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

For a demonstration of Acute Stroke, visit our website: www.crme.miami.edu.
For information on how you can acquire Acute Stroke, contact the University of Miami Center for Research in Medical Education
Phone: 305-243-6491 ♦ Fax: 305-243-6136 ♦ Email: umedic@crme.med.miami.edu
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

| Introduction | Complication Prevention |
| History | Etiologic Evaluation |
| Prehospital Management | Arterial |
| E.D. Management | Cardiac |
| First Minutes | Further |
| Examination | Secondary Prevention |
| Supplemental NIHSS Tutorial | Antithrombotic Therapy |
| Clinical Syndrome | Risk Factor Modification |
| CT Scan | Commentary |
| Emergent Therapy | Final Screens |

SAMPLE CONTENT FROM UMedic® ACUTE STROKE

Graphics & animations | MR angiography | Carotid ultrasound with corresponding anatomy

Embolic Artery | Absent flow L MCA | Common Carotid Artery (CCA)

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