

Acute Stroke

DIAGNOSIS AND MANAGEMENT FROM PREHOSPITAL TO DISCHARGE

A **UMedic®** INTERACTIVE, MULTIMEDIA COMPUTER PROGRAM



Follow a virtual patient's history, neurologic examination, imaging studies, and treatment

QUALITY AND BENEFITS

- ▶ Developed by multicenter consortium
- ▶ Tested at multiple medical centers
- ▶ Provides standardized learning experience
- ▶ Enhances bedside skills and knowledge of:
 - ▶ Cerebrovascular anatomy
 - ▶ Pathophysiology
 - ▶ Diagnostic procedures
 - ▶ Stroke treatment

ADAPTABLE FORMAT

- ▶ Trains students, residents, physicians, physician assistants, nurses, and nurse practitioners
- ▶ For trainees:
 - ▶ Self-learning or classroom
 - ▶ Supplements ward teaching
 - ▶ Saves faculty time
- ▶ For practitioners:
 - ▶ Prepares for Stroke Center
 - ▶ Reviews NIH Stroke Scale

CONTRIBUTORS - Neurologists and Educators from:

Miami ♦ Duke ♦ Dundee ♦ Emory ♦ Northwestern ♦ Rush ♦ Wake Forest

LEARNING CONTENT

- ▶ Clinical presentations
- ▶ Cerebrovascular anatomy
- ▶ Pathophysiology
- ▶ Differential diagnosis
- ▶ Ischemic penumbra
 - ▶ Blood pressure management
 - ▶ Thrombolytic therapy
 - ▶ Neurologic worsening
- ▶ Acute imaging
- ▶ Supportive medical care
- ▶ Etiologies & diagnostic evaluation
- ▶ Secondary prevention

SPECIAL FEATURES

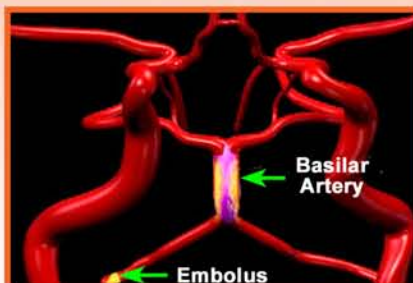
- ▶ Interactive with feedback
- ▶ Case-based with virtual patient
- ▶ Multimedia content
 - ▶ Videos
 - ▶ Graphics
 - ▶ Animations
 - ▶ Diagnostic images
- ▶ Network capable
- ▶ Supplemental NIH Stroke Scale tutorial
- ▶ Pre- and posttesting programs

PROGRAM MENU



SAMPLE CONTENT FROM UMedic® ACUTE STROKE

Graphics & animations



MR angiography



Carotid ultrasound with corresponding anatomy

