



Curans - 2023

Revolutionizing Medical Education



How Our Virtual Patient App is
Changing the Way Future Doctors
Learn Clinical Skills.



**We will be your
companion as you
navigate medical**



Things to discuss

Challenges in Medical Education

- Inadequate feedback: In a busy clinical setting, it can be difficult for students to receive feedback and guidance from their instructors.
- Lack of diversity in patient cases: Depending on the location and demographic of their medical school, students may have limited exposure to a diverse range of patient cases.



Breaking Down Barriers to Clinical Skills Development

Limited patient exposure: Medical students often have limited opportunities to interact with patients on their own during their training, which can make it difficult to gain the practical skills and experience needed to succeed in a clinical setting. They merely occasionally look at how the clinicians handle the patients.

MCQs can be effective in assessing a student's ability to recall and recognize information, they may not be the best indicator of their clinical skills and ability to apply that knowledge in a real-world setting.





**40,000 and 80,000 individuals die each year
due to misdiagnoses**

(5-15)%

overall misdiagnosis rates in U.S.A

“It is likely that most of us will experience at least one diagnostic error in our lifetime, sometimes with devastating consequences.”



Hardeep Singh,¹ Ashley N D Meyer,¹ Eric J Thomas². The frequency of diagnostic errors in outpatient care: estimations from three large observational studies involving US adult populations, Open Access, BMJ Quality & Safety Online First, published on 5 May 2014 as 10.1136/bmjqs-2013-002627

Mark L. Graber, MD; Nancy Franklin, PhD; Ruthanna Gordon, PhD. Diagnostic Error in Internal Medicine, JAMA Arch Intern Med. 2005;165(13):1493-1499 <https://jamanetwork.com/journals/jamainternalmedicine/fullarticle/486642>



A Johns Hopkins study concluded that it medical misdiagnosis, the single largest cause of medical malpractice lawsuits, accounting for 35.2% of payouts and an estimated 80,000 to 160,000 potentially avoidable deaths and significant permanent injuries each year.





Curans

A case-based instructional platform that incorporates interactive virtual patients to train healthcare practitioners how to practice evidence-based medicine.



"Case-Based learning prepares students for clinical practice. It links theory to practice, through the application of knowledge to authentic cases, using inquiry-based learning"

How to use?

This useful new tool enables students to improve their diagnostic skills as they are taken simply and logically through the steps of generating a differential diagnosis, weighing up evidence to refine a hypothesis, and constructing a management plan.



Why to use a case-based learning?

By using virtual patient app, students can learn how to approach clinical cases in a systematic way, interpreting clinical and investigative information comprehensively. This personalized learning experience encourages students to develop their decision-making abilities and improve their communication skills.

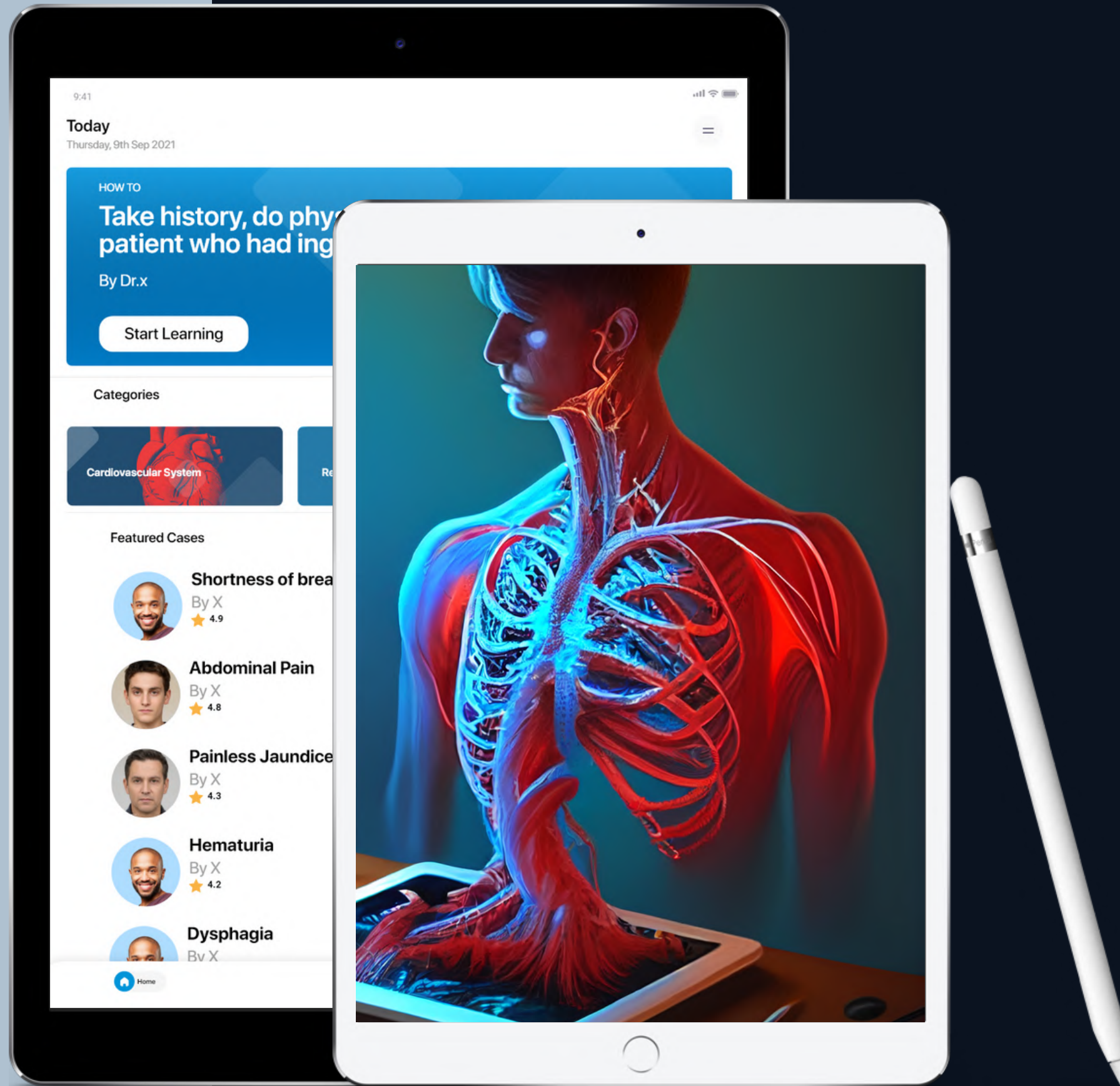
Making speedy and appropriate clinical decisions and then choosing the best course of action is an essential skill for doctors. These true-to-life cases will teach students and junior doctors to recognize important clinical symptoms and signs and to develop the diagnostic and management skills needed for the cases they will encounter on the job.

Preparing Future Doctors for Real-World Practice



Virtual patients offer a safe and controlled environment for students to practice their clinical skills without putting real patients at risk.

Virtual patient clinics allow medical students to work through a range of patient cases, each presenting unique challenges and opportunities for learning. Students can practice their diagnostic and decision-making skills, develop their communication and interpersonal skills, and learn to manage the complexities of clinical situations.



The Role of Our App in Developing Accurate Diagnostic Skills

Our virtual patient app can provide immediate feedback and evaluation to students, allowing them to identify areas where they may have made mistakes or missed important information. This feedback can help students refine their diagnostic skills and avoid making similar errors in the future.





Unlock your clinical potential with us.

One of the key advantages of our app is that it can expose medical students to a broader range of patient cases than they might encounter in a traditional clinical setting.

By presenting a variety of different scenarios, from common conditions to rare diseases, the app can help students develop a more comprehensive understanding of patient care.

The Solutions Offered to Universities:



Let your students order diagnostic tests – free and without any risk.

Cost-effective and time-efficient clinical skills training:

A virtual patient app provides a cost-effective and time-efficient way to provide medical students with clinical skills training. Virtual patient app allows students to practice and refine their clinical skills in a safe and controlled environment without the need for expensive equipment or the involvement of real patients. This can help universities to reduce the costs associated with traditional clinical skills training, such as the hiring of actors or the use of simulators.

Overcoming logistical challenges:

Virtual patient app allows universities to overcome the logistical challenges associated with traditional clinical skills training, such as limited availability of patients, space, and time. This can help universities to increase the number of students that can access clinical skills training, and to provide training at their own pace and convenience.

What makes Curans a unique Solution?

What sets Curans apart from other virtual patient apps is its advanced technology that provides intelligent feedback and guidance to users, helping them to improve their clinical decision-making, diagnostic and treatment strategies, and communication skills.

Advantages of Incorporating Curans Into Your Curriculum

	In-person Clinical:	Curans:
Skills Development	Waiting for a turn and passively watching someone else. Medical students lack the ability to make any decision in real life practices.	Practice anywhere, anytime in engaging real-world simulated environments. larger scale of clinical decision-making.
Feedback	Instructor feedback is primarily Objective. Instructors might have limited bandwidth to provide feedback for every student.	Objective, Subjective real time remediation. Performance feedback for both students and faculty provided through comprehensive dashboards.
Confidence	Students lack confidence when performing a procedure for the first time in a clinical setting.	Students who practice with VPC beforehand have higher confidence when performing a new procedure in a clinical setting.



Literature review

Scientifically Speaking: Let's speak about our project with Confidence and Clarity.



Clinical Skills

Students indicated high satisfaction with the clinical skills demonstrated by the Virtual Patients.



Confidence


Statistically significant improvement in students' confidence and abilities in areas such as history taking, assessing the severity of symptoms.



Knowledge

Studies have shown that virtual patient app is a valuable tool for helping medical students acquire the knowledge and reasoning skills they need.

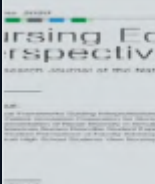
Resources:



Use of virtual patient software to assess student confidence and ability in communication...
Knowledge related to the use of virtual patients (VP) in pharmacy...
[edpagepress.com](#)



Did Virtual Patients Help Medical Students Learn Clinical Skills? Impact Study...
[preprints.org](#)



Using Virtual Interactive Digital Simulator to Enhance... : Nursing Education...
red a simulation experience using a virtual interactive digital simulator...
[journals.lww.com](#)

Our Collaboration



The University of Jordan

Won the 2nd place in this competition, and we are incubated by them.



مركز الملكة رانيا للريادة
Queen Rania Center
for Entrepreneurship

**Queen Rania Center for
Entrepreneurship**

GEW2021, we won the 3rd among university innovation competition.



**National Center for Innovation -
NCI Jordan**

Won in TAMKEEN Award.



Advantages of Curans



Realistic Medical Cases.

- Useful up-to-date resources.
- Case discussions using a logical and scientific approach to help students achieve their own diagnoses.



Interactivity.

- Open ended stimulation.
- Short-answer and multiple-choice questions to test knowledge.



Clinical & Pre-Clinical Scenarios.

- Primer on how to approach clinical problems and think like an experienced doctor

Case-Studies are alive now!

This uniquely weaves together both the science and art of medicine.

Replace narrative case studies, by Curans you will determine how best to diagnose, treat, and manage your patient based on the history of present illness, review of systems, relevant history, and physical examination findings. The organization of each case study simulates the patient care journey from chief complaint to outcome.

Curans.org



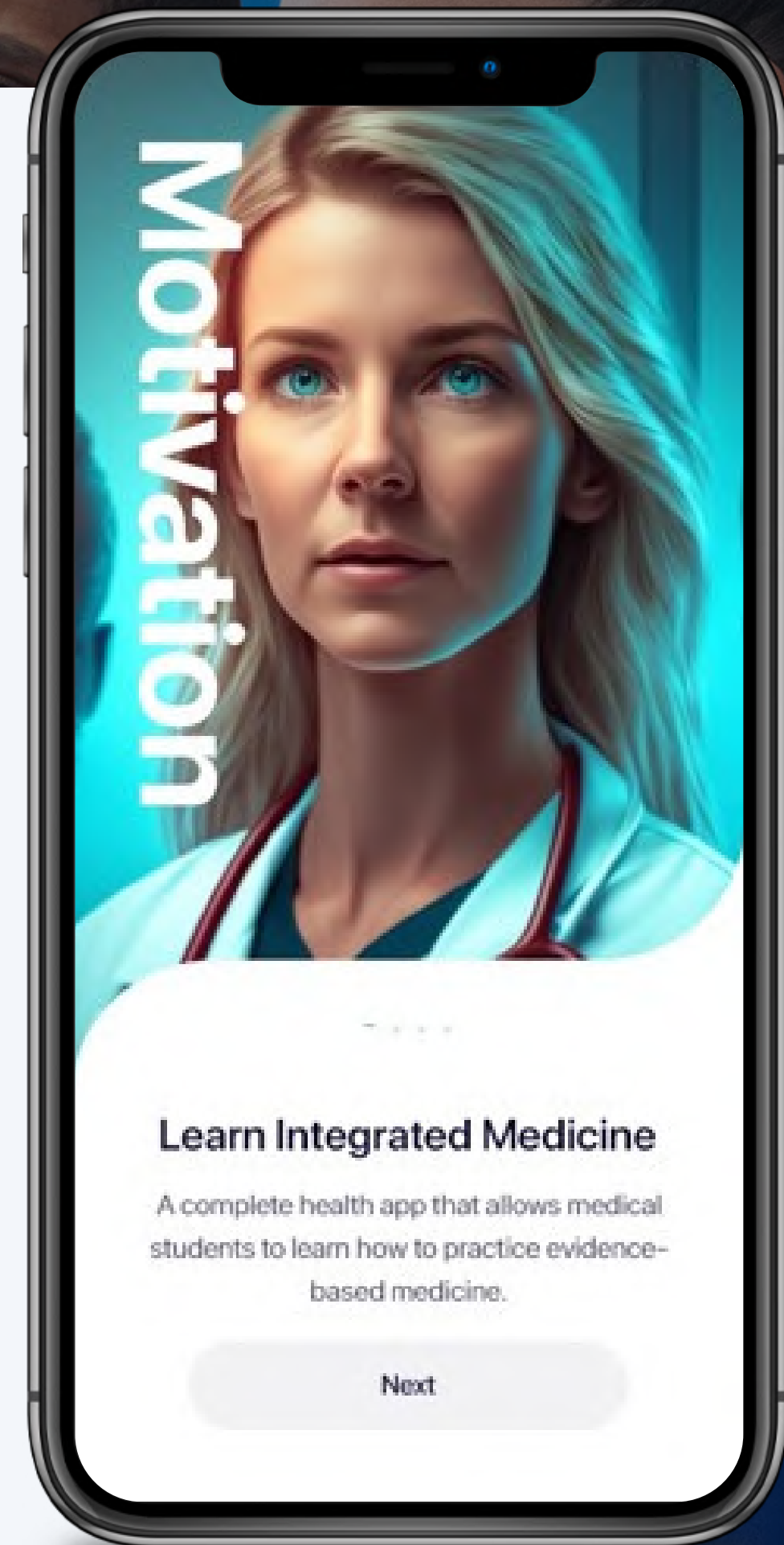
CURANS.ORG



Google Play



Apple Store





The virtual patient app has been a game-changer for my clinical skills practice. It's convenient, realistic, and has helped me improve my communication and decision-making abilities.

Sarah, Medical Student.

We're making the most out of the internet.

AI-enabled.

Curans.org



Social media channels



Automated customer service



Seamless ecommerce platform



Analytic tools and reporting



Tailor-made user recommendations





Contact Us

We'd love to talk about
all things marketing.

→ **Phone Number**
+962789657692

→ **Email Address**
Hello@Curans.org

→ **Website**
www.Curans.org

