

# EDMONTON, ALBERTA

October 4-5, 2014

## SEMINAR DESCRIPTION

The first CE Program to organize this essential body of knowledge into one seminar for the rehabilitation specialist.

Intended for the speech pathologist, occupational therapist, nurse and dietician, this seminar integrates a holistic review of anatomy and physiology of the critical systems of the body as it relates to rehabilitation services. Presented will be valuable information on how body systems function to promote, delay or impede progress with intervention programs targeting communication, swallowing and activities of daily living. Functional concepts for understanding the relationships between pathophysiology, laboratory studies (eg. blood, urine, etc), and pharmacological interventions are introduced. Learn how heart rate, blood sugar levels and brain cell sodium levels can affect rehabilitation outcomes and what decisions need to be made when the status of these body systems are considered. This seminar puts it all together for the rehabilitation specialist. Participants will leave with a better understanding of how body systems function and a model for making decisions that can improve patient quality of care.

**Content Disclosure:** The content of this CE seminar does not focus exclusively on any specific proprietary product or service.

## SPEAKER



**Robert J. Arnold, SLP.D, CCC-SLP, BCS-S**, is the Chief Clinical Officer for Southeastern Biocommunication Associates, LLC. Dr. Arnold has over 20 years of experience in medical speech-language pathology as a diagnostician, therapist, clinical research scientist, author, inventor, and adjunct professor. He has made numerous presentations at the state, regional, and national level. Dr. Arnold has been twice presented with the Distinguished Clinical Achievement Award by the Speech and Hearing Association of Alabama and he is a Board Certified Specialist in Swallowing and Swallowing Disorders.

### Speaker Disclosure:

- Financial* — Robert Arnold is presenter of CE seminars sponsored by Northern Speech Services; receives speaking fees.
- Financial* — Robert Arnold is author of online CE courses sponsored by Northern Speech Services; receives royalties.
- Financial* — Robert Arnold is inventor of Oromotor Dynamometer; holds patent.
- Nonfinancial* — Robert Arnold has no relevant nonfinancial relationships to disclose.



#10

Body Organ Systems and  
Their Role in Rehabilitation  
Decision-Making and Outcomes

EDMONTON, ALBERTA

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1.2 CEUs  
12 CEEs



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## Body Organ Systems and Their Role in Rehabilitation Decision-Making and Outcomes

### Learn:

- Anatomy and physiology of critical body systems as related to rehabilitation service delivery
- Frequently encountered disease states known to have adverse impacts on swallowing, communication and activities of daily living
- Correlations between abnormal lab values and functional behaviors
- To identify medications for potential benefits or detriments pertaining to rehabilitation objectives



**SPEAKER:**  
**Robert J. Arnold,**  
SLP.D, CCC-SLP, BCS-S



888.337.3866  
NorthernSpeech.com



# Body Organ Systems and Their Role in Rehabilitation Decision-Making and Outcomes

1.2 CEUs  
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## SEMINAR LOCATION

### EDMONTON, ALBERTA

October 4-5, 2014

**Royal Alexandra Hospital**  
Robbins Learning Centre  
10245 – 111 Avenue NW  
Edmonton, AB T5H 3V9  
**Phone: 780-735-4111**

**Parking:** \$14 - 16 for full day. Use the surface parking lot across 111 Ave NW from Robbins Pavillion / Lois Hole Hospital. Or, use the Northeast Parkade (P2) accessed via 102 St.

**Hotel Accommodations:**  
No room blocks have been secured so negotiate your best rate.

**Best Western Plus**  
(about 5 minute drive to seminar venue)  
11310 109th Street  
Edmonton, AB T5G 2T7  
**Phone: 780-479-2042**

**Marriott Courtyard**  
(about a 10 minute drive to seminar venue)  
1 Thornton Ct NW  
Edmonton, AB T5J 2E7  
**Phone: 780-423-9999**

**Holiday Inn Express**  
(about a 10 minute drive to seminar venue)  
10010 104th Street NW  
Edmonton, AB T5J 0Z1  
**Phone: 780-423-2450**

## TUITION

**\$295 USD Individual**

**\$285 USD each for groups of 2+**

**\$275 USD each for groups of 5+**

*\*Groups MUST register together*

SPACE IS LIMITED AND REGISTRATION MUST BE CONFIRMED BY CREDIT CARD, CHECK OR PURCHASE ORDER.



## SEMINAR OBJECTIVES

At seminar conclusion, participants will be able to:

1. Develop a holistic perspective of body systems and their respective impacts on communication and swallowing processes and all activities of daily living.
2. Acquire foundational knowledge in rarely reviewed but often encountered disease states known to have adverse impacts on communication, swallowing and all activities of daily living.
3. Identify abnormal lab values and how they may or may not be related to a specific rehabilitation goal.
4. Review medications for potential benefits and detriments pertaining to a specific treatment objective.

## SEMINAR OUTLINE

### DAY ONE

7:30-7:55	<b>Check In and Onsite Registration (Coffee and Tea)</b>
7:55-8:00	General Seminar Information
8:00-10:30	A Focused Review of Anatomy & Physiology of the Human Body: Application to Rehabilitation Services
10:30-10:45	<b>Break</b>
10:45-12:15	Anatomy & Physiology <i>continued</i>
12:15-1:15	<b>Lunch on Own</b>
1:15-2:45	Functional Applications of Pathophysiology for Rehabilitation Services
2:45-3:00	<b>Break</b>
3:00-4:30	Pathophysiology <i>continued</i>
4:30	<b>Adjourn and Sign Out</b>


### DAY TWO

7:30-7:55	<b>Sign In (Coffee and Tea)</b>
8:00-10:00	Body Fluids And Lab Values: The Body's Crystal Ball
10:00-10:15	<b>Break</b>
10:15-12:15	Pharmacology: A Two-Edged Sword of Intervention
12:15-12:30	<b>Break</b>
12:30-1:30	Case Studies to Apply Learned Information
1:30	<b>Adjourn, Sign Out and Certificates</b>

**Intended Audience:** Speech pathologists, occupational therapists, nurses, and dieticians who provide rehab services to adults.  
**LEVEL:** Intermediate.

## ACCREDITATION

APPROVED PROVIDER



ASHA CONTINUING EDUCATION  
AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

Northern Speech Services is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.



Offered for 12 CEEs.



OTA: Approved Provider of Continuing Education by the American Occupational Therapy Association, Inc. #4095.

**This course is offered for 1.2 ASHA CEUs**  
(Intermediate level, Professional area).

Northern Speech Services' continuing education activities are eligible for Speech-Language and Audiology Canada (SAC) Continuing Education Equivalents (CEEs) in speech-language pathology. SAC CEE approval does not imply endorsement of course content, specific products or clinical procedures.

Register at [www.NorthernSpeech.com](http://www.NorthernSpeech.com) | Phone: 888-337-3866 | Fax: 888-696-9655

## REGISTRATION INFORMATION

**4 Ways to Register!**

1. Online: [www.northernspeech.com/seminars](http://www.northernspeech.com/seminars)
2. Phone: 888-337-3866
3. Fax: 888-696-9655
4. Mail: **NSS**, P.O. Box 1247, Gaylord, MI 49734

**EDMONTON, ALBERTA • October 4-5, 2014 (#2240)**

**Please print very clearly**

Name of Registrant \_\_\_\_\_

ASHA Account Number \_\_\_\_\_

SAC (CASLPA) Number \_\_\_\_\_

Provincial / State Lic Number \_\_\_\_\_

Discipline for CEU/CEE Processing ☐ SLP ☐ OT ☐ Other \_\_\_\_\_

Work Facility Name & Address \_\_\_\_\_

Your Employment Setting ☐ Hospital ☐ Private Practice Clinic ☐ University Faculty

☐ Long-Term Care ☐ School ☐ Home Health ☐ Student ☐ Other \_\_\_\_\_

Home Address \_\_\_\_\_

Please indicate numbers where you can be reached regarding seminar changes or updates

Phone: Work (\_\_\_\_\_) \_\_\_\_\_

Home (\_\_\_\_\_) \_\_\_\_\_

Cell (\_\_\_\_\_) \_\_\_\_\_

Email Address \_\_\_\_\_

Tuition Amount \$ \_\_\_\_\_ US Funds

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

(Visa, MC, Amerx, Discover)

Expiration Date \_\_\_\_\_ CV #\* \_\_\_\_\_

\*CV# is the last 3 digits on the signature panel of Visa/MC/Discover • 4 digit # above card # on front of Amx

Card Holder's Name \_\_\_\_\_

Card Holder's Signature \_\_\_\_\_

Card Holder's Address \_\_\_\_\_

Purchase Order # \_\_\_\_\_

Check Issued From \_\_\_\_\_

PO Contact Phone # \_\_\_\_\_

Mail Registration To: **NSS**, P.O. Box 1247, Gaylord, MI 49734  
or Call: 888.337.3866 Fax: 888.696.9655 email: [info@northernspeech.com](mailto:info@northernspeech.com)

**LATE FEE:** Add \$20 if registering less than two weeks prior to seminar.  
**CANCELLATIONS:** Tuition will be refunded less a \$25 processing fee, if written notification is received by NSS up to two weeks prior to the seminar. Two weeks to 72 hours prior to seminar date 50% refund; 72 hours or less no refund. NSS reserves the right to cancel the event 7 days prior to the seminar date.