



AI-Powered Virtual OSCE for Clinical Reasoning

Traditional clinical assessments only reveal what students conclude, not how they think. Multiple-choice questions and written cases fail to capture the clinical reasoning process, leaving educators unable to see where students struggle. This makes it impossible to provide targeted feedback that improves critical thinking skills and supports just-in-time learning.

That's why we built Sapient Clinician. Our platform captures and assesses the full clinical reasoning process through AI-powered interactive simulations. Students build essential communication skills and receive personalized feedback to accelerate their professional development.

Educators can see exactly how students gather information, form hypotheses, and make clinical decisions, enabling strategic interventions that are precisely targeted for the individual learner.

When did this first start?

I started having sharp chest pain two days ago. It's mostly on the left side of my chest, and it gets worse when I lie down.

 Physical exam

 Diagnostic

That sounds painful, I'm so



Interactive Case Simulations

Students engage with realistic patient interactions that respond dynamically to their questions and decisions, while maintaining a safe environment to practice clinical decision-making.

Every interaction is transcribed in detail, providing educators unprecedented visibility into student clinical reasoning processes.

Easy Case Creation

Create realistic and medically complex case scenarios in just a few minutes with our AI-assisted builder. Customize patient presentations, symptoms, and diagnostics to reveal where students excel or struggle in decision-making.

Reason for visit	History
Objectives	
Patient details	
Patient behavior	
Diagnoses	
History	Past medical history Diffuse large B-cell lymphoma, refractory to multiple lines of therapy (R-CHOP, RICE, and auto-SCT). Hypertension, well controlled on meds. Include current and pre-existing conditions.
Opening line	Surgical history Right ACL reconstruction (2012)
Review of Systems	
Physical exam	Family medical history Mother: Hypertension, breast cancer (alive) Father: Myocardial infarction at 68 (deceased)
Diagnostics	Social history and social determinants of health Former smoker (20 pack-years, quit 10 yrs ago). Rare EtOH use.
Rubrics	
Follow-up questions	

Overall Performance Summary

Your performance demonstrated a solid grasp of the core clinical features of acute pericarditis, and you appropriately linked the patient's history and diagnostic findings to your diagnosis. You engaged the patient successfully and were able to obtain a focused history and physical exam. Your planning and treatment decisions indicate a systematic approach to confirming the diagnosis of pericarditis. However, opportunities for discussion, enhancement of your treatment plan by discussing

Clinical Decision-Making - Proficient (4/5)

Strengths:

- Your decision to order an EKG, echocardiogram, and relevant labs demonstrated a systematic approach to confirming the diagnosis of pericarditis.
- Evidence: Ordering of an "Echocardiogram" with findings of a small pericardial effusion (Transcript)

Areas for Development:

- Clarify and expand your treatment plan by discussing

Detailed, Actionable Feedback

Students receive personalized formative feedback based on the complete transcript of their clinical encounter. Upload a custom rubric to align the AI-generated feedback to your specific curriculum focuses, such as information gathering, hypothesis formation, and decision-making.



Try example case

Want to try it for yourself?

Take a free 15-minute example case.



www.sapientclinician.com



contact@sapientclinician.com