

MEDLEY Clinical Decision Report

Case tmp_ooyo296: Medical Case from tmp_ooyo296.txt

Case Overview

Presentation:	A 28-year-old male of Mediterranean descent presents with: - Recurrent episodes of fever lasting 1-3 days - Severe abdominal pain during episodes - Chest pain with breathing difficulties - Joint pain affecting knees and ankles - Family history: Father and paternal uncle have similar symptoms - Ep...
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Diagnostic Landscape

Management Strategies

Critical Decision Points

■ ■ Low consensus indicates complex presentation - consider specialist consultation

Models: 8	Responded: 5	Unique Diagnoses: 0	Consensus: None
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Model Diversity & Bias Analysis

Model Response Patterns

Model	Origin	Release	Primary Diagnosis	Confidence
Mistral 7B	France	2023-09	Unknown	Varied
Gemma 2 9B	USA	2024-06	No diagnosis	Varied
Llama 3.2 3B	USA	2024-09	Unknown	Varied
Qwen 2.5 32B	China	2024-11	Unknown	Varied
Gemini 2.0 Flash	USA	2024-12	Unknown	Varied
DeepSeek V3	China	2024-03	Unknown	Varied

Identified Bias Sources

Temporal	Release dates vary	Model release dates span from 2023-09 to 2024-12, potentially affecting knowledge
Training Data	Multilingual web data	Broad knowledge but variable quality
Training Data	Curated datasets	Standard medical training data

Unique Model Perspectives

Diagnostic Categories

Detailed Model Responses

Mistral 7B (France)

1. Unknown Joint pain affecting knees and ankles, family history, and possible chest pain could suggest Ankylosing Spondylitis.
2. Unknown Recurrent episodes of joint pain, fever, and gastrointestinal symptoms could be indicative of Reactive Arthritis.
3. Unknown Abdominal pain, fever, and elevated inflammatory markers could be associated with Inflammatory Bowel Disease, but the pattern of symptoms doesn't align perfectly.

Llama 3.2 3B (USA)

1. Unknown Similar symptoms, but typically with chronic back pain and morning stiffness
2. Unknown Abdominal pain and elevated WBC consistent with Crohn's, but typically with weight loss and bloody stools
3. Unknown Similar symptoms, but typically with rectal bleeding and diarrhea

Qwen 2.5 32B (China)

1. Unknown Although not as comprehensive as PFAPA, RAS can cause recurrent episodes of fever and stomatitis. However, the abdominal pain and chest pain are less common in RAS.
2. Unknown HSP can present with abdominal pain and fever but typically involves a rash and renal involvement, which are not mentioned in the patient's presentation.
3. Unknown JIA can present with joint pain and fever, but it usually involves more systemic symptoms and a longer duration of symptoms than the episodes described.

Gemini 2.0 Flash (USA)

1. Unknown Other autoinflammatory syndromes like Tumor Necrosis Factor Receptor-Associated Periodic Syndrome (TRAPS), Hyperimmunoglobulinemia D Syndrome (HIDS)/Mevalonate Kinase Deficiency (MKD), and Cryopyri...
2. Unknown While less likely given the family history, sJIA can present with recurrent fever, arthritis, and elevated inflammatory markers. However, the Mediterranean descent and family history are less typical.
3. Unknown Although the abdominal pain is suggestive, the cyclical nature with complete resolution between flares is not typical of IBD. The presence of chest pain and joint pain is less common in IBD without...

DeepSeek V3 (China)

1. Unknown Other periodic fever syndromes can present similarly with recurrent fever and systemic inflammation, though FMF is more likely given the family history and Mediterranean descent.

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| 2. | Unknown | SLE can cause recurrent fever, joint pain, and elevated inflammatory markers, but the episodic nature and family history make FMF more likely. |
| 3. | Unknown | Can cause recurrent abdominal pain and swelling, but lacks the fever and joint pain seen in this case. |