

# 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

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Gordon Center for Research in Medical Education  
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For a demonstration of UMedic, visit: [www.gcrme.miami.edu](http://www.gcrme.miami.edu)  
For information on how to acquire UMedic, contact us: 305-243-6491 | [umedic@gcrme.med.miami.edu](mailto: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

