



The ultimate tool to support students, build confidence and enhance the development of clinical competencies by bridging the gap between theory and practice.



A safe and diverse **virtual training hospital** available on demand, 24/7.



Covers **full continuum of care.**



A pedagogically sound, online **competency-based** learning platform.



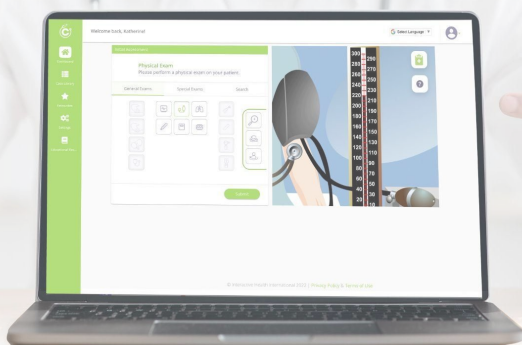
Thousands of diagnostic and animated assets for physical examination, procedures, surgery, and diagnosis.



130 virtual patients presented in a **peer-reviewed, inpatient, and outpatient cases**



750+ Educational Resources including curricular modules, videos, lectures, webinars, research papers, publications, and more.



**It's a textbook
come to life!**

The Users

CyberPatient supports faculty to elevate student learning experience and outcomes.



Supporting Institutions and Faculty



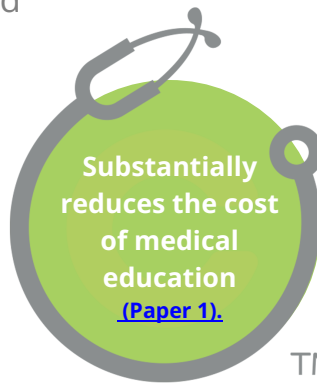
Preparing Students for the Real World

Customizable Classrooms

- Easily aligns and integrates with overall curriculum objectives.
- Provide flexibility to assign and deliver the learning objectives.

Experiential Learning

- Supports better clinical decision-making with increased clinical accuracy.
- Develops a logical approach to patient-presented problems while actively using didactic reasoning and compiled thinking to analyze the information.



Substantially
reduces the cost
of medical
education
[\(Paper 1\).](#)

Student Assessment

- Efficiently monitor student progress using dashboard data and progress reports.
- Easily assess students' performance and optimize formative assessment using integrated intuitive feedback.

TM Build Confidence

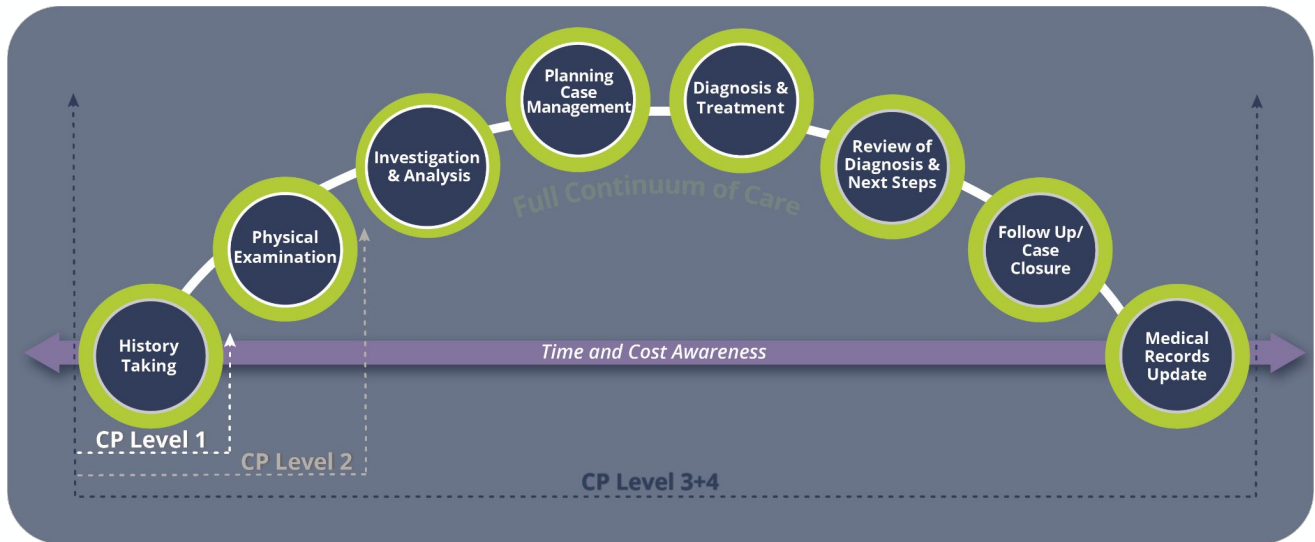
- Provides flexibility for all types of students, no matter their style of learning or confidence levels.
- Increases understanding of specific growth areas through personalized and transparent formative assessments.
- Repetitive practice without consequence.

Bringing the clinic to the students.

Reduces the stress of finding patients to deliver learning objectives for a specific rotation.

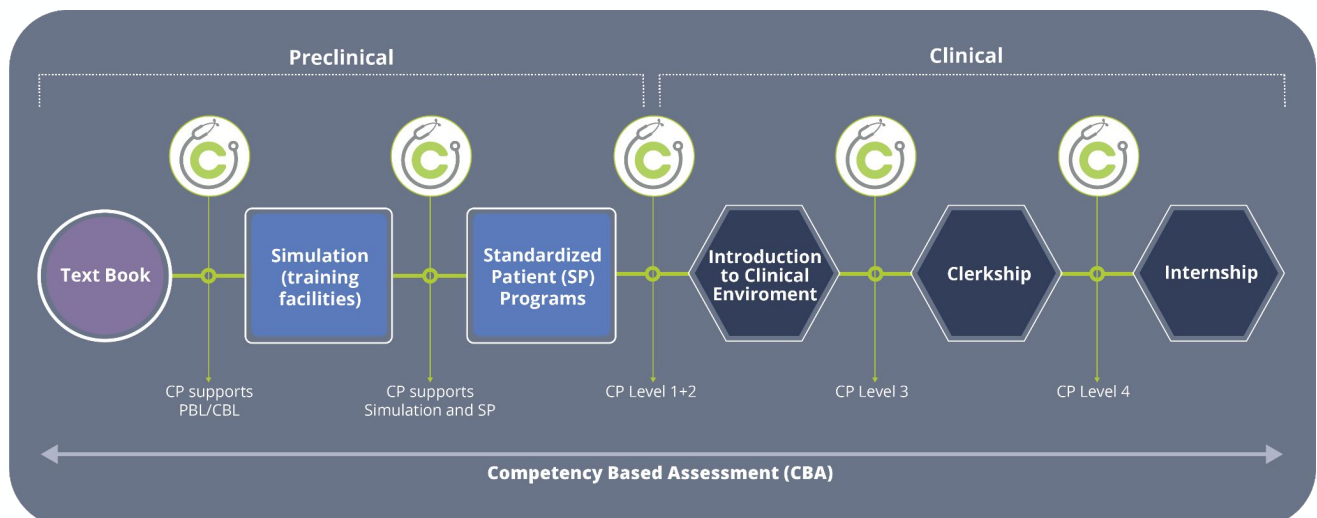
Start-to-Finish Patient Management Experience

CyberPatient covers the full continuum of medical care resulting in improved decision-making and critical-thinking skills that will ultimately enhance start-to-finish patient management:



Supporting the Learning Journey

CyberPatient is scalable to all levels of the healthcare education journey; from preclinical as a faculty-lead Case Based Learning (CBL) tool to preclerkship (levels 1+2), clerkship (level 3) and internship (level 4).



Stepwise Learning Progression

Learning objectives per level in CyberPatient

Novice, Pre-clerkship - Level 1

Level 1



Includes:
History Taking

Develop a logical approach to patient-presented problems while actively using didactic reasoning to analyze the information received from the patient and improve history taking skills.

Preclinical

Novice, Pre-clerkship - Level 2

Level 2



Includes:
History, Physical Exam

Develop an understanding of a general physical examination and special physical examination tests. Students practice logical approaches to connecting information received from patients' history taking with a physical examination and determining a list of hypotheses (provisional diagnosis). *Preclinical*

Intermediate, Clerkship - Level 3

Level 3



Includes:
History, Exam,
Diagnosis & Treatment
with failures

Level 3 allows students to practice logical approaches to the **full continuum of patient care** from history taking, physical examination to final diagnosis, and patient record documentation.

Clinical

Internship & Advanced Clerkship - Level 4

Level 4



Includes:
History, Exam,
Diagnosis & Treatment
without failures

Apply all practical knowledge stated from Levels 1, 2 & 3 into clinical practice. Learn to diagnose and treatment of CP, with **minimal errors**. Be ready for supervised independent practice such as an internship or residency training program.

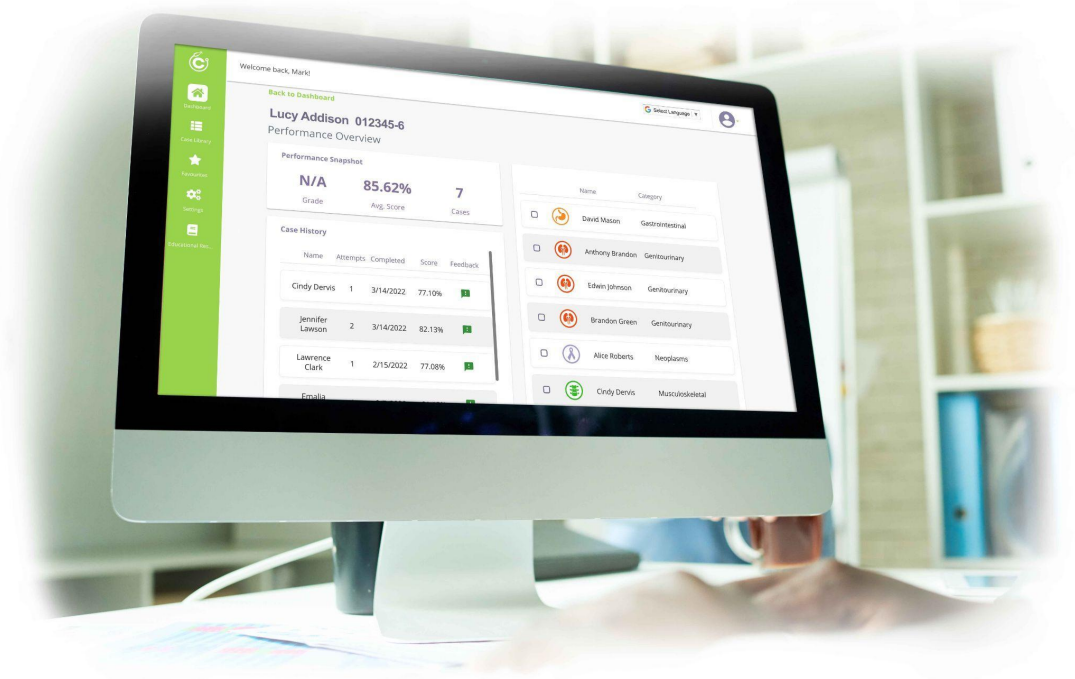
Clinical

CyberPatient as an Assessment Tool

Multiple ways to assess and monitor the progress of individual students as they navigate through each section of the platform.

Integrated Intelligent Tutoring System (IITS)

CyberPatient's integrated intelligent tutoring and scoring system continuously evaluates the student's decision-making skills and provides immediate feedback.



Formative Assessment

Provide formative assessment as frequently as desired using captured data and reports (from IITS):

- **Detailed documentation** of performance displayed on the student dashboard.
- **Evaluate student reasoning** and quickly identify areas of weakness.
- **Communicate directly** with feedback, instructions, and adding additional resources.
- **Transparent** communications, assessments, and scoring are recorded.



Summative Assessment

Easily administers summative assessments at the end of a course period:

- **Customize** or use default criteria to create summative assessment and overall student performance evaluation.
- Generate and send course completion **certificate**.
- **Easily integrated** with LMS.

*Examination Prerequisite, Standardized Patient Programs and OSCE's

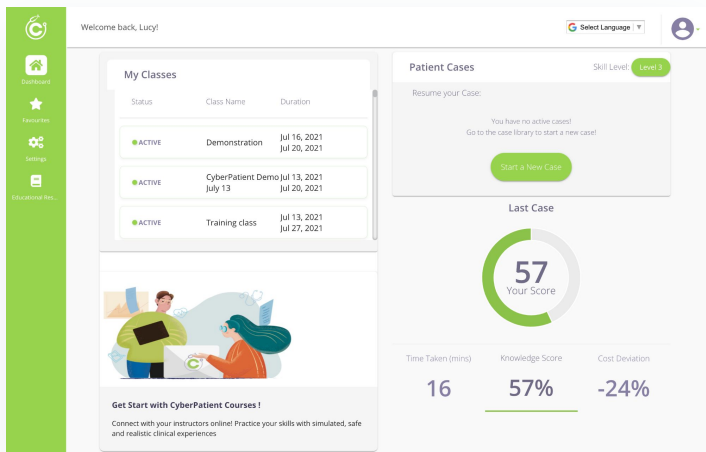
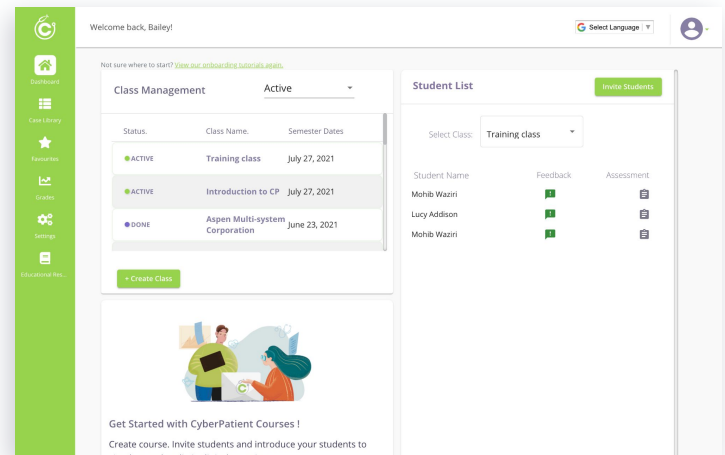
Can also be used a prerequisite assessment tool for clinical courses, rotation, end of the semester, and education cycles or exams.

Dashboards and Reporting

Each user has a unique dashboard with access to performance reports, class and account management, and more.

Student

- “My Classes” shows active and completed assignments
- Cases assigned
- Overall individual scores and progress
- Feedback showing time and score per case
- Formative feedback from faculty
- Summative assessments and certificate per class
- Understand and follow personal growth

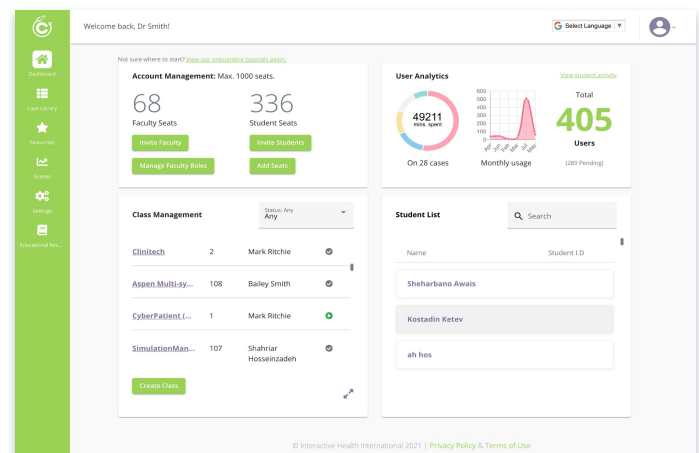


Faculty

- “Class Management” shows active and completed classes.
- Case assignment aligned with classroom and curriculum objectives
- Individual student reports with access to each students personal dashboard
- Overall class progress monitoring
- Formative feedback and summative assessment

Institution

- “Account Management” shows faculty and student seats
- Visible classroom and case management
- Analytics and reports per class and student performance
- Overall user analytics
- Integration into grading schemes and LMS’s



Designed by Faculty for Faculty



CEO and Founder
Dr. Karim Qayumi
MD, PhD, FRCSC

“ CyberPatient is not designed to replace theoretical knowledge, physical clinical skills, or Standardized Patients programs. It is rather a supportive tool to help students go through the first 3 stages of the 4 stages of learning; **Introduction, Coaching, Fine-tuning**, and Mastery.

It is designed to enhance compiled thinking and recall recognition while using visual, tactile, and written memory in a safe virtual environment. It is, therefore, at the discretion of the university and the faculty to use the platform in a way that enhances their curricular and extracurricular activities.

”

Refer to Experts Series lectures.

1. [Fundamental Theories Behind Education](#)
2. [Exploring Competency-based Education](#)
3. [Curriculum Development](#)
4. [Gamification in Education](#)

CyberPatient Proven Impact

CyberPatient efficacy has and continues to be documented through studies and research across the globe.

1

CyberPatient™ — An Innovative Approach to Medical Education.

<https://bit.ly/CyberPatientTM-creative-education>

“CyberPatient is as effective as using standardized patients in delivery of practical knowledge for novice medical students, however, CyberPatient is more economically rewarding.”

2

Comparison of computer-assisted instruction (CAI) versus traditional textbook methods for training in abdominal examination.

https://cyberpatient.info/Comparison_CAI_Japan

“CAI using CyberPatient is more effective than text only learning for physical examinations. Weaker and average students perform better on OSCE Exams.”

3

Kazan State Medical University Survey after the Use of CyberPatient™ during COVID-19.

https://cyberpatient.info/Kazan_Survey

“The CP virtual platform’s overall impact was measured and 89.9% of students consider the CP platform to have a measurable high impactful on their knowledge and experience.”

4

Medical students in Russia evaluate the training during the COVID-19 pandemic.

https://cyberpatient.info/BMC_Med_Educ

“The experience of Kazan Medical University in the use of the CyberPatient platform showed that student satisfaction and motivation increase with the use of virtual simulators.

It seems that the acquisition of the rights to use such resources should become part of national strategies for the advancement of medical education.”

5

Teaching Clinical Decision-Making Skills to Undergraduate Nursing Students via Web-based Virtual Patients during the COVID-19 Pandemic: A New Approach to The CyberPatient Simulator.

https://cyberpatient.info/Teaching_undergrad_nursing

“The use of CP-based clinical simulation is a great way for nursing students to combine, relate, and ultimately apply their theoretical knowledge to nursing practice.”



Thank You

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[Let's connect - Book a time](#)

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