

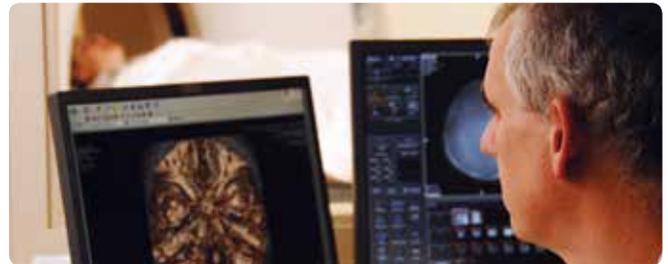
Advanced Stroke Life Support® Program Objectives

OhioHealth strongly believes in the strength of evidence-based practice. We took that into consideration when reviewing the Advanced Stroke Life Support® Course from The University of Miami.

All of the curriculum in this course is evidence-based and has been verified using the American Stroke Association®, American Heart Association® and the National Institute of Neurological Disorders. Literature sources and published trials also played a large role in developing this curriculum. In addition, several different teaching techniques are utilized throughout the course in order to create the best learning experience for the student.

**NEED MORE
INFO?**

For more information about the Advanced Stroke Life Support® Course, please contact the OhioHealth Stroke Network by calling (614) 566.4916.



The simple objective is to educate pre-hospital and hospital personnel on the identification and treatment of stroke patients. This is divided out into eight different sections:

- + Learning Goals and Protocols
- + Stroke Facts and Rationale for Urgent Care
- + MEND Exam: A Focused Neurologic Assessment
- + MEND Exam Practice Sessions
- + Major Stroke Syndromes and Stroke Mimics
- + Stroke Management: Pre-hospital and General Principles
- + Video Case Scenarios
- + MEND Exam Practice Sessions: Stroke Syndromes

Module 1: Learning Goals and Protocols

This module gives a brief overview of what the learner can expect from the course and the information which will be covered throughout the day. In addition instructors briefly introduce the MEND exam to the learner and the idea or goal of this new assessment tool.

Module 2: Stroke Facts and Rationale for Urgent Care

Instructors start to develop more of an understanding of the epidemiology and pathophysiology of stroke. The learner is exposed to the two distinct types of stroke (ischemic and hemorrhagic) and the similarities and differences found when looking at risk factors as well as presentation of the patient. The learner is introduced to the term “penumbra” and how urgent care can improve this salvageable area of the brain.

Module 3: MEND Exam: A Focused Neurologic Assessment

This module presents with lecture and demonstration with instructors introducing the learner to the Miami Emergency Neurologic Deficit Exam. The goal for the MEND exam is discussed as well as the differences and similarities that exist between the MEND and NIHSS. Instructors will also introduce the Cincinnati Pre-Hospital Stroke Scale (CPSS) as part of the MEND exam. At the conclusion of this module a short video is provided showing how to perform the MEND exam on a normal patient.

Module 4: MEND Exam Practice Sessions

Learners are divided into groups of four to six to practice the MEND exam. Instructors take the time to explain how to perform the MEND exam. This practice time focuses on normal patients so the learner can develop their skill and comfort level with this new assessment. This session is the foundation in which each learner will build from throughout the second portion of the curriculum.

Module 5: Major Stroke Syndromes and Stroke Mimics

In lecture form, instructors will begin to identify where individual stroke syndromes are occurring. The symptoms are divided into five possible syndromes and each are explained in detail for each learner to easily identify the area of the brain affected. In addition, instructors will also discuss stroke mimics and methods that pre-hospital and hospital personnel can identify. There is a short video demonstrating a “stroke” patient; in the video you will see the MEND exam completed.

Module 6: Stroke Management: Pre-hospital and General Principles

This module focuses on pre-hospital care and what the receiving hospital staff can expect from their EMS providers. A large portion of this module reviews opportunities in developing trust between EMS and hospital staff. Instructors will also focus on inpatient areas as a first responder. As we know stroke can happen anywhere within your system, even to patients already in the hospital. Hospital staff who identify the stroke will be placed in the role of “the first responder” for the patient. Many of the principles of pre-hospital stroke care also apply to hospital stroke care.

Module 7: Stroke Management: Hospital Management

Instructors will begin to focus on specific and appropriate treatments for stroke patients. The group will review the indications and contraindications that the Stroke Team will utilize to build a treatment plan. In addition, we will discuss specific tPA medication delivery techniques. The module will continue with a general review of Stroke Alert protocol and important information to collect from EMS, family members and the patient. Instructors will conclude with an important review of post treatments and outcomes of the stroke patient.

Module 8: Video Case Scenarios

This module is a demonstration which uses six videos of stroke patients; all five stroke syndromes are covered as well as a stroke mimic. The learner is asked to identify the stroke syndrome, what treatment option is available and whether the EMS gave a thorough report. This is a great way for the learner to practice what they have learned and observe the tool in use before putting it into practice. During a hospital-based course, instructors will use a condensed version of video review. Each hospital staff member will be asked to score the MEND exam, followed by a brief overview of the scoring process.

MEND Exam Practice Sessions: Stroke Syndromes

The final section is both didactic and demonstration for the MEND practice sessions. Each group will receive multiple scenarios; instructors will behave as stroke patients allowing learners to perform the assessment. This is presented in an interactive form and provides each learner with a “putting it all together” approach. Instructors will finalize and conclude specific instruction on how to use the assessment tools and assist each learner to ensure they have all of the information necessary.

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DUBLIN METHODIST HOSPITAL + DOCTORS HOSPITAL – NELSONVILLE + HARDIN MEMORIAL HOSPITAL + MARION GENERAL HOSPITAL
WESTERVILLE MEDICAL CAMPUS + 20 HEALTH AND SURGERY CENTERS + URGENT CARE + PRIMARY AND SPECIALTY CARE
WELLNESS + HOSPICE + HOME CARE + 22,000 PHYSICIANS, ASSOCIATES AND VOLUNTEERS

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