

UMedic

Updated e-learning curriculum in cardiology



New Features

- 20 case-based interactive programs now offered in web-based format
- Cross-platform compatibility with Mac, Windows and Linux operating systems
- Accessible via any internet browser
- New graphics and animations and more than 10 hours of enhanced videos
- User interface completely re-designed and more intuitive

Major Features

- Demonstrated in multiple studies to improve bedside skills
- Updated and revised curricula for medical, nursing and physician assistant professions
- Interactive use in self-learning mode saves instructor time
- Institutional site license for unlimited users delivers cost-effective training

Worldwide Adoption

- UMedic trains and assesses thousands of learners and practitioners in more than 50 countries
- The British Heart Foundation placed UMedic at 27 UK medical schools
- The American Board of Internal Medicine has used UMedic videos in its maintenance of certification program
- The Royal College of Physicians of Canada has used UMedic videos in its Internal Medicine certification examinations

UNIVERSITY OF MIAMI
MILLER SCHOOL
of MEDICINE



Gordon Center for Research in Medical Education
Saving Lives Through Simulation Technology®

For a demonstration of UMedic, visit: www.gcrme.miami.edu
For information on how to acquire UMedic, contact us: 305-243-6491 | umedic@gcrme.med.miami.edu



Curriculum

The complete UMedic package consists of four series
Each series includes five patient-centered programs that can stand alone or link to Harvey

Series 1

Emphasizes pathophysiology and bedside skills

- The normal patient
- Aortic stenosis
- Aortic regurgitation
- Mitral stenosis
- Mitral regurgitation

Series 2

Emphasizes common management problems

- Angina pectoris
- Acute inferior infarction
- Acute anterior infarction
- Cardiomyopathy
- Hypertension

Series 3

Adds congenital & acquired diseases

- Atrial septal defect
- Acute pericarditis
- Primary pulmonary hypertension
- Acute mitral regurgitation
- Hypertrophic obstructive cardiomyopathy

Series 4

Emphasizes pediatric diseases

- Innocent murmur
- Mitral valve prolapse
- Ventricular septal defect
- Coarctation of the aorta
- Tetralogy of Fallot



Content

Each program includes the entire patient encounter. The student is guided by an instructor who provides explanations, feedback and remediation.

History

Bedside Findings

Presented by an instructor using Harvey

- General appearance
- Blood pressure
- Arterial and venous pulses
- Precordial movements
- Cardiac and pulmonary auscultation

Diagnosis

Pathophysiology

Laboratory Data

- CBC & blood chemistries
- Electrocardiograms
- X-rays
- Real-time echo Dopplers
- Other imaging techniques and angiograms

Treatment

- This component features videos of interventional therapy and surgery

Discussions

- Key teaching points and remediation
- Case reviews by authoritative cardiologist

