুকায়িত কৰিবলৈ; এই নিৰ্দ্ধাৰণে জনস্বাস্থ্যৰ প্ৰতিবেদন",

```

labelFiles: "যদি পূর্বের বস্তু সম্পর্কিত শব্দ রিক, রস যনক পরিবর্তন রিপোর্ট চিত্রায়ন প্লট বিদেন, সঙ্ক্ষিপ্ত পরিবর্তন ইত্যাদি (ছবি বস্তু ইল; txt, docx, pdf, jpg, png প্লট), আছে তবে একসঙ্গে আপলোড করুন (এক থেকে আপলোড করা যাবে)।",

apiKeyInfo: "কী ভাবে এই API কী পাতা হবে:",

btnSubmit: "জমা দিন",

btnReset: "রিসেট করুন",

btnDownload: "রিপোর্ট উইনলোড করুন",

loadingText: "আপনার চিকিৎসা তথ্য প্রক্রিয়াকরণ...",

placeholderChief: "আপনি কয়েক অসুস্থবোধে কখন? নির্দিষ্টকমে অসুস্থ? এই অসুস্থবোধ কখন? কখন (ছবি, যোগা, ফাঁড়া, চাপ, ব্যথা), চুলকনি, অসুস্থতা, পেশ, জলন্ত অনুভূতি, মথ ঘরে? কখন শুরু হয়েছে? নির্দিষ্টকমে? হঠাৎ নাক দিয়ে ঝর ঝর উৎপত্তি কতক্ষণ স্থায়ী হয়েছে? সব সময় নাক মথ মথ? কখন নয়িম আছে? যখন কখন ভয়ংকর হয় (দিন/রাত, খাবারের পর/উপবাস, কাজের পর/বিরতির সময়), কখন আর মথ হয়? তীব্র কখন? ১-১০ স্কেলে কত দোষ হবে? কি ঘুম, কাজে বদনৈনদিন জীবন প্ৰভাবিত হয়? কখনো অন্য উপসর্গ আছে? যখন জ্বর, খুসখুসনি, বমি, ডায়রিয়া, ঘাম, হৃদস্পন্দন বৃদ্ধি? অন্যকমে বস্তু তথ্যযাচাই বল দরকার।",

placeholderHealth: "পুরস্কৃত রোগে ইতিহাস: আগে গুরুতর কমে রোগে হয়েছে? (যখন উচ্চ রক্তচাপ, ডায়াবেটিস, হৃদরোগ, হপটাইটিস, টিবি, অসুস্থতার ইতিহাস, আগের ইতিহাস ইত্যাদি) ঔষধ ইতিহাস: বর্তমানে কমে ঔষধ নিচ্ছেন? (প্রেসক্রিপশন, ওভার-দ্য-কাউন্টার, সপ্লিমেন্ট হর্মেওপ্যাথিক) এলার্জিক কমে ঔষধ বর্জনের প্লট এলার্জিক আছে? পরিবর্তিত ইতিহাস: সরসব আত্মীয়দের কমে গুরুতর রোগে বা বংশগত রোগে আছে? অন্যনয়",

placeholderLifestyle: "জীবনযাপন: ধূমপান করেন? (কতদিন ধরে, প্লট দিন কতট), মদ্যপান করেন? (ফ্রিকোয়েন্সি ও পরিমাণ) খাদ্য ও ব্যায়াম: দৈনন্দিন খাবারের পছন্দ ও ব্যায়ামের অভ্যাস পেশা ও পরিবেশ: কমে কাজ করেন? সম্পর্কিত সময়ে বিশেষ পরিবেশের সংস্পর্শ এসেছে? (যখন রস যনক, ধুলোপোশে পক্ষী, ভ্রমণ) মনস্তাত্ত্বিক: মসকির ইতিহাস (চক্র পরিমাণ, শেষ মসকি), গুরুত্বপূর্ণ ইতিহাস অন্যনয়",

placeholderVisits: "এইবর চিকিৎসার আগে অন্যকমে ও গেছেন? কি পরিবর্তন হয়েছে? অসুস্থতার হয়েছে? কমে ধরনের? ঔষধ বস্তু করছেন? কি ঔষধ, ফল ফল কখন? অন্যনয়",

placeholderQuestions: "আমর কি সমস্যা হতে পারে? কতট গুরুতর? কমে পরিবর্তন করনো উচিত? কেন? বর্তমানে কি চিকিৎসা পদ্ধতি আছে? প্লটের সুবিধা এবং অসুস্থবোধ কী? জীবনযাপন ও খাদ্য কী করণীয়?",

overallAssessment: "১। সমগ্রিক মূল্যায়ন ও মূল উপসংহর",

detailedInterpretation: "২। ফল ফলের বস্তুতথ্য, প্ৰভাবিত ও কনি কনি গুরুত্ব",

comprehensiveAnalysis: "৩। সমন্বিত বিশ্লেষণ ও পরামর্শ",

analysis: "(১) সমন্বিত বিশ্লেষণ",

recommendations: "(২) বিশদ পরামর্শ",

basicKnowledge: "৪। টিপস: প্ৰভাবিত সমস্যা সমস্যা মত্রে কী জ্ঞান",

differenceAmongAIs: "বর্তমানে এই নিয়মে পরিবর্তন বিশ্লেষণ",

disclaimer: "দাবী মুক্তি",

disclaimerText: "এই নিয়ম রিপোর্ট ড. সন ইয়াত-সনে কর্তৃক প্ৰভাবিত কর হয়েছে, ফল ফল শুধুমাত্র তথ্যের জন্য কমে আইনগত দায়বদ্ধতা নেই।",

errorNoChiefComplaint: "দয়া করে প্ৰভাবিত অর্ডার লিখুন",

errorNoAI: "কমপক্ষে একটি AI মডেল নির্বাচন করুন",

errorNoAPIKey: "নির্ধারিত AI মডেলের API কী প্ৰভাবিত করুন",

errorInvalidAPIKey: "অবৈধ API কী অথবা নেটওয়ার্ক সমস্যা, দয়া করে পরিবর্তন করে পুনরায় চেষ্টা করুন",

errorMissingRequired: "সমস্ত প্রয়োজনীয় তথ্য পূরণ করুন (বয়স, ওজন, উচ্চতা, রক্তচাপ)",

successSubmit: "নিয়ম রিপোর্ট সফলভাবে তৈরি হয়েছে!",

reportTitle: "ড. সন ইয়াত-সনে চিকিৎসা নিয়ম রিপোর্ট",

singleAIReport: "একক AI নিয়ম রিপোর্ট",

multipleAIReport: "বহু এই নিয়মে সমন্বিত রিপোর্ট",

aiDiagnosis: "AI নিয়ম",

similarities: "সমসামান্য",

differences: "অমিল",

agreement: "সম্মতি",

conflict: "বৈষম্য",

patientInfo: "রোগীর তথ্য",

gender: "লিঙ্গ",

age: "বয়স",


```

document.getElementById('mainSubtitle').textContent = lang.mainSubtitle;
document.getElementById('sectionI').textContent = lang.sectionI;
document.getElementById('sectionII').textContent = lang.sectionII;
document.getElementById('sectionIII').textContent = lang.sectionIII;
document.getElementById('sectionIV').textContent = lang.sectionIV;
document.getElementById('sectionV').textContent = lang.sectionV;
document.getElementById('sectionVI').textContent = lang.sectionVI;
document.getElementById('sectionVII').textContent = lang.sectionVII;
document.getElementById('sectionVIII').textContent = lang.sectionVIII;
document.getElementById('labelGender').textContent = lang.labelGender;
document.getElementById('optMale').textContent = lang.optMale;
document.getElementById('optFemale').textContent = lang.optFemale;
document.getElementById('labelAge').innerHTML = lang.labelAge + ' <span class="required">*</span>';
document.getElementById('labelWeight').innerHTML = lang.labelWeight;
document.getElementById('labelHeight').innerHTML = lang.labelHeight;
document.getElementById('labelBpSystolic').innerHTML = lang.labelBpSystolic;
document.getElementById('labelBpDiastolic').innerHTML = lang.labelBpDiastolic;
document.getElementById('labelRestingHr').innerHTML = lang.labelRestingHr;
document.getElementById('labelDeepseekKey').textContent = lang.labelDeepseekKey;
document.getElementById('labelGptKey').textContent = lang.labelGptKey;
document.getElementById('labelGeminiKey').textContent = lang.labelGeminiKey;
document.getElementById('infoChiefComplaint').textContent = lang.infoChiefComplaint;
document.getElementById('infoHealth').textContent = lang.infoHealth;
document.getElementById('infoLifestyle').textContent = lang.infoLifestyle;
document.getElementById('infoExaminations').textContent = lang.infoExaminations;
document.getElementById('labelFiles').textContent = lang.labelFiles;
if (document.getElementById('apiKeyInfo')) {
    document.getElementById('apiKeyInfo').textContent = lang.apiKeyInfo;
}
document.getElementById('btnSubmit').textContent = lang.btnSubmit;
document.getElementById('btnReset').textContent = lang.btnReset;
document.getElementById('btnDownload').textContent = lang.btnDownload;
document.getElementById('loadingText').textContent = lang.loadingText;
setupPlaceholders();
document.getElementById('langSelector').value = currentLang;
}

function setupPlaceholders() {
    const lang = translations[currentLang];
    if (lang.placeholderChief) document.getElementById('chiefComplaint').placeholder = lang.placeholderChief;
    if (lang.placeholderHealth) document.getElementById('healthHistory').placeholder = lang.placeholderHealth;
    if (lang.placeholderLifestyle) document.getElementById('lifestyle').placeholder = lang.placeholderLifestyle;
    if (lang.placeholderVisits) document.getElementById('medicalVisits').placeholder = lang.placeholderVisits;
    if (lang.placeholderQuestions) document.getElementById('furtherQuestions').placeholder =
lang.placeholderQuestions;
}

document.getElementById('fileInput').addEventListener('change', function(e) {
    const files = e.target.files;
    for (let file of files) {
        if (!uploadedFiles.find(f => f.name === file.name)) {
            uploadedFiles.push(file);
        }
    }
});

```

```

    }
  }
  updateFileList();
});

function updateFileList() {
  const fileList = document.getElementById('fileList');
  fileList.innerHTML = "";

  uploadedFiles.forEach((file, index) => {
    const item = document.createElement('div');
    item.className = 'file-item';

    let statusIcon = '□';
    let statusClass = "";

    if (file.type === 'image') {
      statusIcon = '□□';
    } else if (file.type === 'text') {
      statusIcon = '□';
    } else if (file.type === 'unsupported') {
      statusIcon = '□□';
      statusClass = 'warning';
    } else if (file.error) {
      statusIcon = '□';
      statusClass = 'error';
    }
  });

  item.innerHTML = `
    <span class="${statusClass}">${statusIcon} ${file.name}
      <small style="color: #666; margin-left: 10px;">
        ${file.description ? file.description.substring(0, 50) + '...' : ""}
      </small>
    </span>
    <span class="file-remove" onclick="removeFile(${index})">×</span>
  `;

  fileList.appendChild(item);
});

function removeFile(index) {
  uploadedFiles.splice(index, 1);
  updateFileList();
}

// 文件类型检测和建议
function getFileProcessingSuggestion(file) {
  const fileName = file.name.toLowerCase();
  const fileSize = file.size;

  if (fileName.endsWith('.pdf')) {

```

```

    return {
      type: 'pdf',
      suggestion: 'PDF 文件将自动提取文本内容用于 AI 分析。如果提取失败，建议转换为图片格式。',
      successRate: 0.85
    };
  } else if (fileName.match(/\.(jpg|jpeg|png|gif|bmp|webp)$/i)) {
    return {
      type: 'image',
      suggestion: '图像文件将由 AI 模型直接分析，可能包含实验室报告、X 光片等医疗信息。',
      successRate: 0.95
    };
  } else if (fileName.endsWith('.docx')) {
    return {
      type: 'docx',
      suggestion: 'Word 文档将自动提取文本内容。确保文档格式标准，避免复杂排版。',
      successRate: 0.90
    };
  } else if (fileName.endsWith('.txt')) {
    return {
      type: 'text',
      suggestion: '纯文本文件将直接用于 AI 分析。确保使用 UTF-8 编码保存。',
      successRate: 0.99
    };
  } else if (fileName.endsWith('.doc')) {
    return {
      type: 'unsupported',
      suggestion: '不支持老版本 Word 格式(.doc)。建议转换为.docx 或 PDF 格式重新上传。',
      successRate: 0.0
    };
  } else {
    return {
      type: 'unknown',
      suggestion: '未知文件格式。建议转换为 PDF、Word 或图片格式重新上传。',
      successRate: 0.3
    };
  }
}

function updateAISelection() {
  const deepseekChecked = document.getElementById('aiDeepseek').checked;
  const deepseekSection = document.getElementById('deepseekSection');
  deepseekSection.classList.toggle('show', deepseekChecked);

  const gptChecked = document.getElementById('aiGPT').checked;
  const gptSection = document.getElementById('gptSection');
  gptSection.classList.toggle('show', gptChecked);

  const geminiChecked = document.getElementById('aiGemini').checked;
  const geminiSection = document.getElementById('geminiSection');
  geminiSection.classList.toggle('show', geminiChecked);
}

```

```

// 显示详细错误信息
function showDetailedError(errors) {
  const resultBox = document.getElementById('resultBox');
  const resultContent = document.getElementById('resultContent');

  let errorHtml = `
    <div class="error-box">
      <h3 style="margin-bottom: 15px;">❑ API 调用失败</h3>
      <p style="margin-bottom: 15px;">所有 AI 模型调用都失败了。请检查以下问题: </p>
    `;

  errors.forEach((err, index) => {
    errorHtml += `
      <div class="error-detail">
        <strong>${index + 1}. ${err.ai}</strong>
        <pre>${err.error}</pre>
      </div>
    `;
  });

  errorHtml += `
    <h4 style="margin-top: 20px; margin-bottom: 10px;">❑ 常见问题排查: </h4>
    <ol style="margin-left: 20px; line-height: 1.8;">
      <li><strong>API 密钥错误</strong>
        <ul style="margin-left: 20px; margin-top: 5px;">
          <li>确认密钥格式正确（无多余空格）</li>
          <li>检查密钥是否过期或被禁用</li>
          <li>确认密钥对应的模型有访问权限</li>
        </ul>
      </li>
      <li><strong>网络问题</strong>
        <ul style="margin-left: 20px; margin-top: 5px;">
          <li>检查网络连接</li>
          <li>某些地区可能无法直接访问 OpenAI/Google API</li>
          <li>检查是否需要使用 VPN 或代理</li>
        </ul>
      </li>
      <li><strong>配额限制</strong>
        <ul style="margin-left: 20px; margin-top: 5px;">
          <li>检查 API 账户余额</li>
          <li>确认是否超出速率限制</li>
        </ul>
      </li>
      <li><strong>浏览器问题</strong>
        <ul style="margin-left: 20px; margin-top: 5px;">
          <li>打开浏览器开发者工具(F12)查看 Console 和 Network 标签</li>
          <li>检查是否有 CORS 错误</li>
          <li>尝试在无痕模式下运行</li>
        </ul>
      </li>
    </ol>
  `;
}

```

```

    <div style="margin-top: 20px; padding: 10px; background: #e8f4f8; border-radius: 4px;">
        <strong>□ 建议: </strong> 打开浏览器的开发者工具(按 F12), 切换到 Console 标签, 查看详细
的错误信息。
    </div>
</div>
`;

resultContent.innerHTML = errorHtml;
resultBox.style.display = 'block';
}

// ===== 真实 AI 报告生成函数 =====

function generateSingleAIRealReport(aiResponse, fileContents) {
    const lang = translations[currentLang];
    const gender = document.getElementById('gender').value;
    const age = document.getElementById('age').value;
    const weight = document.getElementById('weight').value;
    const height = document.getElementById('height').value;
    const bpSystolic = document.getElementById('bpSystolic').value;
    const bpDiastolic = document.getElementById('bpDiastolic').value;
const restingHr = document.getElementById('restingHr').value;
    const bmi = (parseFloat(weight) / Math.pow(parseFloat(height) / 100, 2)).toFixed(1);

    // 清理 AI 响应中的 Markdown 格式
    const cleanedResponse = cleanMarkdown(aiResponse.response);

    let html = `
        <div class="report-container">
            <div class="report-title">${lang.reportTitle || 'DR SUN YATSEN Medical Diagnostic Report'}</div>

            <div class="report-header">
                <!-- 患者信息部分保持不变 -->
                <div style="display: grid; grid-template-columns: 1fr 1fr; gap: 10px; font-size: 12px;">
                    <div><strong>${lang.gender || 'Gender'}:</strong> ${gender === 'male' ? (lang.optMale || 'Male') :
(lang.optFemale || 'Female')}</div>
                    <div><strong>${lang.age || 'Age'}:</strong> ${age} ${lang.age || 'years'}</div>
                    <div><strong>${lang.weight || 'Weight'}:</strong> ${weight} kg</div>
                    <div><strong>${lang.height || 'Height'}:</strong> ${height} cm</div>
                    <div><strong>${lang.bmi || 'BMI'}:</strong> ${bmi} ${getBMICategory(bmi, lang)}</div>
                    <div><strong>${lang.bloodPressure || 'Blood Pressure'}:</strong> ${bpSystolic}/${bpDiastolic}
mmHg ${getBloodPressureCategory(bpSystolic, bpDiastolic, lang)}</div>
                    <div><strong>${lang.labelRestingHr || 'Resting Heart Rate (bpm)'}:</strong> ${restingHr || '-'}
${getRestingHrCategory(restingHr)}</div>
                </div>
                <div style="margin-top: 10px; font-size: 11px; color: #666;">
                    <strong>${lang.generatedTime || 'Generated Time'}:</strong> ${new Date().toLocaleString()}
                </div>
            </div>

            <div class="report-section">
                <div class="report-section-title">${lang.aiDiagnosis || 'AI Diagnosis'}: ${aiResponse.name}</div>

```

```

        <div style="white-space: pre-wrap; line-height: 1.8;">${escapeHtml(cleanedResponse)}</div>
    </div>
`;

    if (fileContents && fileContents.length > 0) {
        html += `
            <div class="report-section">
                <div class="report-section-title">${lang.medicalReports || 'Medical Report Analysis'}</div>
            `;
        fileContents.forEach((file, index) => {
            html += `
                <div class="file-content-box">
                    <div style="font-weight: 600; margin-bottom: 8px;">${lang.fileAnalysis || 'File Analysis'} ${index
+ 1}: ${escapeHtml(file.name)}</div>
                    `;
            if (file.type === 'text') {
                html += `<div>${escapeHtml(file.content.substring(0, 500))}${file.content.length > 500 ? '...' :
"}</div>`;
            } else {
                html += `<div>${file.description}</div>`;
            }
            html += `</div>`;
        });
        html += `</div>`;
    }

    html += `
        <div class="disclaimer-box">
            <div class="disclaimer-title">${lang.disclaimer || 'Disclaimer'}</div>
            <p style="line-height: 1.6; font-size: 11px;">${lang.disclaimerText || 'This diagnostic report was
provided by DR SUN YATSEN. The results are for reference only, and no legal risks or liabilities are assumed.'}</p>
            </div>
        </div>
    `;

    document.getElementById('resultContent').innerHTML = html;
    lastReportContent = html;
}

function generateMultipleAIRealReport(aiResponses, fileContents, comparison, keyPoints) {
    const lang = translations[currentLang];
    const gender = document.getElementById('gender').value;
    const age = document.getElementById('age').value;
    const weight = document.getElementById('weight').value;
    const height = document.getElementById('height').value;
    const bpSystolic = document.getElementById('bpSystolic').value;
    const bpDiastolic = document.getElementById('bpDiastolic').value;
    const restingHr = document.getElementById('restingHr').value;
    const bmi = (parseFloat(weight) / Math.pow(parseFloat(height) / 100, 2)).toFixed(1);

    let html = `
        <div class="report-container">
    
```

```

<div class="report-title">${lang.reportTitle || 'DR SUN YATSEN Medical Diagnostic Report'}</div>

<div class="report-header">
  <div style="display: grid; grid-template-columns: 1fr 1fr; gap: 10px; font-size: 12px;">
    <div><strong>${lang.gender || 'Gender'}:</strong> ${gender === 'male' ? (lang.optMale || 'Male') :
(lang.optFemale || 'Female')}</div>
    <div><strong>${lang.age || 'Age'}:</strong> ${age} ${lang.age || 'years'}</div>
    <div><strong>${lang.weight || 'Weight'}:</strong> ${weight} kg</div>
    <div><strong>${lang.height || 'Height'}:</strong> ${height} cm</div>
    <div><strong>${lang.bmi || 'BMI'}:</strong> ${bmi} ${getBMICategory(bmi, lang)}</div>
    <div><strong>${lang.bloodPressure || 'Blood Pressure'}:</strong> ${bpSystolic}/${bpDiastolic}
mmHg ${getBloodPressureCategory(bpSystolic, bpDiastolic, lang)}</div>
    <div><strong>${lang.labelRestingHr || 'Resting Heart Rate (bpm)'}:</strong> ${restingHr || '-'}
${getRestingHrCategory(restingHr)}</div>
  </div>
  <div style="margin-top: 10px; font-size: 11px; color: #666;">
    <strong>${lang.generatedTime || 'Generated Time'}:</strong> ${new Date().toLocaleString()}
  </div>
</div>

<div class="report-section">
  <div class="report-section-title">${lang.multipleAIReport || 'Multiple AI Integrated Diagnostic
Report'}</div>
  `;

// 1. 各 AI 独立诊断
aiResponses.forEach((aiResponse, index) => {
  const cleanedResponse = cleanMarkdown(aiResponse.response);
  html += `
  <div class="ai-report-box" style="margin: 15px 0;">
    <div class="ai-report-title">${index + 1}. ${aiResponse.name} ${lang.aiDiagnosis || 'Diagnosis'}</div>
    <div style="white-space: pre-wrap; line-height: 1.8;">${escapeHtml(cleanedResponse)}</div>
  </div>
  `;
});

// 2. 新增: AI 结果比较分析
html += `
</div>

<div class="report-section">
  <div class="report-section-title">${lang.differenceAmongAIs || 'Analysis of Differences Among Multiple AI
Diagnoses'}</div>

  <div class="comparison-box">
    <div class="comparison-title">□ AI 模型结果比较分析</div>
  `;

// 共识观点
if (comparison.agreements.length > 0) {
  html += `
  <div style="margin: 15px 0;">

```

```

    <div style="font-weight: bold; color: #2e7d32; margin-bottom: 8px;">
      □  $\{\text{lang.similarities} \parallel \text{'Similarities'}\}$  ( $\{\text{comparison.agreements.length}\}$ 个共识点)
    </div>
    <ul style="margin-left: 20px; line-height: 1.8; font-size: 12px;">
  `;
  comparison.agreements.forEach((agreement, idx) => {
    html += `
      <li style="margin-bottom: 5px;">
        <strong> $\{\text{agreement.section}\}$ :</strong>  $\{\text{agreement.ais.join(' \& ')}\}$  相似度
         $\{\text{Math.round(agreement.similarity * 100)}\}\%$ 
        <div style="font-size: 11px; color: #666; margin-left: 15px;">
          核心观点:  $\{\text{agreement.section} === \text{'assessment'} ? \text{'整体评估一致'} :$ 
            agreement.section === 'recommendations' ? '治疗建议相似':
            agreement.section === 'tests' ? '检查建议一致': '分析方向相同'\}
        </div>
      </li>
    `;
  });
  html += `</ul></div>`;
}

// 差异分析
if (comparison.disagreements.length > 0) {
  html += `
    <div style="margin: 15px 0;">
      <div style="font-weight: bold; color: #d32f2f; margin-bottom: 8px;">
        □□  $\{\text{lang.differences} \parallel \text{'Differences'}\}$  ( $\{\text{comparison.disagreements.length}\}$ 个分歧点)
      </div>
      <ul style="margin-left: 20px; line-height: 1.8; font-size: 12px;">
  `;
  comparison.disagreements.forEach((disagreement, idx) => {
    html += `
      <li style="margin-bottom: 8px;">
        <strong> $\{\text{disagreement.section}\}$ :</strong>  $\{\text{disagreement.ais.join(' vs ')}\}$  观点分歧
        <div style="font-size: 11px; color: #666; margin-left: 15px; margin-top: 3px;">
          建议:  $\{\text{disagreement.section} === \text{'assessment'} ? \text{'需要医生综合判断'} :$ 
            disagreement.section === 'recommendations' ? '咨询多位专家意见':
            disagreement.section === 'tests' ? '根据症状优先选择检查': '进一步收集信息'\}
        </div>
      </li>
    `;
  });
  html += `</ul></div>`;
}

// 相似度统计
if (comparison.similarities.length > 0) {
  html += `
    <div style="margin: 15px 0;">
      <div style="font-weight: bold; color: #1976d2; margin-bottom: 8px;">
        □  $\{\text{lang.agreement} \parallel \text{'Agreement'}\}$  相似度分析
      </div>

```

```

        <div style="font-size: 12px; line-height: 1.8;">
    `;
    comparison.similarities.forEach((similarity, idx) => {
        html += `
            <div style="margin-bottom: 5px;">
                <strong>${similarity.section}</strong> 平均相似度 ${similarity.similarity * 100}.toFixed(1)}%
            </div>
        `;
    });
    html += `</div></div>`;
}

// 独特观点
if (comparison.uniquePoints.length > 0) {
    html += `
        <div style="margin: 15px 0;">
            <div style="font-weight: bold; color: #ff9800; margin-bottom: 8px;">
                □ ${lang.conflict || 'Unique Insights'} - 独到观点
            </div>
            <ul style="margin-left: 20px; line-height: 1.8; font-size: 12px;">
    `;
    comparison.uniquePoints.forEach((unique, idx) => {
        html += `
            <li style="margin-bottom: 5px;">
                <strong>${unique.ai}</strong> 在${unique.section}方面有独特见解
                <div style="font-size: 11px; color: #666; margin-left: 15px; margin-top: 3px;">
                    建议: ${unique.ai === 'DeepSeek' ? '技术性分析较强':
                        unique.ai === 'GPT' ? '综合性建议更全面':
                        '创新性观点值得参考'}
                </div>
            </li>
        `;
    });
    html += `</ul></div>`;
}

html += `
    </div>

    <div style="background: #fff3cd; border-left: 4px solid #ffc107; padding: 15px; margin: 20px 0;
border-radius: 4px;">
        <div style="font-weight: bold; color: #856404; margin-bottom: 10px; font-size: 13px;">
            □ 多 AI 诊断决策指南
        </div>
        <div style="line-height: 1.8; font-size: 12px;">
            <p><strong>1. 共识优先:</strong> 所有 AI 都同意的建议应该优先考虑执行</p>
            <p><strong>2. 差异咨询:</strong> 对于有分歧的诊断, 建议咨询多位医生获取专业意见</p>
            <p><strong>3. 综合判断:</strong> 结合 AI 建议、医生意见和自身症状做出最终决策</p>
            <p><strong>4. 持续监测:</strong> 无论采用哪种方案, 都需要定期复查和随访</p>
            <p><strong>5. 紧急情况:</strong> 如症状突然加重, 立即就医, 不要等待 AI 分析</p>
        </div>
    </div>

```

```

        </div>
    `;

    // 3. 文件分析部分
    if (fileContents && fileContents.length > 0) {
        html += `
            <div class="report-section">
                <div class="report-section-title">${lang.medicalReports || 'Medical Report Analysis'}</div>
            `;
        fileContents.forEach((file, index) => {
            html += `
                <div class="file-content-box">
                    <div style="font-weight: 600; margin-bottom: 8px;">${lang.fileAnalysis || 'File Analysis'} ${index + 1}:
                    ${escapeHtml(file.name)}</div>
                `;
                if (file.type === 'text') {
                    html += `<div>${escapeHtml(file.content.substring(0, 500))}${file.content.length > 500 ? '...': ''}</div>`;
                } else {
                    html += `<div>${file.description}</div>`;
                }
                html += `</div>`;
            });
            html += `</div>`;
        }

        html += `
            <div class="disclaimer-box">
                <div class="disclaimer-title">${lang.disclaimer || 'Disclaimer'}</div>
                <p style="line-height: 1.6; font-size: 11px;">${lang.disclaimerText || 'This diagnostic report was provided by
                DR SUN YATSEN. The results are for reference only, and no legal risks or liabilities are assumed.'}</p>
            </div>
        `;

        document.getElementById('resultContent').innerHTML = html;
        lastReportContent = html;
    }

    async function submitForm() {
        const lang = translations[currentLang];

        // 验证必填字段
        const age = document.getElementById('age').value.trim();
        const weight = document.getElementById('weight').value.trim() || '未提供';
        const height = document.getElementById('height').value.trim() || '未提供';
        const bpSystolic = document.getElementById('bpSystolic').value.trim() || '未提供';
        const bpDiastolic = document.getElementById('bpDiastolic').value.trim() || '未提供';
        const restingHr = document.getElementById('restingHr').value.trim() || '未提供';
        const chiefComplaint = document.getElementById('chiefComplaint').value.trim();

        if (!age) {
            alert(lang.errorMissingRequired);
        }
    }

```

```
    return;
  }

  if (!chiefComplaint) {
    alert(lang.errorNoChiefComplaint);
    return;
  }

  // 验证至少选择一个 AI
  const deepseekChecked = document.getElementById('aiDeepseek').checked;
  const gptChecked = document.getElementById('aiGPT').checked;
  const geminiChecked = document.getElementById('aiGemini').checked;

  if (!deepseekChecked && !gptChecked && !geminiChecked) {
    alert(lang.errorNoAI);
    return;
  }

  // 验证 API 密钥
  selectedAIsForReport = [];
  if (deepseekChecked) {
    const key = document.getElementById('deepseekKey').value.trim();
    if (!key) {
      alert(lang.errorNoAPIKey);
      return;
    }
    selectedAIsForReport.push({ name: 'DeepSeek', key: key, order: 0 });
  }
  if (gptChecked) {
    const key = document.getElementById('gptKey').value.trim();
    if (!key) {
      alert(lang.errorNoAPIKey);
      return;
    }
    selectedAIsForReport.push({ name: 'GPT', key: key, order: 1 });
  }
  if (geminiChecked) {
    const key = document.getElementById('geminiKey').value.trim();
    if (!key) {
      alert(lang.errorNoAPIKey);
      return;
    }
    selectedAIsForReport.push({ name: 'Gemini', key: key, order: 2 });
  }

  // 按优先级排序
  selectedAIsForReport.sort((a, b) => a.order - b.order);

  document.getElementById('loading').style.display = 'block';
  document.getElementById('resultBox').style.display = 'none';

  const errors = [];
```

```

const aiResponses = [];

try {

document.getElementById('loading').style.display = 'block';
document.getElementById('resultBox').style.display = 'none';

// 读取上传的文件内容
let fileContents = [];
if (uploadedFiles.length > 0) {
  for (const file of uploadedFiles) {
    try {
      const content = await readFileContent(file);
      fileContents.push(content);
    } catch (error) {
      console.error(`读取文件 ${file.name} 失败:`, error);
    }
  }
}

// 构建提示词
const gender = document.getElementById('gender').value;
const healthHistory = document.getElementById('healthHistory').value;
const lifestyle = document.getElementById('lifestyle').value;
const medicalVisits = document.getElementById('medicalVisits').value;
const furtherQuestions = document.getElementById('furtherQuestions').value;

let prompt = `你是一位专业的医学 AI 助手。请根据以下患者信息提供详细的医学诊断报告。报告必须使用
${getLanguageName(currentLang)}语言输出。

患者基本信息:
- 性别: ${gender === 'male' ? '男性' : '女性'}
- 年龄: ${age}岁
- 体重: ${weight}kg
- 身高: ${height}cm
- 血压: ${bpSystolic}/${bpDiastolic} mmHg
- 静息心率: ${restingHr || '未提供'} bpm

主诉:
${chiefComplaint}

健康状态和病史:
${healthHistory || '未提供'}

生活方式和环境:
${lifestyle || '未提供'}

医疗就诊和检查:
${medicalVisits || '未提供'}

进一步问题:
${furtherQuestions || '未提供'}`;

```

```

if (fileContents.length > 0) {
prompt += "\n\n 上传的医疗文件分析: \n";
fileContents.forEach((file, index) => {
  if (file.type === 'text' && !file.error && !file.unsupported) {
    prompt += "\n 文件 ${index + 1} (${file.name}):\n${file.content.substring(0, 2000)}\n";
  } else if (file.type === 'image' && file.data) {
    // 对于图像文件, 提供详细的分析指导
    prompt += "\n 文件 ${index + 1} (${file.name}): 医疗图像文件。";

    if (file.ocrSuccess && file.content) {
      // OCR 成功
      prompt += `OCR 提取文本内容: \n${file.content.substring(0, 1000)}\n`;
    } else {
      // OCR 失败或纯图像
      prompt += `这是一个医疗图像, 可能包含实验室报告、X 光片、CT、MRI、超声等影像学检查结果,
或处方单、检查单等文档照片。`;

      // 根据文件名推测内容
      const fileName = file.name.toLowerCase();
      if (fileName.includes('xray') || fileName.includes('xr')) {
        prompt += `这可能是 X 光片, 请分析骨骼结构、肺部、腹部等异常。`;
      } else if (fileName.includes('ct') || fileName.includes('ct')) {
        prompt += `这可能是 CT 扫描图像, 请分析器官结构、肿瘤、炎症等异常。`;
      } else if (fileName.includes('mri')) {
        prompt += `这可能是 MRI 图像, 请分析软组织、神经系统等异常。`;
      } else if (fileName.includes('report') || fileName.includes('lab')) {
        prompt += `这可能是实验室报告照片, 请识别数值、参考范围、异常标记等。`;
      }
    }
  }

  prompt += "\n 请基于图像内容提供相关诊断建议。";
} else if (file.error || file.unsupported) {
  prompt += "\n 文件 ${index + 1} (${file.name}): ${file.description}\n";
}
});
}

```

prompt += "\n 进行诊断的核心原则:

1. 首先排除最危险的可能性

诊断初期, 需要遵循"先救命后治病"的原则。

(1) 排除急重症: 对于任何症状, 要优先排除那些可能危及生命或导致严重后果的疾病。

(2) 为什么这么做: 这些疾病可能需要在极短时间内处理, 错过了最佳治疗时机, 后果可能无法挽回。

2. 优先考虑常见病和多发病

在排除了紧急情况, 要遵循"常见病优先"的原则。

(1) 概率思维: 临床上, 最常见的症状往往对应着最常见的疾病。

(2) 一元论原则: 尽量用一种疾病来解释患者所有的症状。如果一个诊断既能解释这种疾病, 也能解释其它疾病, 那么它比需要两个病来解释的可能性更高。

3. 遵循循证医学与逻辑推理

诊断要基于证据和严密的逻辑。

(1) 依据客观证据: 诊断通常需要结合病史、体格检查、实验室检查(如血常规)、影像学检查(如CT、B超)等来综合判断。

(2) 鉴别诊断：要把所有可能性列出来，然后通过问诊和检查，一个个排除或证实。

4. 尊重疾病的演变规律

有些疾病的早期症状并不典型，诊断可能需要时间。

(1) 动态观察：部分疾病在初期可能无法立即确诊，需要观察病情的发展变化，才能最终确定类型。

(2) 诊断性治疗：如果高度怀疑某一种常见病但证据不足，有时要尝试用药。如果用药后症状明显好转，也反过来支持这一诊断。

5. 其它

(1) 接受"待查"状态：如果实在无法给出明确的病名诊断，可以说"某某症状待查"，提示患者还要谨慎地观察和排除。

(2) 注意合并症：特别是老年患者，可能同时患有多种疾病。诊断时需要分清哪个是主要问题，哪些是伴随问题。`;

prompt += `\n\n 请提供详细的诊断报告，包括：

I. 整体评估和核心结论

II. 结果详细解读、主要异常和临床意义

III. 分析与建议

(1) 根据所有可用信息对疾病进行溯源，推断可能的各种病因

(2) 综合分析（病情分析等），详细建议（进一步检查、手术、用药、生活方式、健身运动、医院和科室等）

IV. 与主诉病情有关的基本知识

请确保报告使用\${getLanguageName(currentLang)}语言，内容详尽、专业。`;

```
// 调用所有选定的 AI
for (const ai of selectedAIsForReport) {
  try {
    console.log(`开始调用 ${ai.name} API...`);
    let response;

    if (ai.name === 'DeepSeek') {
      response = await callDeepSeekAPI(ai.key, prompt);
    } else if (ai.name === 'GPT') {
      response = await callGPTAPI(ai.key, prompt);
    } else if (ai.name === 'Gemini') {
      response = await callGeminiAPI(ai.key, prompt);
    }

    console.log(`${ai.name} API 调用成功`);
    aiResponses.push({ name: ai.name, response: response });

  } catch (error) {
    console.error(`${ai.name} API 调用失败:`, error);
    errors.push({
      ai: ai.name,
      error: error.message
    });
  }
}

// 如果所有 AI 都失败了
if (aiResponses.length === 0) {
  document.getElementById('loading').style.display = 'none';
  showDetailedError(errors);
  return;
}
```

```

// 如果有部分成功，显示警告但继续
if (errors.length > 0) {
  console.warn('部分 AI 调用失败:', errors);
  alert(`警告: ${errors.map(e => e.ai).join(', ')} 调用失败，但其他 AI 成功。将继续生成报告。`);
}

// ===== AI 结果分析 =====
console.log('开始分析 AI 结果...');

// 提取关键点
const keyPoints = aiResponses.map(response => ({
  name: response.name,
  points: extractKeyPoints(response.response)
}));

// 计算相似度并比较结果
const comparison = compareAIResults(aiResponses);

console.log('关键点提取:', keyPoints);
console.log('AI 比较结果:', comparison);

// 生成报告
if (aiResponses.length === 1) {
  generateSingleAIRealReport(aiResponses[0], fileContents);
} else {
  generateMultipleAIRealReport(aiResponses, fileContents, comparison, keyPoints);
}

document.getElementById('loading').style.display = 'none';
document.getElementById('resultBox').style.display = 'block';
alert(lang.successSubmit || '报告生成成功! ');

} catch (error) {
  console.error('提交过程失败:', error);
  document.getElementById('loading').style.display = 'none';
  alert(`错误: ${error.message}`);
}
}

async function extractTextFromPage(page) {
  try {
    const viewport = page.getViewport({ scale: 1.5 });
    const canvas = document.createElement('canvas');
    const ctx = canvas.getContext('2d');
    canvas.width = viewport.width;
    canvas.height = viewport.height;

    const renderTask = page.render({ canvasContext: ctx, viewport });
    await renderTask.promise;

    const dataUrl = canvas.toDataURL('image/png');

```

```

    const text = await extractTextFromImage(dataUrl); // 你已实现的 OCR 封装
    return text || "";
  } catch (e) {
    console.warn('OCR fallback failed:', e);
    return "";
  }
}

// PDF 处理部分，添加文本层提取
async function processPDF(pdfBytes) {
  try {
    const loadingTask = pdfjsLib.getDocument(pdfBytes);
    const pdf = await loadingTask.promise;

    let fullText = "";
    let pageCount = 0;
    const maxPages = Math.min(pdf.numPages, 5);

    for (let i = 1; i <= maxPages; i++) {
      try {
        const page = await pdf.getPage(i);

        // 首先尝试提取文本层
        const textContent = await page.getTextContent();
        let pageText = textContent.items.map(item => item.str).join(' ');

        // 如果文本层内容太少，尝试 OCR
        if (pageText.length < 100) {
          console.log(`第${i}页文本层内容不足，尝试 OCR...`);
          const ocrText = await extractTextFromPage(page);
          if (ocrText && ocrText.length > pageText.length) {
            pageText = ocrText;
          }
        }

        if (pageText.trim()) {
          fullText += `--- 第${i}页 ---\n${pageText}\n\n`;
          pageCount++;
        }
      } catch (pageError) {
        console.warn(`处理 PDF 第${i}页失败:`, pageError);
      }
    }

    return { text: fullText, pages: pageCount };
  } catch (error) {
    throw error;
  }
}

```

```

async function handleFileUpload(event) {
  const files = Array.from(event.target.files);

  // 显示总体加载状态
  showOverallLoading(true);

  for (let i = 0; i < files.length; i++) {
    const file = files[i];
    const progress = ((i + 1) / files.length * 100).toFixed(1);

    try {
      // 文件验证
      const validation = validateFileBeforeUpload(file);
      if (!validation.valid) {
        showFileError(file.name, validation.error);
        continue;
      }

      // 显示单个文件加载状态
      showFileLoading(file.name, true, progress);

      // 直接添加原始 File 对象，而不是处理后的内容
      if (!uploadedFiles.find(f => f.name === file.name)) {
        uploadedFiles.push(file); // 修改这里：推入原始 File 对象
      }

      // 更新显示
      showFileLoading(file.name, false, progress);

    } catch (error) {
      console.error(`处理文件 ${file.name} 失败:`, error);
      showFileError(file.name, error.message);
    }
  }

  // 显示总体完成状态
  showOverallLoading(false);
  updateFileList();

  // 统计文件类型
  console.log(`已添加 ${uploadedFiles.length} 个文件`);
}

// 显示总体加载状态
function showOverallLoading(loading) {
  const fileInput = document.getElementById('fileInput');
  const fileList = document.getElementById('fileList');

  if (loading) {
    fileInput.style.opacity = '0.6';
    fileList.innerHTML = '<div style="text-align: center; padding: 20px; color: #666;"> 正在处理文件，请稍候...</div>';
  }
}

```

```

    } else {
        fileInput.style.opacity = '1';
    }
}

// showFileLoading 函数
function showFileLoading(fileName, loading, progress = null) {
    const fileList = document.getElementById('fileList');
    let existingItem = fileList.querySelector('[data-filename="' + fileName + '"]');

    if (loading) {
        if (!existingItem) {
            existingItem = document.createElement('div');
            existingItem.className = 'file-item';
            existingItem.setAttribute('data-filename', fileName);
            fileList.appendChild(existingItem);
        }

        let progressText = "";
        if (progress) {
            progressText = `<span style="color: #666; font-size: 10px;">${progress}%</span>`;
        }

        existingItem.innerHTML = `
            <span style="display: flex; align-items: center;">
                □ 正在处理: ${fileName} ${progressText}
            </span>
        `;
    } else {
        if (existingItem) {
            existingItem.innerHTML = `
                <span style="display: flex; align-items: center;">
                    □ ${fileName}
                </span>
            `;
        }
    }
}

// 显示文件错误
function showFileError(fileName, errorMsg) {
    const fileList = document.getElementById('fileList');
    const item = document.createElement('div');
    item.className = 'file-item';
    item.style.backgroundColor = '#ffebee';
    item.innerHTML = `
        <span style="color: #d32f2f;">□ ${fileName}: ${errorMsg}</span>
    `;
    fileList.appendChild(item);
}

// 文件上传前的验证

```

```
function validateFileBeforeUpload(file) {
  const fileName = file.name.toLowerCase();
  const fileSize = file.size;
  const allowedTypes = [
    'image/jpeg', 'image/png', 'image/gif', 'image/bmp', 'image/webp',
    'application/pdf', 'application/vnd.openxmlformats-officedocument.wordprocessingml.document',
    'text/plain', 'application/msword'
  ];

  // 检查文件类型
  const isValidType = allowedTypes.includes(file.type) ||
    fileName.endsWith('.pdf') ||
    fileName.endsWith('.docx') ||
    fileName.endsWith('.txt') ||
    fileName.endsWith('.doc');

  if (!isValidType) {
    return {
      valid: false,
      error: `不支持的文件格式: ${file.name}。支持的格式: PDF, DOCX, TXT, JPG, PNG, GIF, BMP`
    };
  }

  // 检查文件大小
  if (fileSize > 15 * 1024 * 1024) {
    return {
      valid: false,
      error: `文件 ${file.name} 太大 (超过 15MB), 请压缩后重试`
    };
  }

  return { valid: true };
}

function getLanguageName(langCode) {
  const names = {
    'en': 'English',
    'zh': '中文',
    'fr': 'Français',
    'es': 'Español',
    'de': 'Deutsch',
    'ru': 'Русский',
    'ar': 'العربية',
    'eo': 'Esperanto',
    'la': 'Latina',
    'ja': '日本語',
    'pt': 'Português',
    'sw': 'Kiswahili',
    'it': 'Italiano',
    'nl': 'Nederlands',
    'pl': 'Polski',
    'uk': 'Українська',
  };
}
```

```

    'tr': 'Türkçe',
    'fa': 'فارسی',
    'ko': '한국어',
    'hi': 'हिन्दी',
    'id': 'Bahasa Indonesia',
    'ms': 'Bahasa Melayu',
    'th': 'ไทย',
    'fil': 'Filipino',
    'my': 'မြန်မာ',
    'sv': 'Svenska',
    'el': 'Ελληνικά',
    'am': 'አማርኛ',
    'qu': 'Runa Simi',
    'bn': 'বাংলা',
    'bo': 'བོད་སྐད་',
    'ug': 'ئۇيغۇرچە'
  };
  return names[langCode] || 'English';
}

function getBMICategory(bmi, lang) {
  bmi = parseFloat(bmi);
  if (bmi < 18.5) return '(偏瘦/Underweight)';
  if (bmi < 25) return '(正常/Normal)';
  if (bmi < 30) return '(超重/Overweight)';
  return '(肥胖/Obese)';
}

function getBloodPressureCategory(systolic, diastolic, lang) {
  systolic = parseInt(systolic);
  diastolic = parseInt(diastolic);
  if (systolic < 120 && diastolic < 80) return '(正常/Normal)';
  if (systolic < 130 && diastolic < 80) return '(升高/Elevated)';
  if (systolic < 140 || diastolic < 90) return '(高血压 1 级/Stage 1 Hypertension)';
  return '(高血压 2 级/Stage 2 Hypertension)';
}

function getFileDescription(fileName, lang) {
  if (fileName.match(/\.(jpg|png|gif|bmp|i)/)) {
    return '图像已上传。可能包含实验室检查、影像报告等信息，将由 AI 模型进行详细分析。';
  } else if (fileName.match(/\.(doc|docx|txt|i)/)) {
    return '文本文档已上传。包含医疗记录，AI 模型将提取关键信息进行诊断参考。';
  }
  return '文件已上传供 AI 模型参考。';
}

function escapeHtml(text) {
  const div = document.createElement('div');
  div.textContent = text;
  return div.innerHTML;
}

```

```

// 生成分析摘要
function generateAnalysisSummary() {
  const lang = translations[currentLang];
  const summary = `
    <div style="page-break-before: always; padding: 20px; background: white; border: 2px solid #667eea; border-radius:
8px; margin: 20px 0;">
      <h2 style="text-align: center; color: #667eea; margin-bottom: 20px;">□ 多 AI 诊断分析摘要</h2>

      <div style="display: grid; grid-template-columns: 1fr 1fr; gap: 15px; margin-bottom: 20px;">
        <div style="background: #e8f5e9; padding: 15px; border-radius: 5px;">
          <h3 style="color: #2e7d32; margin-bottom: 10px;">□ 共识观点 (${comparison.agreements.length}
个)</h3>

          <ul style="line-height: 1.6; font-size: 12px;">
            ${comparison.agreements.slice(0, 5).map((agreement, idx) =>
              `<li>${agreement.ais.join(' & ')}: ${agreement.section} 高度一致</li>`
            ).join("") || `<li>暂无具体共识点</li>`}
          </ul>
        </div>

        <div style="background: #fff3cd; padding: 15px; border-radius: 5px;">
          <h3 style="color: #856404; margin-bottom: 10px;">□□ 分歧点 (${comparison.disagreements.length}
个)</h3>

          <ul style="line-height: 1.6; font-size: 12px;">
            ${comparison.disagreements.slice(0, 3).map((disagreement, idx) =>
              `<li>${disagreement.ais.join(' vs ')}: ${disagreement.section} 存在差异</li>`
            ).join("") || `<li>暂无明显分歧</li>`}
          </ul>
        </div>
      </div>

      <div style="margin-top: 20px; padding: 15px; background: #e3f2fd; border-radius: 5px;">
        <h3 style="color: #1976d2; margin-bottom: 10px;">□ 整体置信度 :
${(comparison.confidenceScores.overall || 0).toFixed(1)}%</h3>
        <div style="display: flex; justify-content: space-around; font-size: 12px;">
          <div>诊断置信度: ${comparison.confidenceScores.assessmentConfidence || 0}%</div>
          <div>检查建议: ${comparison.confidenceScores.testConfidence || 0}%</div>
          <div>治疗建议: ${comparison.confidenceScores.recommendationConfidence || 0}%</div>
        </div>
      </div>

      <div style="margin-top: 20px; padding: 15px; background: #f3e5f5; border-radius: 5px;">
        <h3 style="color: #7b1fa2; margin-bottom: 10px;">□ 决策建议</h3>
        <ol style="line-height: 1.6; font-size: 12px;">
          <li><strong>优先执行: </strong> 所有 AI 一致建议的检查和治疗</li>
          <li><strong>专业咨询: </strong> 分歧较大的诊断需咨询多位医生</li>
          <li><strong>综合判断: </strong> 结合 AI 建议、医生意见和自身症状</li>
          <li><strong>紧急处理: </strong> 症状加重时立即就医, 不等待 AI 分析</li>
          <li><strong>持续监测: </strong> 定期复查, 动态调整治疗方案</li>
        </ol>
      </div>
    </div>`;
};

```

```

    return summary;
}

function downloadReport() {
    // 在下载前添加分析摘要
    if (lastReportContent && selectedAIsForReport.length > 1) {
        const analysisSummary = generateAnalysisSummary();
        const element = document.getElementById('resultContent');

        // 临时添加分析摘要到报告中
        const tempDiv = document.createElement('div');
        tempDiv.innerHTML = analysisSummary;
        tempDiv.style.pageBreakBefore = 'always';
        tempDiv.style.marginTop = '30px';

        element.appendChild(tempDiv);
    }

    const opt = {
        margin: 10,
        filename: `DR_SUN_YATSEN_MultiAI_Report_${new Date().toISOString().split("T")[0]}.pdf`,
        image: { type: 'jpeg', quality: 0.98 },
        html2canvas: { scale: 2 },
        jsPDF: { unit: 'mm', format: 'a4', orientation: 'portrait' }
    };

    html2pdf().set(opt).from(document.getElementById('resultContent')).save();

    // 如果添加了临时内容, 移除它
    if (lastReportContent && selectedAIsForReport.length > 1) {
        document.getElementById('resultContent').innerHTML = lastReportContent;
    }
}

function getRestingHrCategory(hr) {
    const v = parseInt(hr, 10);
    if (!v) return "";
    const isZh = (currentLang === 'zh');
    if (v < 50) return isZh ? '(偏低/可能为缓慢心率, 请结合症状评估)': '(Low/Bradycardia? Assess with symptoms)';
    if (v >= 60 && v <= 100) return isZh ? '(正常)': '(Normal)';
    if (v > 100) return isZh ? '(偏高/可能为心动过速, 请结合症状评估)': '(High/Tachycardia? Assess with symptoms)';
    return "";
}

</script>

<script src="http://www.iaees.org/publications/software/JavaScript/pdf.min.js"></script>
<script src="http://www.iaees.org/publications/software/JavaScript/pdf.worker.min.js"></script>
<script src="http://www.iaees.org/publications/software/JavaScript/mammoth.browser.min.js"></script>
<script src="http://www.iaees.org/publications/software/JavaScript/tesseract.min.js"></script>
<script src="http://www.iaees.org/publications/software/JavaScript/html2pdf.bundle.min.js"></script>

```

</body>

</html>

The figure consists of two screenshots of a web browser displaying the 'DR SUN YATSEN - AI Medical Clinic' interface. The browser's address bar shows the URL: [iaees.org/publications/journals/nb/articles/2026-16\(3\)/DRSUNYATSEN.htm](https://iaees.org/publications/journals/nb/articles/2026-16(3)/DRSUNYATSEN.htm). The page title is 'DR SUN YATSEN - AI Medical Clinic'. A language dropdown menu is set to 'English'. The main content area is divided into sections:

I. Your Basic Information

Gender: Male (dropdown menu)
 Age:
 Weight (kg):
 Height (cm):
 Systolic BP (mmHg):
 Diastolic BP (mmHg):

II. Your Chief Complaint *

This is the most important question; the clearer the description, the better.

Where is the discomfort? Which specific location?
 What is the nature of the discomfort? Is it pain (stabbing, distending, dull?), itching, numbness, soreness, heartburn, dizziness?
 When did it start? What specific day, and was it sudden or gradual?
 How long has it persisted? Is it continuous or intermittent?

III. Your Health Status and Medical History

Do not conceal your health status and medical history (especially surgical and infectious disease history), as this is crucial for diagnosis.

Past Medical History: What major illnesses have you had in the past? (such as hypertension, diabetes, heart disease, hepatitis, tuberculosis, surgical history, trauma history, etc.)
 Medication History: What medications are you currently taking (including prescription drugs, over-the-counter drugs, supplements, herbal medicine)? Are you allergic to any medications or foods?

Fig. 1 DR SUN YATSEN.

7 Diagnosis Cases

In the following examples, select Chinese as the language. Select DeepSeek as an example for AI. First, register in <https://platform.deepseek.com> to get the API key and pay for API use (a very little cost, e.g., 5 cents). Once pressing “Submit” and waiting for several seconds, the results will be shown.

Case 1: 中文 (Language: Chinese)

男，60岁
 (Male, 60 years older)

主诉：前天开始感觉头晕，昨天也是头晕就去医院就医。现在左手、左脚、左边身体、左边脸感觉很麻痺；扶着东西能勉强自己走动，但是感觉明显麻痺难受。

(Chief Complaint: I started feeling dizzy the day before yesterday, and yesterday I went to the hospital because I was still dizzy. Now I feel numbness in my left hand, left foot, left side of my body, and left side of my face; I can barely walk by holding onto something, but the numbness and discomfort are very noticeable.)

即往和最近的生理和生化检验报告、影像报告等（jpg格式），共7个文件。

(The most recent physiological and biochemical test reports, imaging reports, etc. (jpg format), a total of 7 files.)

诊断报告

AI诊断: DeepSeek

医学诊断报告

报告日期： 2023 年 10 月 27 日

患者： 男性，60 岁

I. 整体评估和核心结论

根据患者“急性左侧肢体及面部麻木、头晕”的主诉，结合关键的头颅磁共振（MRI）检查结果，现明确诊断如下：

核心诊断：急性缺血性脑卒中（脑梗死），具体为右侧丘脑急性腔隙性脑梗死。

疾病性质：急性脑血管事件，属于神经内科急症。

责任病灶：右侧丘脑新发梗死灶（DWI 高信号）。这是导致患者左侧面部、肢体感觉麻木（偏身感觉障碍）的直接原因。丘脑是感觉传导的中继站，此部位梗死典型表现为对侧偏身感觉异常。

其他发现：

脑白质变性（Fazekas I 级）：提示存在慢性脑小血管病变，是本次急性脑梗死的病理基础之一，也是未来卒中再发的危险因素。

脉络裂囊肿、大枕大池、上颌窦囊肿：均为良性、先天性或退行性改变，与本次急性神经功能缺损症状无关。

不完全性右束支传导阻滞：为心电图常见良性变异，但需关注其作为潜在心脏结构或传导系统疾病的提示，需定期复查。

实验室检查：血常规、凝血功能、电解质、肾功能基本正常。空腹血糖 6.16 mmol/L，已达到“空腹血糖受损”标准，是脑血管病的重要危险因素。

结论：患者目前情况明确为急性脑梗死，虽目前 NIHSS 评分可能不高（轻症卒中），但必须立即启动二级预防，以防止卒中复发及病情进展。所有后续分析与建议均围绕此核心诊断展开。

II. 结果详细解读、主要异常和临床意义

检查项目	关键结果	参考范围（示例）	临床意义解读
:---	:---	:---	:---

| 神经影像学 |||

| 头颅 MRI | 右侧丘脑急性腔隙性脑梗死灶 (DWI 高信号) | 无 | 核心诊断依据。 DWI 高信号提示细胞毒性水肿, 确诊为急性期 (通常 <2 周) 梗死。病灶位于右侧丘脑, 完美解释了左侧偏身感觉麻木的症状。 |

|| 脑白质变性 (Fazekas I 级) | 无 | 提示脑小动脉硬化、慢性缺血性改变。是本次卒中中的“土壤”, 显著增加未来再发卒中、认知功能下降及步态异常的风险。 |

|| 右侧基底节区脉络裂囊肿、大枕大池 | 无 | 均为良性、无症状的发育变异或退行性改变, 无临床处理必要。 |

| 头颅 CT | 右侧基底节区低密度影 (考虑脉络裂囊肿) | 无 | 与 MRI 描述一致, CT 对急性小脑梗死灶不敏感, 未检出丘脑梗死, 凸显了 MRI 在急性卒中诊断中的优越性。 |

| 实验室检查 |||

| 血糖 | 空腹葡萄糖: 6.16 mmol/L | 3.9-6.1 mmol/L | 明确异常。 达到“空腹血糖受损”诊断标准, 是动脉粥样硬化的独立危险因素, 必须立即开始生活方式干预, 并监测糖化血红蛋白 (HbA1c)。 |

| 血常规 | 血红蛋白: 161 g/L | 130-175 g/L | 处于正常高值。轻度升高可能与脱水、吸烟或慢性缺氧有关, 血液粘稠度轻度增加, 是卒中的次要危险因素。 |

| 凝血功能 | 均在正常范围 | - | 排除了凝血功能异常导致的出血倾向, 支持缺血性卒中的诊断。 |

| 电解质/肾功能 | 均在正常范围 | - | 排除了电解质紊乱或严重肾功能不全等可能导致意识障碍或加重脑水肿的代谢因素。 |

| 心电图 | 不完全性右束支传导阻滞 | - | 常见于健康人群, 但也可见于肺动脉高压、冠心病等。需结合心脏超声评估, 以排除心源性栓塞的潜在风险。 |

III. 分析与建议

(1) 病因溯源与推断

本次急性腔隙性脑梗死的根本病因是脑小血管病, 其病理基础是高血压、糖尿病等导致的小动脉玻璃样变和脂质透明变性。结合患者情况, 病因推断如下:

首要可干预病因:

高血压病: 虽未提供本次血压, 但 60 岁男性、存在脑白质变性, 高度提示长期未受良好控制的高血压病史。这是脑小血管病最常见的病因。

糖代谢异常: 已证实为空腹血糖受损, 是动脉粥样硬化和小血管病变的重要推手。

高同型半胱氨酸血症? 常见于中国人群, 是脑小血管病和卒中的独立危险因素, 需检查确认。

其他潜在病因需排查:

心源性栓塞: 虽然病灶符合小动脉闭塞特点, 但任何卒中均需排除房颤等心律失常。需进行 24 小时动态心电图监测。

大动脉粥样硬化: 需进行颈动脉超声和经颅多普勒 (TCD) 检查, 评估颅内外大血管有无斑块及狭窄。

其他: 如高脂血症、吸烟饮酒史、睡眠呼吸暂停等, 均需通过问诊和检查明确。

(2) 综合分析 with 详细建议

病情分析: 患者为急性缺血性卒中, 目前神经功能缺损症状 (感觉麻木) 明确但相对局限, 属于“轻症卒中”。然而, 轻症卒中复发及进展风险不容忽视, 且已存在的脑白质变性提示脑血管基础条件较差。

全面建议:

立即就医与专科随访:

科室: 神经内科 卒中门诊或专病门诊。

行动： 立即携带全部报告就诊。即使症状稳定，也需在医生指导下启动规范化二级预防治疗。

进一步检查建议（完善病因筛查与风险评估）：

必需检查：

血管评估： 颈动脉超声、TCD、头颈 CTA 或 MRA（评估颅内外血管）。

心脏评估： 24 小时动态心电图、心脏超声。

血液检查： 血脂全套（特别是低密度脂蛋白 LDL-C）、糖化血红蛋白（HbA1c）、同型半胱氨酸。

可选检查： 根据情况，可能需进行高凝状态筛查、自身免疫抗体等。

药物治疗建议（必须在神经内科医生处方和指导下进行）：

抗血小板治疗： 如无禁忌，立即启动。常用阿司匹林联合氯吡格雷短期双抗治疗（适用于急性期轻症卒中），后改为单药长期维持。

他汀类药物： 无论血脂水平，均应启动强化他汀治疗（如阿托伐他汀或瑞舒伐他汀），以稳定斑块、抗炎、保护血管内皮。

控制危险因素：

降压： 目标值通常 $<140/90$ mmHg，长期目标可更低。需每日监测血压。

控糖： 严格饮食控制，监测血糖。若 HbA1c 超标，需内分泌科会诊，考虑使用降糖药物。

降低同型半胱氨酸： 如升高，补充叶酸、维生素 B6 和 B12。

生活方式与康复干预：

饮食： 立即采取低盐、低脂、低糖、富含蔬菜水果和全谷物的“地中海饮食”或“DASH 饮食”。

运动： 在安全前提下，尽早开始康复锻炼。从床边活动、步行开始，逐渐增加强度。建议咨询康复治疗师进行个体化指导。

戒烟限酒： 必须彻底戒烟，严格限制或戒酒。

康复训练： 针对左侧感觉麻木，可进行感觉再教育训练（如用不同材质物品刺激皮肤）。同时进行平衡和步态训练，预防跌倒。

监测与教育： 学习识别卒中复发征兆（FAST 原则：面瘫、臂无力、言语困难、快打 120），定期复查。

IV. 与主诉病情有关的基本知识

什么是腔隙性脑梗死？ 指大脑深部细小穿支动脉闭塞引起的、直径通常小于 15 毫米的小梗死灶。常见病因是高血压小动脉病变。症状相对较轻，但易复发，多次累积可导致“血管性痴呆”和“步态异常”。

为什么头晕和麻木是卒中信号？ 头晕可能由后循环缺血或前庭神经核受累引起。单侧肢体、面部麻木是大脑感觉皮层或感觉传导通路（如丘脑）受损的典型表现。突发的一侧肢体无力或麻木，是卒中最重要的警示信号。

脑白质变性的意义： 可理解为大脑的“慢性缺血”状态，是血管老化、损伤的标志。它像“土壤”一样，使得新发梗死（“种子”）更容易发生。控制血管危险因素可延缓其进展。

“轻症卒中”为何需要重视？ 轻症卒中后 90 天内复发风险高达 10-15%，且部分患者功能缺损会逐步进展。因此，它与重症卒中一样，需要立即、规范的评估和治疗。

重要提醒： 本报告基于您提供的有限信息生成，不能替代执业医师的面对面诊疗。患者需尽快前往医院神经内科完成全面评估，并严格遵从医嘱进行治疗和随访。

祝您早日康复！

(Diagnostic Report

AI Diagnosis: DeepSeek

Medical Diagnostic Report

Report Date: October 27, 2023

Patient: Male, 60 years old

I. Overall Assessment and Core Conclusion

Based on the patient's chief complaint of "acute numbness in the left limbs and face, and dizziness," combined with the key findings of a cranial magnetic resonance imaging (MRI) scan, the following diagnosis is made:

Core Diagnosis: Acute ischemic stroke (cerebral infarction), specifically an acute lacunar infarction in the right thalamus.

Nature of the Disease: Acute cerebrovascular event, a neurological emergency.

Responsible Lesion: New infarct in the right thalamus (high signal on DWI). This is the direct cause of the patient's left-sided facial and limb sensory numbness (hemispheric sensory disturbance). The thalamus is a relay station for sensory conduction; infarction in this area typically presents as contralateral hemispheric sensory abnormality.

Other findings: ****White matter degeneration (Fazekas grade I):**** Suggests chronic small vessel disease, a pathological basis for this acute ischemic stroke and a risk factor for future stroke recurrence.

****Choroid fissure cyst, cisterna magna, maxillary sinus cyst:**** All are benign, congenital, or degenerative changes, unrelated to the current acute neurological deficit symptoms.

****Incomplete right bundle branch block:**** A common benign ECG variation, but its potential as a sign of underlying cardiac structure or conduction system disease warrants regular follow-up.

****Laboratory tests:**** Complete blood count, coagulation function, electrolytes, and renal function were essentially normal. Fasting blood glucose was 6.16 mmol/L, meeting the criteria for "impaired fasting glucose," a significant risk factor for cerebrovascular disease.

****Conclusion:**** The patient's current condition is clearly acute ischemic stroke. Although the current NIHSS score may not be high (mild stroke), secondary prevention must be initiated immediately to prevent stroke recurrence and disease progression. All subsequent analyses and recommendations will revolve around this core diagnosis.

II. Detailed Interpretation of Results, Key Abnormalities, and Clinical Significance

| Examination Items | Key Results | Reference Range (Example) | Clinical Significance Interpretation |

| :--- | :--- | :--- | :--- |

| Neuroimaging | | |

| Head MRI | Acute lacunar infarction in the right thalamus (high signal on DWI) | None | Core diagnostic criterion. High signal on DWI suggests cytotoxic edema, confirming an acute (usually <2 weeks) infarction. The lesion is located in the right thalamus, perfectly explaining the left hemisensory numbness. |

|| White matter degeneration (Fazekas grade I) | None | Suggests cerebral arteriosclerosis and chronic ischemic changes. This is the "soil" for this stroke, significantly increasing the risk of future stroke, cognitive decline, and gait abnormalities. | | Right basal ganglia choroid cyst, cisterna magna | None | Both are benign, asymptomatic developmental variations or degenerative changes, requiring no clinical intervention. |

| Head CT | Low-density lesion in the right basal ganglia (suggestive of choroid cyst) | None | Consistent with MRI description. CT is not sensitive to acute small infarcts, and no thalamic infarction was detected, highlighting the superiority of MRI in the diagnosis of acute stroke. |

| Laboratory Tests | | |

| Blood Glucose | Fasting glucose: 6.16 mmol/L | 3.9-6.1 mmol/L | Clearly abnormal. Meeting the diagnostic criteria for "impaired fasting glucose" is an independent risk factor for atherosclerosis, requiring immediate lifestyle intervention and monitoring of glycated hemoglobin (HbA1c). |

| Complete Blood Count | Hemoglobin: 161 g/L | 130-175 g/L | High within the normal range. Mild elevation may be related to dehydration, smoking, or chronic hypoxia. Mildly increased blood viscosity is a secondary risk factor for stroke. |

| Coagulation function | All within normal range | - | Excludes bleeding tendency caused by coagulation dysfunction, supporting the diagnosis of ischemic stroke. |

| Electrolytes/Renal function | All within normal range | - | Excludes metabolic factors that may cause impaired consciousness or aggravate cerebral edema, such as electrolyte disturbances or severe renal insufficiency. |

| Electrocardiogram | Incomplete right bundle branch block | - | Common in healthy individuals, but can also be seen in pulmonary hypertension, coronary heart disease, etc. Further echocardiography is needed to rule out the potential risk of cardioembolic events. |

III. Analysis and Recommendations

(1) Etiological Origin and Inference

The fundamental cause of this acute lacunar infarction is cerebral small vessel disease, the pathological basis of which is hyalinization and lipid hyaline degeneration of small arteries caused by hypertension, diabetes, etc. Based on the patient's condition, the following etiologies are inferred:

Primary Interventional Causes:

Hypertension: Although blood pressure was not provided for this instance, the patient is a 60-year-old male with leukoencephalopathy, strongly suggesting a long history of poorly controlled hypertension. This is the most common cause of cerebral small vessel disease.

Abnormal Glucose Metabolism: Impaired fasting glucose has been confirmed, a significant contributor to atherosclerosis and small vessel disease.

Hyperhomocysteinemia? Common in the Chinese population, it is an independent risk factor for cerebral small vessel disease and stroke, requiring further investigation.

Other Potential Causes to be Investigated:

Cardiac Embolism: Although the lesion is consistent with small artery occlusion, any stroke requires ruling out arrhythmias such as atrial fibrillation. 24-hour Holter monitoring is necessary.

Large Artery Atherosclerosis: Carotid ultrasound and transcranial Doppler (TCD) examinations are required to assess for plaque and stenosis in intracranial and extracranial large vessels.

Other factors, such as hyperlipidemia, history of smoking and alcohol consumption, and sleep apnea, all require diagnosis and examination.

(2) Comprehensive Analysis and Detailed Recommendations

Disease Analysis: The patient has suffered an acute ischemic stroke. Currently, the neurological deficit symptoms (numbness) are clear but relatively localized, classifying it as a "mild stroke." However, the risk of recurrence and progression of mild stroke should not be ignored, and the existing white matter degeneration suggests poor underlying cerebrovascular conditions.

Comprehensive Recommendations:

Immediate Medical Treatment and Specialist Follow-up:

Department: Neurology, Stroke Clinic or Specialty Clinic.

Action: Immediately seek medical attention with all reports. Even if symptoms are stable, standardized secondary prevention treatment should be initiated under the guidance of a doctor.

Further Examination Recommendations (Complete Etiological Screening and Risk Assessment):

Required Examinations:

Vascular Assessment: Carotid ultrasound, TCD, head and neck CTA or MRA (assessment of intracranial and extracranial vessels).

Cardiac Assessment: 24-hour Holter monitoring, echocardiography. Blood tests: Complete lipid panel (especially LDL-C), glycated hemoglobin (HbA1c), homocysteine.

Optional tests: Depending on the situation, screening for hypercoagulable states and autoimmune antibodies may be required.

Pharmacological treatment recommendations (must be prescribed and guided by a neurologist):

Antiplatelet therapy: Initiate immediately if there are no contraindications. Commonly used is short-term dual antiplatelet therapy with aspirin and clopidogrel (suitable for acute, mild stroke), later switched to monotherapy for long-term maintenance.

Statin therapy: Regardless of lipid levels, intensive statin therapy (such as atorvastatin or rosuvastatin) should be initiated to stabilize plaques, reduce inflammation, and protect the vascular endothelium.

Risk factor control:

Blood pressure: Target value is usually <140/90 mmHg, long-term target can be lower. Daily blood pressure monitoring is required.

Blood glucose control: Strict dietary control and blood glucose monitoring. If HbA1c is elevated, endocrinology consultation is required, and the use of hypoglycemic drugs should be considered.

Lower homocysteine levels: If elevated, supplement with folic acid, vitamin B6, and B12.

Lifestyle and Rehabilitation Interventions:

Diet: Immediately adopt a low-salt, low-fat, low-sugar diet rich in vegetables, fruits, and whole grains, following either the Mediterranean or DASH diet.

Exercise: Begin rehabilitation exercises as early as possible, provided it is safe. Start with bedside activities and walking, gradually increasing the intensity. Consult a rehabilitation therapist for individualized guidance.

Smoking and Alcohol Abstinence: Smoking must be completely stopped, and alcohol consumption must be strictly limited or abstained from.

Rehabilitation Training: For left-sided sensory numbness, sensory re-education training can be conducted (e.g., stimulating the skin with objects of different textures). Simultaneously, balance and gait training should be performed to prevent falls.

Monitoring and Education: Learn to recognize signs of stroke recurrence (FAST principle: facial paralysis, arm weakness, speech difficulties, call 120 immediately), and have regular follow-up examinations.

IV. Basic Knowledge Related to the Chief Complaint

What is lacunar infarction? A stroke is a small infarct, usually less than 15 mm in diameter, caused by the

occlusion of tiny perforating arteries deep within the brain. A common cause is hypertension-related arteriolar disease. Symptoms are relatively mild, but recurrence is common, and repeated occurrences can lead to vascular dementia and gait abnormalities.

Why are dizziness and numbness warning signs of stroke? Dizziness may be caused by posterior circulation ischemia or involvement of the vestibular nuclei. Unilateral limb or facial numbness is a typical manifestation of damage to the cerebral sensory cortex or sensory conduction pathways (such as the thalamus). Sudden weakness or numbness on one side of the body is the most important warning sign of stroke.

The significance of white matter degeneration: It can be understood as a state of "chronic ischemia" in the brain, a sign of vascular aging and damage. Like "soil," it makes new infarcts ("seeds") more likely to occur. Controlling vascular risk factors can slow its progression.

Why is "minor stroke" important? The risk of recurrence within 90 days after a minor stroke is as high as 10-15%, and functional deficits in some patients will gradually progress. Therefore, like severe stroke, it requires immediate and standardized evaluation and treatment.

Important Reminder: This report is generated based on the limited information you provided and cannot replace a face-to-face consultation with a licensed physician. Patients should visit a hospital's neurology department as soon as possible for a comprehensive evaluation and strictly follow the doctor's instructions for treatment and follow-up.)

Case 2: 中文 (Language:Chinese)

男, 17 岁

(Male, 17 years older)

主诉: 做近视手术后日常复查中, 发现右眼视网膜有裂孔。

(Chief Complaint: During a routine check-up after undergoing LASIK surgery, a retinal tear was discovered in my right eye.)

医疗就诊和检查: 眼科医院建议做激光治疗。

(Medical Visits and Examinations: The ophthalmology hospital recommended laser treatment.)

最近的眼科检查报告 (jpg格式), 共1个文件。

(The most recent eye exam report (jpg format), in total of 1 file)

诊断报告

AI诊断: DeepSeek

医学诊断报告

报告日期: 2026年1月1日 (基于医疗文件日期)

性别: 男

年龄： 17岁

I. 整体评估和核心结论

根据患者主诉及上传的医疗文件（贵州爱尔眼科医院门诊病历），核心结论如下：

患者为17岁男性，在近视激光矫正术后常规复查中，发现右眼视网膜存在变性灶及裂孔。目前视力尚可（右眼1.2，左眼1.5），眼压正常，玻璃体及视网膜整体情况稳定，未见视网膜脱离。然而，视网膜裂孔是视网膜脱离的明确高危因素，属于需要紧急干预的眼科急症前状态。当前的首要任务是预防视网膜脱离的发生。眼科医生已建议进行视网膜激光光凝治疗，这是目前处理此类问题的标准且有效的预防性方案。

II. 结果详细解读、主要异常和临床意义

视力与眼压：

OD（右眼）：1.2， OS（左眼）：1.5：患者双眼矫正视力良好，表明当前裂孔尚未累及黄斑中心凹，中心视力未受影响。

眼压（NCT测量）：右眼10.7 mmHg， 左眼11.3 mmHg：双眼眼压均在正常范围内，可排除青光眼等与眼压相关的急症。

专科检查关键发现：

右眼颞上方视网膜变性灶及裂孔：这是本次检查的核心异常发现。

视网膜变性：通常指视网膜局部变薄、萎缩或出现格子样改变，是视网膜结构薄弱的表现。

视网膜裂孔：在变性灶区域内出现了视网膜神经上皮层的全层破裂，形成了一个“破口”。玻璃体腔内的液体可能通过此破口进入视网膜下，导致视网膜神经上皮层与下方的色素上皮层分离，即发生孔源性视网膜脱离。

其他结构：角膜、前房、虹膜、晶状体检查均未见明显异常。玻璃体“稍混浊”在近视眼中常见，可能与玻璃体液化有关。眼底视盘、血管及黄斑中心凹反射未见异常，是积极信号。

临床意义：

紧急程度：视网膜裂孔本身不立即危及生命，但它是导致视力永久性严重丧失（视网膜脱离）的直接风险。一旦发生脱离，特别是累及黄斑，即使手术复位，视力也难以完全恢复。因此，预防性治疗刻不容缓。

与近视手术的关联：高度近视（眼轴过长）是视网膜变性和裂孔的高危因素。近视激光矫正手术（如LASIK、SMILE）矫正了角膜曲率，但并未改变眼轴过长、视网膜变薄的解剖学基础。术后定期的眼底检查至关重要，本次发现正体现了复查的价值。

III. 分析与建议

(1) 病因溯源与推断

患者右眼视网膜裂孔的形成，是多种因素共同作用的结果，可能病因按可能性排序如下：

首要原因：病理性近视/眼轴过长：患者有“双眼屈光不正矫正术”史，表明术前存在中高度近视。近视，尤其是轴性近视，会导致眼球壁（巩膜）向后扩张，视网膜随之被拉伸、变薄，周边部容易出现变性区（如格子样变性）和裂孔。这是最可能的基础病因。

诱发因素：玻璃体牵拉：随着年龄增长或近视眼，玻璃体发生液化、后脱离。在脱离过程中，玻璃体皮质与视网膜粘连紧密处（如变性区边缘）可能产生异常牵拉，撕破视网膜形成裂孔。病历中“玻璃体稍混浊”可能与此过程有关。

其他因素：外伤史（即使很轻微）、遗传因素（家族性视网膜疾病史）也可能参与其中，但当前信息未提及。

(2) 综合分析 with 详细建议

病情分析：患者目前处于“视网膜裂孔期，未发生脱离”。这是进行预防性治疗的黄金窗口期。激光治疗的目的是在裂孔周围制造一排牢固的“焊接点”（瘢痕），将裂孔边缘的视网膜与下层组织牢固粘连，封闭裂孔，防止液体进入，从而极大降低未来发生视网膜脱离的风险。成功率很高。

具体建议：

紧急治疗建议（首要行动）：

立即接受视网膜激光光凝治疗：强烈建议遵从眼科医生建议，尽快安排右眼视网膜裂孔的激光治疗。这是预防视网膜脱离的标准疗法，门诊即可完成，创伤小，恢复快。

治疗前注意事项：在激光治疗前，应避免剧烈运动、重体力劳动、头部剧烈晃动（如蹦极、过山车），以减少玻璃体晃动对视网膜的牵拉。

进一步检查建议：

完善双眼周边视网膜详细检查：在激光治疗时或治疗后，医生会使用三面镜或全景激光扫描检眼镜，对双眼（尤其是左眼）的周边视网膜进行360度详细检查，排除其他潜在的变性区或微小裂孔。

眼轴长度测量：了解眼轴的具体长度，有助于评估未来对侧眼发生类似问题的风险。

生活方式与随访建议：

定期复查：即使激光治疗后，也必须遵医嘱定期复查（如术后1周、1个月、3个月，之后每6-12个月）。

重点监测激光斑反应及周边视网膜情况。

自我监测：教会患者识别视网膜脱离的预警症状：眼前出现大量新发的“飞蚊”、持续的闪光感（尤其在暗处或眼球转动时）、视野某方向出现固定的黑影或幕帘遮挡、视力突然下降。一旦出现任何一项，必须立即前往医院眼科急诊。

生活调整：长期避免眼部外伤和极度剧烈的头部运动。保持健康用眼习惯，但无需过度恐慌，正常生活、学习不受影响。

就诊科室：

首选：三甲医院眼科 或 专业眼科医院的【视网膜专科】或【眼底病科】。

这些科室拥有处理视网膜疾病的丰富经验和先进设备。

IV. 与主诉病情有关的基本知识

什么是视网膜裂孔？视网膜是眼球内壁一层感光的神经组织，类似照相机的底片。视网膜裂孔就是这层“底片”上出现了一个破洞。

为什么会发生视网膜脱离？眼球内充满着凝胶状的玻璃体。当玻璃体液化、收缩时，可能牵拉视网膜产生裂孔。眼内的液体（液化玻璃体）通过裂孔进入视网膜下层，使视网膜像墙纸一样从墙壁上脱落下来，这就是孔源性视网膜脱离。脱离的视网膜无法感光，导致相应区域的视野缺损和视力丧失。

激光治疗如何预防脱离？激光产生的热能，在裂孔周围形成一圈微小的瘢痕组织，将视网膜与下方的脉络膜“焊接”起来，形成一个坚固的堤坝，封堵裂孔，阻止液体进入。

近视手术与视网膜健康的关系：激光近视手术只改变了角膜的形态，并未治疗或改变近视眼本身存在的眼底（视网膜、脉络膜）薄弱、眼轴过长等解剖学风险。因此，近视人群（无论是否手术）都应定期进行详细的眼底检查，特别是高度近视者（>600度）。

免责声明：本报告由AI基于有限信息生成，旨在提供专业的医学知识解读与参考，不能替代执业医师的面对面诊疗。所有医疗决策请以主治医师的最终建议为准。

(Diagnostic Report)

AI Diagnosis: DeepSeek

Medical Diagnostic Report

Report Date: January 1, 2026 (based on medical document date)

Gender: Male

Age: 17 years old

I. Overall Assessment and Core Conclusions

Based on the patient's chief complaint and uploaded medical documents (outpatient medical record from Guizhou Aier Eye Hospital), the core conclusions are as follows:

The patient is a 17-year-old male. During a routine follow-up examination after laser eye surgery for myopia, degenerative lesions and a retinal tear were found in his right eye. Currently, his visual acuity is acceptable (right eye 1.2, left eye 1.5), intraocular pressure is normal, and the overall condition of the vitreous body and retina is stable, with no retinal detachment observed. However, a retinal tear is a clear high-risk factor for retinal detachment and represents a pre-emergency ophthalmic state requiring urgent intervention. The primary task at present is to prevent retinal detachment. The ophthalmologist has recommended retinal laser photocoagulation treatment, which is currently the standard and effective preventative measure for this type of problem.

II. Detailed Interpretation of Results, Main Abnormalities, and Clinical Significance

Visual Acuity and Intraocular Pressure:

OD (Right Eye): 1.2, OS (Left Eye): 1.5: The patient's corrected visual acuity is good in both eyes, indicating that the current retinal tear has not yet affected the fovea, and central vision is unaffected.

Intraocular Pressure (NCT Measurement): Right Eye 10.7 mmHg, Left Eye 11.3 mmHg: Both eye pressures are within the normal range, ruling out glaucoma and other intraocular pressure-related emergencies.

Key Findings from Specialist Examination:

Right Eye Superior Temporal Retinal Degeneration and Tear: This is the core abnormal finding of this examination.

Retinal Degeneration: Usually refers to localized thinning, atrophy, or lattice-like changes in the retina, indicating a weakened retinal structure.

Retinal Tear: A full-thickness tear of the retinal neuroepithelial layer occurs within the degenerative area,

forming a "break." Fluid from the vitreous cavity may enter the subretinal space through this tear, causing separation of the retinal neuroepithelial layer from the underlying pigment epithelium, i.e., rhegmatogenous retinal detachment.

Other structures: Examination of the cornea, anterior chamber, iris, and lens revealed no significant abnormalities. Slight vitreous opacity is common in myopic eyes and may be related to vitreous liquefaction. The optic disc, blood vessels, and foveal reflex were normal, which is a positive sign.

Clinical Significance:

Emergency: Retinal tears themselves are not immediately life-threatening, but they are a direct risk factor for permanent and severe vision loss (retinal detachment). Once detachment occurs, especially if the macula is involved, even with surgical repositioning, vision is unlikely to be fully restored. Therefore, preventative treatment is crucial.

Relevance to Refractive Surgery: High myopia (elongated axial length) is a high-risk factor for retinal degeneration and tears. Laser refractive surgeries (such as LASIK and SMILE) correct corneal curvature but do not alter the anatomical basis of elongated axial length and thinned retina. Regular postoperative fundus examinations are essential, and this finding demonstrates the value of follow-up examinations.

III. Analysis and Recommendations

(1) Etiology and Inference

The formation of the retinal tear in the patient's right eye was the result of multiple factors working together. The possible causes, ranked by probability, are as follows:

Primary Cause: Pathological Myopia/Elongated Axis: The patient has a history of "bilateral refractive error correction surgery," indicating pre-operative moderate to high myopia. Myopia, especially axial myopia, causes the sclera to expand posteriorly, stretching and thinning the retina, making the peripheral area prone to degeneration (such as lattice degeneration) and tears. This is the most likely underlying cause.

Inducing Factor: Vitreous Traction: With age or in cases of myopia, the vitreous humor liquefies and detaches. During detachment, abnormal traction may occur at points of tight adhesion between the vitreous cortex and the retina (such as the edge of the degeneration area), tearing the retina and forming a tear. The "slight vitreous opacity" mentioned in the medical record may be related to this process. Other factors: History of trauma (even minor) and genetic factors (family history of retinal disease) may also be involved, but are not mentioned in the current information.

(2) Comprehensive Analysis and Detailed Recommendations

Disease Analysis: The patient is currently in the "retinal tear stage, without detachment." This is the golden window for preventative treatment. The purpose of laser treatment is to create a row of strong "welding points" (scars) around the tear, firmly adhering the retina at the tear edge to the underlying tissue, sealing the tear, preventing fluid from entering, and thus greatly reducing the risk of future retinal detachment. The success rate is very high.

Specific Recommendations:

Emergency Treatment Recommendations (Priority Action): Immediately undergo retinal laser photocoagulation treatment: It is strongly recommended to follow the ophthalmologist's advice and schedule laser treatment for the right eye retinal tear as soon as possible. This is the standard treatment for preventing retinal detachment, can be completed on an outpatient basis, is minimally invasive, and has a fast recovery.

Pre-treatment Precautions: Before laser treatment, avoid strenuous exercise, heavy physical labor, and violent head movements (such as bungee jumping or roller coasters) to reduce the traction of vitreous movement on the retina. **Further Examination Recommendations:**

****Comprehensive Bilateral Peripheral Retinal Examination:**** During or after laser treatment, the doctor will use a three-mirror or panoramic laser scanning ophthalmoscope to perform a 360-degree detailed examination of the peripheral retina in both eyes (especially the left eye) to rule out other potential areas of degeneration or micro-tears.

****Axial Length Measurement:**** Knowing the specific length of the axial length helps assess the risk of similar problems occurring in the contralateral eye in the future.

****Lifestyle and Follow-up Recommendations:****

****Regular Follow-up:**** Even after laser treatment, regular follow-up examinations as prescribed by the doctor are essential (e.g., 1 week, 1 month, 3 months post-surgery, and every 6-12 months thereafter). Focus on monitoring laser spot reaction and the condition of the peripheral retina.

****Self-Monitoring:**** Teach patients to recognize the warning signs of retinal detachment: A large number of new "floaters" in the field of vision, persistent flashes of light (especially in the dark or when the eye moves), a fixed dark shadow or curtain obstructing vision in a certain direction, and a sudden decrease in vision. If any of these symptoms occur, immediate emergency ophthalmology consultation is necessary.

****Lifestyle Adjustments:**** Avoid eye injuries and extremely strenuous head movements in the long term. Maintain healthy eye habits, but there's no need to panic excessively; normal life and studies will not be affected.

Recommended Departments:

Preferred: Ophthalmology Department of a top-tier hospital or the Retina Department or Fundus Disease Department of a specialized eye hospital.

These departments have extensive experience and advanced equipment for treating retinal diseases.

IV. Basic Knowledge Related to the Chief Complaint

What is a retinal tear? The retina is a layer of light-sensitive nerve tissue lining the inner wall of the eyeball, similar to the film in a camera. A retinal tear is a hole in this "film."

Why does retinal detachment occur? The eyeball is filled with a gel-like vitreous humor. When the vitreous humor liquefies and contracts, it can pull on the retina, creating a tear. Fluid from the eye (liquefied vitreous humor) enters the subretinal layer through the tear, causing the retina to detach like wallpaper from a wall—this is rhegmatogenous retinal detachment. The detached retina cannot sense light, leading to visual field defects and vision loss in the corresponding area.

How can laser treatment prevent detachment? The heat generated by the laser forms a ring of tiny scar tissue around the corneal tear, "welding" the retina to the underlying choroid, creating a strong dam that seals the tear and prevents fluid from entering.

The relationship between refractive surgery and retinal health: Laser refractive surgery only changes the shape of the cornea; it does not treat or change the anatomical risks inherent in myopia, such as thinning of the fundus (retina and choroid) or excessive axial length. Therefore, people with myopia (regardless of whether they have undergone surgery) should have regular, detailed fundus examinations, especially those with high myopia (>600 degrees).

Disclaimer: This report was generated by AI based on limited information and is intended to provide professional medical knowledge interpretation and reference. It cannot replace face-to-face consultation with a licensed physician. All medical decisions should be based on the final advice of your attending physician.)

8 Discussion

DR SUN YATSEN is based on AI LLM. Like other outpatient diagnosis, its accuracy depends on the completeness of patient information. The clearer and more complete the patient information provided, the more accurate the diagnostic report will be. The provided laboratory and imaging documents must be clear, legible, and well-organized. Otherwise, it may lead to misreading and misinterpretation of AI LLM and incorrect diagnostic conclusions. All the characteristics and limitations of AI LLM will be reflected in DR SUN YATSEN also. Therefore, as with outpatient diagnosis, DR SUN YATSEN's diagnosis must be carefully compared with the patient's original information and must be comprehensively judged. On the other hand, DR SUN YATSEN's diagnosis capabilities will also improve as AI's reasoning abilities increase. In short, the diagnostic report is generated based on limited information provided by the patient and cannot replace face-to-face consultation with a licensed physician. All treatment decisions must be made jointly with the attending physician after thorough communication. This diagnostic report provided by DR SUN YATSEN is for reference only, and no legal risks or liabilities are assumed.

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