

## 2012 Course Dates & Locations

Visit [www.healthclick.com](http://www.healthclick.com) for the most current course dates and locations

Future course dates & course site information, call 1-800-300-5512 or Go online to: [www.healthclick.com/courses/nas37.cfm](http://www.healthclick.com/courses/nas37.cfm)

This course is 16.0 contact hours/1.6 CEU's.  
This course is 19.0 contact hours/1.9 CEU's for therapists licensed in NY, IL, DC, FL or NC



CA Approval #PTNAS-201465 | BOC provider #P2047  
IL Provider #216000074 | AOTA Provider #4487

The California Physical Therapy Board has approved North American Seminars, Inc. as an approval agency to approve providers offering continuing competency courses. This course meets the standards set forth in section 1399.96 of the California Code of Regulation and is approved for 16.0 hrs, 1.60 CEU's for physical therapy continuing competency license renewal requirements in the State of California, approval # PTNAS-201465. This course meets the continuing education requirements for OT license renewal in the State of California. The Nevada Board of Physical Therapy Examiners has approved this course for 1.5 continuing education units. This course meets the ceu requirements specified in the Utah Physical Therapy Practice Act Rule. NAS is approved by the IDPR for physical therapists licensed in the State of Illinois. This course meets the continuing education requirements for physical therapists in the States of Alaska, Colorado, Connecticut, Idaho, Indiana, Massachusetts, Missouri, Montana, New Hampshire, North Carolina, Oregon, Rhode Island, Utah, Vermont, Virginia, Washington and Wisconsin. North American Seminars, Inc. is an AOTA provider for continuing education, provider #4487. The AOTA does not endorse specific course content, products or clinical procedures. The Alaska, Arkansas, Delaware, District of Columbia, Illinois, Indiana, Kentucky, Louisiana, Maryland, Minnesota, Mississippi, Missouri, Montana, Nevada, New Hampshire, North Carolina, Ohio, Oregon, Oklahoma, Rhode Island, South Carolina, Tennessee, Texas, Vermont and Virginia occupational therapy regulatory boards accept courses presented by AOTA providers to meet the needs of OT continuing educational requirements. NAS courses are approved in North Carolina for continuing competency requirements for physical therapist license renewal. The New York State Education Department, Office of the Professions has approved NAS as a continuing education sponsor for physical therapists and assistants licensed in New York. FL OT Provider number 50-1442.

# Spinal Cord Injury

## Rehab Solutions for Successful Functional Outcomes



Presented by  
**Selina Morgan, PT, ATP**

**North American Seminars, Inc.**

**1-800-300-5512**  
Fax 1-800-310-5920  
[www.healthclick.com](http://www.healthclick.com)

		Day One		Day Two	
7:30	8:00	7:00	9:45	Seating and Positioning	
8:00	8:20	Registration		• The seating evaluation	
		Introduction		• Manual vs. power	
		• Objectives		• Deformity prevention and management	
		• Demographics		• Configuring the chair for function	
8:20	9:00	Anatomy and Physiology Review		• Power drive controls	
9:00	10:00	The Injury		• Environmental access	
		• Mechanism of injury		Break	
		• Spinal shock		Handling and Evaluation Lab	
		• Acute therapy intervention		• Bed mobility, transfers	
10:00	10:15	9:45	10:00	• Gait training	
10:15	12:00	10:00	12:00	• Seated posture evaluation and measurements for wheelchair prescription	
		Break		Lunch (on your own)	
		Secondary Injury Mechanisms		DC Planning	
		• Spasticity		• OP Therapy	
		• Autonomic dysreflexia		• Caregiver instruction and training	
		• Skin and soft tissue issues		• Assistive technology favorites for:	
		• Respiratory dysfunction		- Self care, homecare	
		• Bowel and bladder dysfunction		- Mobility within the home, EADLs	
		12:00	1:00	- Driving	
		1:00	2:00	- Fitness/ wellness	
		• Orthostatic hypotension		Handling Lab continued	
		• DVT • Heterotopic ossification		• Seating and positioning lab	
		• Osteoporosis and fracture		- Measurements	
		• Temperature regulation		- The mat assessment	
		• Syringomyelia		- Key measurements	
		• Nutrition		• Gait Lab	
		• Patient education and counseling		- Coming to standing	
		Lunch (on your own)		- Gait patterns and progressions	
		Initial Evaluation: Lecture/Lab		- Learning to fall and return to stand	
		• Functional vs. structural levels		Break	
		• Complete vs. incomplete diagnosis		Case Studies/Post-test	
		• Paraplegic vs. quadriplegic		• Discuss evaluation and treatment plans	
		• The modified manual muscle test		• Setting realistic goals	
		• The sensory evaluation		Review and Questions	
		• Measurement tools (ASIA, FIM, etc.)			
		• Functional mobility			
3:15	3:30	Break			
3:30	5:30	Expected Outcomes and Goal Setting:			
		• Quad Mobility Techniques		3:00	3:15
		- Bed mobility wheelchair mobility		3:15	4:00
		- Transfer training			
		• Para Mobility Techniques			
		- Bed mobility		4:00	4:30
		- Wheelchair mobility			
		- Transfers			
		- Gait training (conventional and augmentative)			

# About the Educator

Selina Morgan, PT, ATP, graduated from Texas A&M University with a B.S. in health education in 1984, and the University of Texas Health Science Center in Dallas, School of Physical Therapy in 1986. She is actively involved in the physical rehabilitation of neurologically compromised patients with special interest in spinal cord injury and assistive technology. She has held offices in: The National Spinal Cord Injury Association-South Texas Chapter, the adhoc committee to improve handicap accessibility in San Antonio and the access planning committee of the Alamo Dome.

Selina first gained teaching experience through her faculty position at the Texas Tech School of Physical Therapy in 1995. She continues to teach in areas of spinal cord injury, seating/mobility and assistive technology at the University of Texas Health and Science Center (schools of PT and OT) and the Army/Navy Baylor School of Physical Therapy at Fort Sam Houston.

Selina has received credentials through RESNA as an assistive technology practitioner since 2003.

**Call North American Seminars, Inc.  
1-800-300-5512**

If your facility is interested in becoming a course sponsor or if you are an educator interested in presenting courses with North American Seminars, Inc.

# Why You Should Attend This Course

This two-day course is designed to provide intermediate and progressive concepts to the rehabilitation therapist involved in the care of the spinal cord-injured patient. The focus of discussion in this course is on current treatment approaches related to spinal cord rehabilitation. Special emphasis is placed on complications that arise from spinal injury such as: spasticity, autonomic dysreflexia, skin and soft tissue issues, respiratory dysfunction, bowel and bladder dysfunction, orthostatic hypotension, DVT, heterotopic ossification, osteoporosis and fractures. Specific evaluation and treatment techniques are presented in this interactive lecture/lab format. Laboratory sessions will prepare the clinician with evaluation and handling techniques, wheelchair positioning and fitting. Participants will learn state of the art information to enhance their understanding of the treatment environment for the spinal cord population. Goal setting, therapeutic interventions, DC planning and projected outcomes are thoroughly discussed. This course explores both conventional and high-tech methods of achieving the best possible outcome and assists the clinician in facilitating critical thinking when developing treatment programs.

## Course Objectives

Upon completion of this course participants will be able to:

- Review the anatomy and physiology of the spinal cord and related central connections.
- Discuss mechanisms of injury and acute management as related to therapeutic intervention.
- Discuss common areas of intervention related to spinal cord injury and the importance of patient/family education.
- Identify key components to the therapy evaluation and indications for treatment planning.
- Discuss goal-setting and therapy techniques as they relate to various functional levels of injury.
- Practice evaluation and patient handling techniques.
- Discuss key issues related to discharge planning and long-term care issues.
- Discuss and apply the principles of seating, positioning and functional mobility.
- Explore environmental access options.
- Discuss funding issues as they relate to procurement of DME and long-term care services.

**Certificates of attendance are provided upon successful completion of the course.**

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**Registration Form**



**Spinal Cord Injury  
Registration fee: \$399**

Send checks to: North American Seminars, Inc.

2000 Mallory Lane Suite 130-67 Franklin, TN 37067  
1-800-300-5512 Fax 1-800-310-5920 www.healthclick.com

All cancellations must be submitted with written notice and received 14 days prior to the course date. Refunds and transfers minus the deposit fee of \$75.00 are provided until 14 business days prior to the course date. No refunds or transfers will be issued if notice is received after 14 days prior to the course date. North American Seminars, Inc. reserves the right to cancel any course and will not be responsible for any charges incurred by the registrant due to cancellation. A full course tuition refund will be issued if NAS cancels the course. NAS reserves the right to change a course date, location or instructor. No refund will be issued if course is in progress and is interrupted by an Act of War or God or issue beyond our control. NAS, Inc. will not be responsible for any participant expenses other than a course tuition refund for course cancellations.

Name \_\_\_\_\_ Profession \_\_\_\_\_

Home \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Credit Card \_\_\_\_\_

Exp.date \_\_\_\_\_ Phone (required) \_\_\_\_\_

e-mail (required) \_\_\_\_\_

Location of attendance \_\_\_\_\_