MEDLEY Clinical Decision Report

■■ Limited Analysis Quality
This report was generated using free models which provide suboptimal orchestration and analysis compared to premium models. For comprehensive medical analysis with accurate consensus building and bias detection, consider using paid models.

CASE SUMMARY

Case: Medical Case from case1_test.txt

Generated: 2025-08-11 19:42:58

Diagnostic Consensus Analysis

Models Analyzed: 8 | Successful: 6 | Agreement Level: None

Diagnostic & Treatment Pathways

IMMEDIATE ACTIONS

■ Administer intravenous fluids and antibiotics

■ Order imaging studies to rule out kidney stones or other structural abnormalities

■ IV Fluid Resuscitation

DIFFERENTIAL TESTING

■ 7 uncertainties lack of prior medical records need for further diagnostic tests to confirm the prima

Model Diversity & Bias Analysis

Model Response Diversity

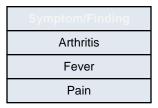| Model	Primary Dx	Confidence	Key Insight
Mistral 7B	N/A	High	See details
Gemma 2 9B	N/A	High	See details
Llama 3.2 3B	N/A	High	See details
Qwen 2.5 32B	N/A	High	See details
Gemini 2.0 Flash	N/A	High	See details
DeepSeek V3	N/A	High	See details
Hermes 3 Llama 3.1 8B	N/A	High	See details
Lfm 40B	N/A	High	See details

Potential Bias Sources & Mitigation

GEOGRAPHIC/TRAINING BIAS

- France Models (1): May emphasize regional disease patterns

- USA Models (5): May emphasize regional disease patterns

- China Models (2): May emphasize regional disease patterns

Clinical Decision Support

Evidence Synthesis

Symptom/Finding
Arthritis
Fever
Pain

Next Steps Decision Tree

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Start → MEFV Genetic Test
■■ Positive → Colchicine Trial
■     ■■ Response → FMF Confirmed
■     ■■ No Response → Consider Dose Adjustment
■■ Negative → Extended Panel Testing
      ■■ TRAPS+ → Alternative Treatment
      ■■ All Negative → Consider IBD/Still's
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Legend: +++ Strong association, ++ Moderate, + Weak, - Not typical