PES UNIVERSITY

ENVIRONMENTAL STUDIES AND LIFE SCIENCES

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MicrosoftAI

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Microsoft AI (The Path to Medical Superintelligence)

Benchmarked against real-world case records published each week in the New England Journal of Medicine, **Microsoft AI Diagnostic Orchestrator (MAI-DxO)** correctly diagnoses up to 85% of NEJM case proceedings, a rate more than four times higher than a group of experienced physicians.

MAI-DxO also gets to the correct diagnosis more cost-effectively than physicians.

https://microsoft.ai/news/the-path-to-medical-superintelligence/

Microsoft AI (The Path to Medical Superintelligence)

How does AI perform?

Interactive case challenges are drawn from the NEJM case series –Sequential Diagnosis Benchmark (SD Bench).

This benchmark transforms recent NEJM cases into stepwise diagnostic encounters where models – or human physicians – can iteratively ask questions and order tests.

As new information becomes available, the model or clinician updates their reasoning, gradually narrowing toward a final diagnosis.

This diagnosis can then be compared to the gold-standard outcome published in the NEJM.

https://youtu.be/JkIjmXEK0Yg

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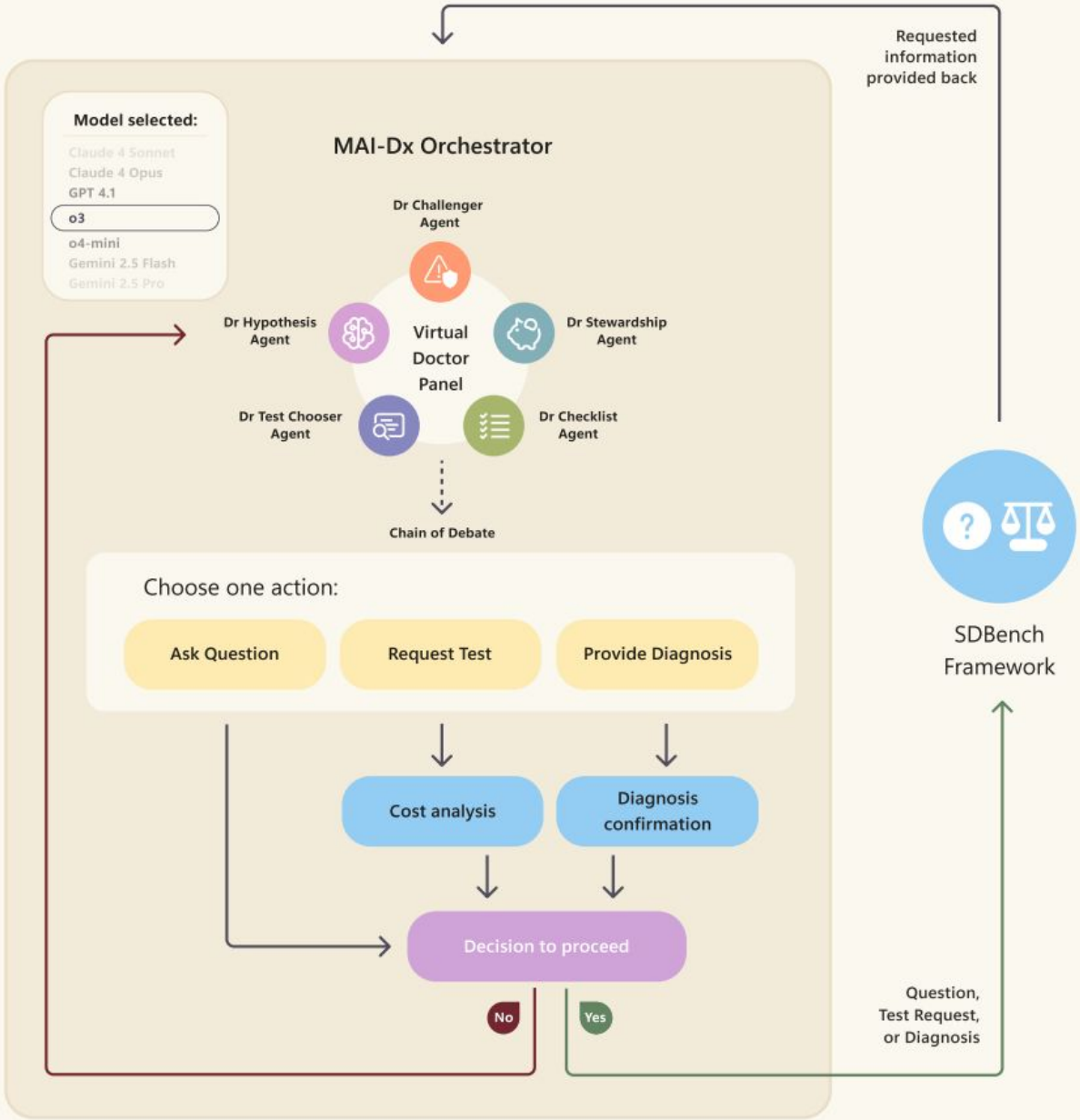

The MAI-Dx Orchestrator turns any language model into a virtual panel of clinicians: it can ask follow-up questions, order tests, or deliver a diagnosis, then run a cost check and verify its own reasoning before deciding whether to proceed.

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THANK YOU

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