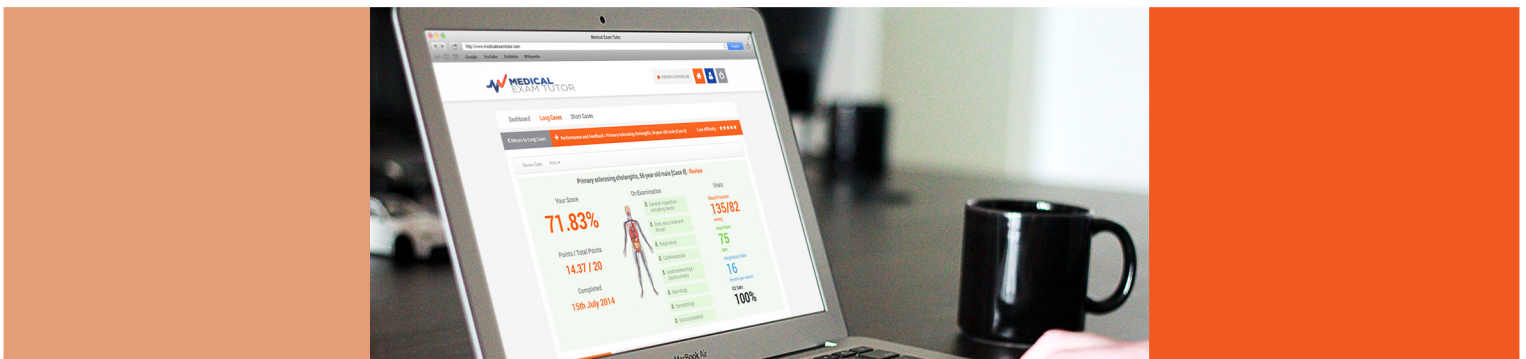




Simulation Based Learning Delivered Online



Review Case Print

Primary sclerosing cholangitis, 56 year old male [Case 8] - Review

Your Score

71.83%

Points / Total Points

14.37 / 20

Completed

15th July 2014

On Examination

- General inspection including hands
- Eyes, ears, nose and throat
- Respiratory
- Cardiovascular
- Gastroenterology / Genitourinary
- Neurology
- Dermatology
- Musculoskeletal



Vitals

Blood Pressure
135/82

mmHg

Heart Rate

75

bpm

Respiratory Rate

16

breaths per minute

O2 Sats

100%

MacBook Air

WHAT IS MEDICAL EXAM TUTOR?

Medical Exam Tutor uses virtual patients and on-line simulation to improve patient management and clinical reasoning skills.

Medical students and doctors require extensive exposure to real patient cases, with expert feedback, in order to learn essential skills and perform safely. Medical Exam Tutor addresses this need, exposing the learner to real clinical cases with feedback, in a safe, simulated environment, using a virtual tutor.

Our unique interactive e-learning solution demands real-time decision making skills and more uniquely, the application of medical knowledge to a practical clinical situation.

Medical Exam Tutor addresses the challenges faced by many medical schools and training bodies internationally in the delivery of quality, consistent, patient focused education. Our technology facilitates a blended learning experience, increasing learners exposure to real clinical cases and supplementing existing clinical resources, teaching and learning methods.



THE VIRTUAL PATIENT

Medical Exam Tutor is the most interactive resource available, utilising realistic patient videos, clinical images, radiological results and real clinical data to improve decision making and replicate the type of situations that learners are likely to encounter professionally.

PRACTICE IN A SAFE, RISK FREE ENVIRONMENT

Medical Exam Tutor is an e-learning resource for medical students and doctors globally. Based on realistic clinical cases, it requires the learner to “play the role of doctor” and investigate, diagnose, manage and treat virtual patients. It will improve performance in the clinical part of final medical assessments and preparedness for real world clinical practice.



A UNIQUE LEARNING RESOURCE

THE CLINICAL YEARS

Our platform is designed as a learning resource which will advance student medical skills in the final 2-3 years of medical school known internationally, as the 'clinical years'. Our substantial bank of long and short cases are authored by an array of consultants on the specialist register with years of clinical experience across a whole range of specialties and are designed to provide students with the practical medical skills required to perform as safe junior doctors.

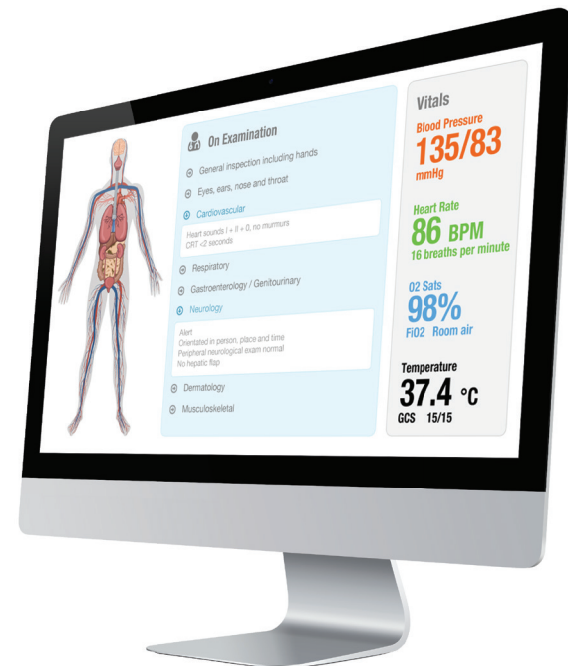
UNDERGRADUATE EXAM PREPARATION

Medical Exam Tutor is specifically designed to help students to excel in their final medical exams.

Our interactive system is designed to offer a level of accessibility and feedback that written notes or patient contact cannot provide. Both our long and short cases are carefully designed with undergraduate standards in mind, and many of our case authors have a background in medical education and assessment.

POSTGRADUATE EDUCATION

Our award winning platform helps qualified doctors to develop their clinical reasoning skills and prepare for postgraduate exams. It is ideal for general practitioners, physicians and surgeons as well as learners preparing for international licensing exams.



LONG CASES

Medical Exam Tutor is the most interactive simulation based learning resource available worldwide.

EXTENSIVE CATALOGUE OF CASES

Our technology enhanced learning resource offers learners and educators access to an extensive catalogue of realistic cases. Browse and select long cases by specialty, presenting symptoms and degree of difficulty.

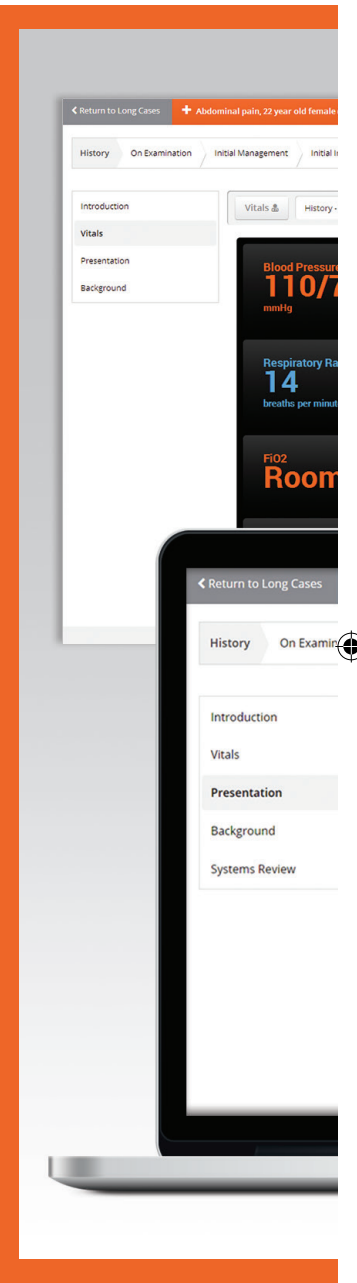
ACTIVE FEEDBACK ON ALL DECISIONS

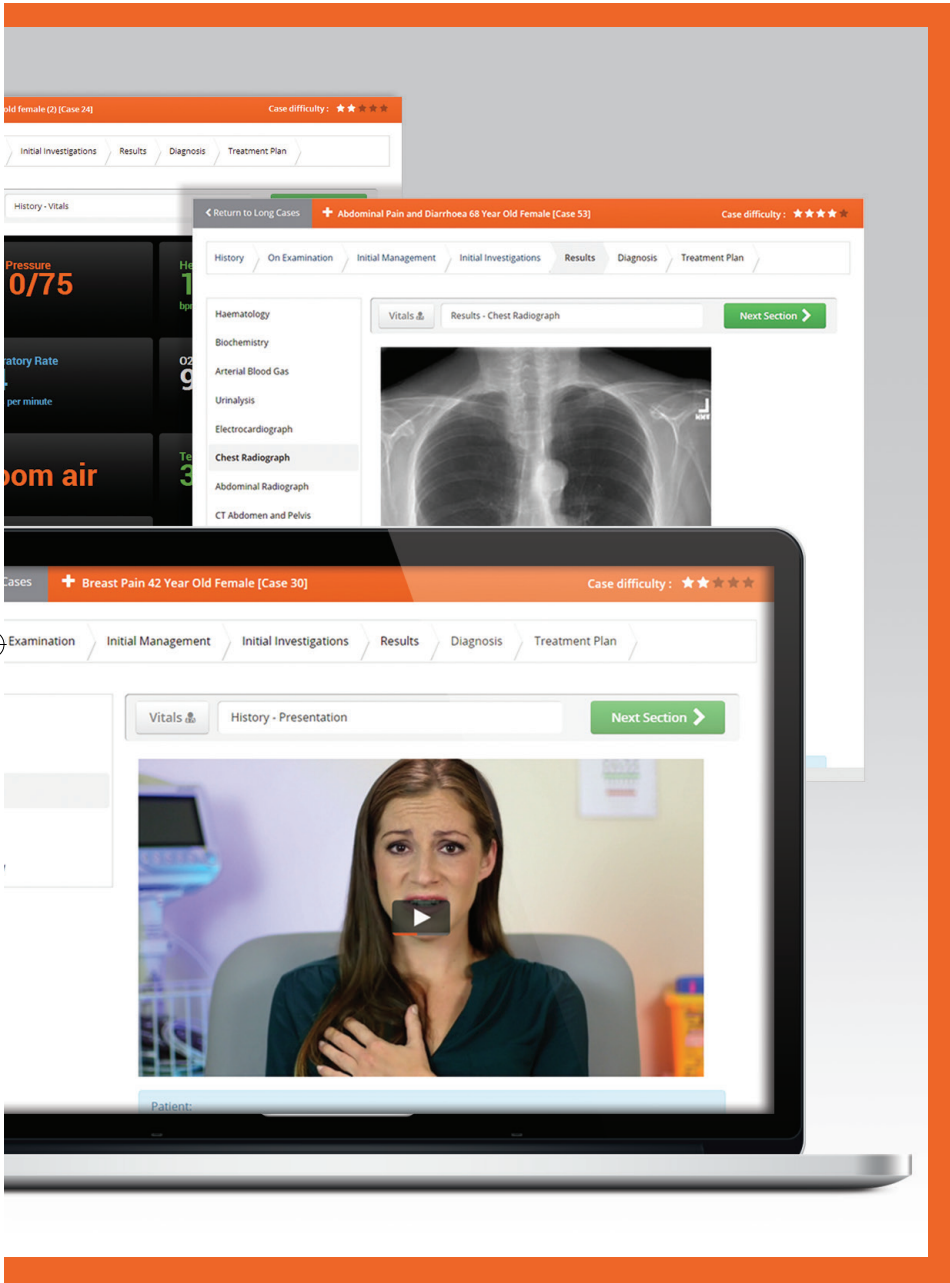
Our platform uniquely provides instant feedback on choices and decision making throughout the long case experience. Upon case completion, learners and educators can also download a learning summary and overall long case score for future revision.

THE PATIENT JOURNEY

Our simulation technology requires learners to:

- **Listen** to the virtual patient's presenting complaint, review their history and examination findings and formulate a differential diagnosis based on the information gathered.
- **Decide** on the initial management of acute and non-acute cases by selecting from fluid and medication options, investigations and treatment options and proposed treatment plans.
- **Interpret** laboratory and radiology investigations.
- **Diagnose and Treat** the virtual patient based on further information and results gathered.





OVER 100 HOURS OF VIRTUAL PATIENT ENCOUNTERS AND GROWING...

Users can immediately access over 100 hours of simulated learning content with new cases added each month. This makes Medical Exam Tutor the most comprehensive simulated learning resource available for medical students, doctors, medical schools and training bodies internationally.

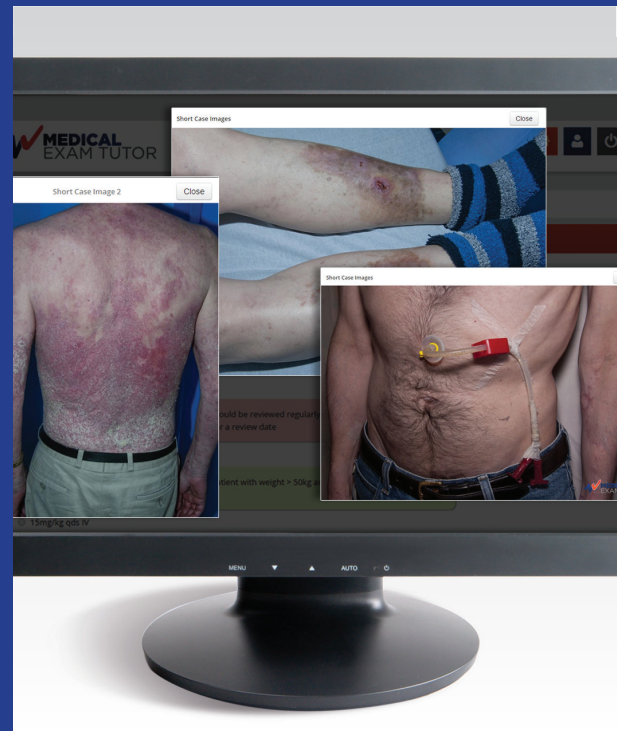


SHORT CASES

Our short cases are created using single best answer (SBA) clinical vignettes and spot diagnoses that are ideal for exam preparation, but also give the vital experience required to be a safe and knowledgeable doctor.

KEY FEATURES INCLUDE:

- Browse and select a number of short cases by specialty, or choose a random selection.
- Reach a working diagnosis based on the ‘say what you see’ approach.
- Receive instant feedback and the ideal exam response to each short case.
- Obtain an overall score and personalised report on your success rate across all short cases or within specialties.
- Review your overall performance across all short cases within your own personal dashboard.
- Review your short case performance when compared with users at a similar training level.



SPECIALTIES

LEARNING CONTENT ACROSS A BROAD RANGE OF SPECIALTIES

Our virtual patient platform is designed for use both as a revision tool and as a learning resource. As such, we have assembled a body of content across a whole range of specialties and sub specialties including:

- Anaesthetics
- Breast Surgery
- Cardiology
- Cardiothoracic Surgery
- Colorectal Surgery
- Dermatology
- Ear, Nose and Throat Surgery
- Emergency Medicine
- Endocrine Surgery
- Endocrinology
- Gastroenterology
- General Medicine
- General Practice
- General Surgery
- Genetics
- Geriatric Medicine
- Gynaecology
- Haematology
- Immunology
- Infectious Diseases
- Maxillofacial Surgery
- Medical Devices
- Metabolic Disorders
- Nephrology
- Neurology
- Neurosurgery
- Obstetrics
- Oncology
- Ophthalmology
- Orthopaedics
- Paediatrics
- Peri-operative care
- Plastic Surgery
- Prescribing
- Professionalism
- Psychiatry
- Radiology
- Respiratory
- Rheumatology
- Trauma
- Tropical Medicine
- Upper GI Surgery
- Urology
- Vascular Surgery

BENEFITS FOR EDUCATORS

Medical Exam Tutor supplements the educational and training content of teaching hospitals, medical schools and training bodies delivering clinical teaching in a safe, risk free environment.

Our platform provides a blended learning opportunity for learners, tutors and lecturers, providing feedback on individual and whole class performance.

CLINICAL LEARNING RESOURCE

We improve the quantity and quality of clinical education by aligning teaching methods and assessment to your learning objectives. Learners will use our content throughout their studies as a way of developing their clinical reasoning skills, as an exam revision tool and as a form of continuous self assessment.



TECHNOLOGY ENHANCED LEARNING

Medical Exam Tutor embraces simulation based learning and is suitable for the individual learner and both small and large groups. Our virtual patient technology is multifunctional – it is an interactive learning resource that improves clinical reasoning and it is a bank of self assessment short clinical cases. It can be used in small and large group teaching and can be used by the individual learner in a flipped classroom setting. Its clinical content and systems based approach make it highly suitable for use in pre-course learning for hi fidelity manikin based simulation.

MEDICAL EXPERTISE

The clinical team and founders of Medical Exam Tutor have an in-depth understanding of undergraduate and postgraduate medical education and simulated learning techniques. Together we have over 60 years of clinical and education experience which have shaped the development of our technology.

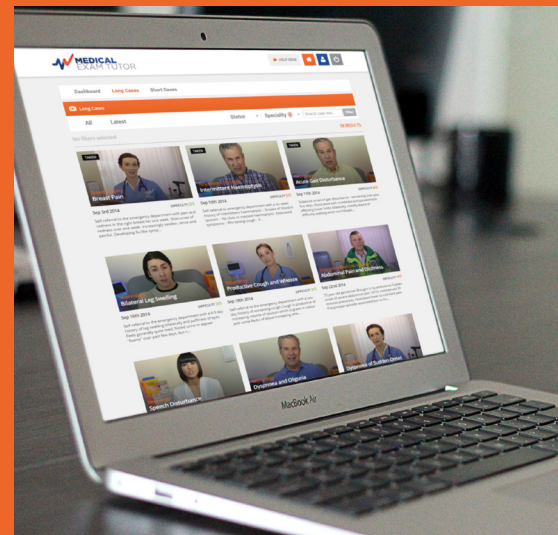
NO IT INVESTMENT

As a cloud based technology, there is no IT investment or set-up costs associated with Medical Exam Tutor. Each user receives a unique user name and password to login to their personal learning profile.

CONTINUOUS CONTENT DEVELOPMENT

Continuous development of Medical Exam Tutor ensures our e-learning platform offers a comprehensive catalogue of clinical cases for all key specialties and sub-specialties, and caters for learners at all stages of training.

Our clinical team and extended network of expert contributors uploads new long and short cases on a monthly basis, ensuring a wide and interesting variety of best practice cases are available to users.



ACADEMIC REPORTING MODULE

Medical Exam Tutor creates a unique opportunity for greater interactivity between the teacher and the learner in the development of practical clinical skills.

Our Academic Reporting Module is an additional feature which medical schools and educators can choose as part of their Medical Exam Tutor license. Our technology assesses and tracks the progress of each individual learner, providing information on the quality of the learning process as opposed to just learning outcomes.

REPORTING

Our academic reporting module will provide a wide range of reports including:

- Performance by degree of case difficulty.
- Group performance versus average scores from other user groups (Note: anonymised results).
- Whole class, top/bottom performers, individual scores and class leaderboards.
- Frequency and duration of use in any given month.
- Other customised reports are available upon request.

UNIVERSITY NAME

Cases Taken
1517

Average per student
84

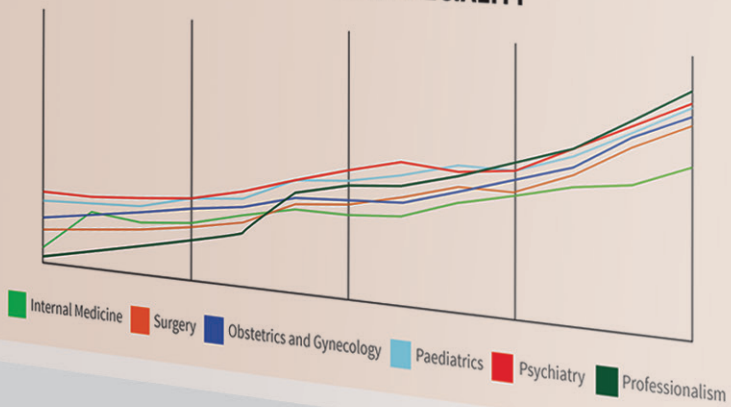
CASES TAKEN BY SPECIALITY

TOP STUDENTS BY USAGE

AVERAGE RESULTS

TOP STUDENTS BY RESULTS

PROGRESSION BY SPECIALITY



TOP 10

BOTTOM 10

alez	0 Cases
io	0 Cases
kis	1 Cases
rey	3 Cases
	4 Cases
eeding	5 Cases
shan	5 Cases
	6 Cases
in	7 Cases
se	7 Cases

05.1%
07.2%
10.1%
11.5%
12.6%
13.0%
18.0%
29.9%
34.6%
39.0%

OUR EXPERT TEAM

OUR FOUNDERS

Our founders have over 60 years combined experience in clinical practice and education. This core clinical team brings a well balanced mix of expertise in the fields of medicine, simulation, psychology, medical education and technology all helping to shape our ground breaking learning experience.

- **Dr Dara Byrne**
MB BCH BAO, MCh, MMedEd, FRCSI, CHSE
- **Professor Michael J Kerin**
MB BCH BAO, MCh, FRCSI, FRCS Ed, FRCS Gen
- **Dr. Brian Higgins**
MB BCH BAO, DCH, DRCOG
- **Dr. Paul O' Connor**
BSc MSc PhD

EXPERT CONTRIBUTORS

Medical Exam Tutor boasts an unrivalled body of content, with all of our cases being authored by an ever growing list of specialty experts. With contributions from over 30 consultants on the specialist register, as well as medical educators and allied health professionals, our cases offer the most realistic patient experience available today.

We are committed to continuous content development and we actively seek new contributors worldwide.

For full founder biographies and contributors list, please visit our website at:

www.medicalexamtutor.com







4 Lakeview Point, Claregalway Corporate Park, Galway, Ireland

Email: info@medicalexamtutor.com

Telephone: +353 (0) 91 799 833

www.medicalexamtutor.com