The UPDATED MULTIMEDIA COMPUTER CURRICULUM IN CARDIOLOGY
A PROVEN SYSTEM TO TEACH BEDSIDE SKILLS

BASIC FEATURES
► 20 Case-based Interactive Programs
► Emphasizes Bedside Skills
► Covers all Evaluation and Treatment
► Self-learning, Instructor and Testing Modes - Saves Faculty Time
► For Students, Residents, Physicians, Physician Assistants, Nurses and Nurse Practitioners
► Can Stand Alone or Link to Harvey
► Database to Track Performance
► Unlimited Learners on Network
► Cost-effective

UPDATED FEATURES
► New Series of Pediatric Diseases
► Addition of Pulmonary Findings
► Most Current Patient Evaluation
► Most Current Patient Treatment

WORLDWIDE USE
► UMedic teaches thousands of learners annually at medical centers worldwide
► Used at all medical schools in the UK
► UMedic videos used in the American Board of Internal Medicine and Royal College of Canada certification examinations

CONTRIBUTORS - Cardiologists and Educators from:
Miami ♦ Arizona ♦ Chicago ♦ Dundee ♦ Duke ♦ Emory
Florida ♦ Illinois ♦ Iowa ♦ Mayo ♦ Northwestern

Gordon Center for Research in Medical Education
Saving Lives Through Simulation Technology®
For a demonstration of UMedic, visit our website: www.gcrme.miami.edu
Contact us for information on how you can acquire UMedic
Phone: 305-243-6491 ♦ Fax: 305-243-6136 ♦ Email: umedic@gcrme.med.miami.edu
CURRICULUM

Four series of UMedic have been developed. Each series includes five patient-centered programs.

FIRST SERIES (UPDATED)
Emphasizes pathophysiology and bedside skills and includes:
- The Normal Patient
- Aortic Stenosis
- Aortic Regurgitation
- Mitral Stenosis
- Mitral Regurgitation

SECOND SERIES (UPDATED)
Emphasizes common management problems and includes:
- Angina Pectoris
- Acute Inferior Infarction
- Acute Anterior Infarction
- Cardiomyopathy
- Hypertension

THIRD SERIES (UPDATED)
Adds additional congenital and acquired diseases and includes:
- Atrial Septal Defect
- Acute Pericarditis
- Primary Pulmonary Hypertension
- Acute Mitral Regurgitation
- Hypertrophic Obstructive Cardiomyopathy

FOURTH SERIES (NEW)
Emphasizes pediatric diseases and includes:
- 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 on “Harvey,” the Cardiopulmonary Patient Simulator
- General appearance
- Blood pressure
- Arterial and venous pulses
- Precordial movements
- Cardiac and pulmonary auscultation

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

PATHOPHYSIOLOGY

DISCUSSIONS
- Key teaching points and remediation
- Case reviews by authoritative cardiologists

UMedic Self-Learning Mode

Students Testing with UMedic