Open-Source Models

Context length

**Model Name** 

Gemma2 Web documents, code. and science articles Decoder-only 9 Billion

8,192 tokens

#Task: Identify presence or

Clinical note: NOTE TEXT

absence of ...

A new mix of publicly available online data. Auto-regressive 8 Billion 8,192 tokens

Llama3-8B-Inst

Med42 (Base model: Llama3) Fine tuned on medical and biomedical domains Auto-regressive 8 Billion 8,192 tokens

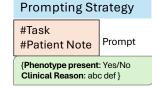
Qwen2.5-7B-Instruct Decoder-only 7 Billion 131,072 tokens



7 Billion

32,768 tokens

BioMistral-7B (Base model: Mistral-7B-Instruct-v0.1) Pre-trained on PMC Open Access Subset Auto-regressive 7 Billion 32,768 tokens



**PROMPTS** 

STUDY SETTINGS

EVALUATION

Michigan

JSON Output



Randomly selected patients (age:40-80 years) who received eye care between 2012-21 with minimum 2 eve care visits. At each site two board certified ophthalmologists graded for each ocular condition and third reviewer acted as an adjudicator

**Best Performance** (Specificity and Sensitivity)

Error Analysis

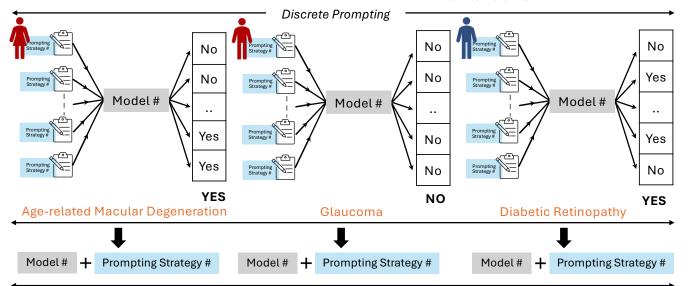
## **Basic Zero-shot Role-based Zero-Shot**

#Task: You are an expert ophthalmologist tasked to identify presence or ... Clinical note: NOTE TEXT

Role-based Guidance Zero-shot

**#Task**: You are an expert ophthalmologist tasked to identify presence or absence of ... Instruction: I1, I2...

Clinical note: NOTE TEXT



Analyze discordant pairs of prediction and ground-truth to understand the LLM explanations