TARGET AUDIENCE
This course is designed for physicians, certified registered nurse anesthetists, registered nurses, physician assistants and other medical care providers who already process knowledge and skills in regional anesthesia or vascular cannulation.

PROGRAM PURPOSE
The success of real-time, ultrasound-guided insertion of needles for regional anesthetic administration and peripheral and central vascular line insertion over all other techniques has heralded the techniques as standard-of-care for the future, especially in challenging patients in the hands of inexperienced or infrequent users. In fact, it has been suggested that morbidity resulting from insertion may be legally indefensible in the absence of the use of these devices. This workshop is intended for the practitioner already possessing skill and experience with regional anesthetic administration and/or peripheral and central vascular cannulation who wish instruction and the opportunity to handle the equipment for these procedures and instructor - assisted practice identifying anatomy and procuring the ergonomic skill of managing the equipment while performing the techniques.

OBJECTIVES
At the conclusion of this program, the participant will be able to:
• List the benefits of using real-time, ultrasound guidance for regional anesthesia administration and vascular access
• Apply pertinent aspects of ultrasound scanning in identifying specific target anatomy for needle placement including principles of physics important in positioning the patient, the scanner, visualizing the needle point and verifying the anatomy as the needle is advanced
• Differentiate the ultrasound images of vessels, peripheral nerves, tendons, layers of fascia, nerve plexus and the dura and discuss methods of improving and altering the ultrasound image to reap the best benefit from the technique
• Under instruction, establish a technique to handle the ultrasound equipment while performing needle placement in a sterile field, try different ultrasound equipment available at the work stations at the course, identify and differentiate anatomic structures imaged with ultrasound on both living and anatomical models

ACCREDITATION
The A. Webb Roberts Center for Continuing Medical Education of Baylor Health Care System, Dallas designates this course as a Level 1 in accordance with AMA/PRA Credit and Classification Guidelines. Physicians should claim only the credits commensurate with the extent of their participation in the activity. This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of A. Webb Roberts Center for Continuing Medical Education of Baylor Health Care System, Dallas and Northwest Anesthesia Seminars, Inc. The A. Webb Roberts Center for Continuing Medical Education of Baylor Health Care System, Dallas is accredited by the ACCME to provide continuing medical education for physicians. PAs: AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 8 hours of Category 1 credit for completing this program.

CRNAs: This program has been prior approved by the AANA for 8 CEC; AANA Code #1028484; Expiration date 12/31/2014.

Accredited by the NCCAA accepts these ACCME-approved programs for continuing educational credits.

LIMITED ENROLLMENT - EARLY REGISTRATION IS A MUST!

ULTRASOUND GUIDED REGIONAL ANESTHESIA
The use of ultrasound imaging for regional anesthesia is an emerging and important field in anesthesiology. It can improve both the quality, success rate, and safety of regional blocks.

The use of ultrasound allows real time visualization of the nerves and the surrounding structures with real time guidance prior to advancing the needle and visual confirmation of the local anesthetic spread around the nerve. Initial studies and results suggest that ultrasound guidance may decrease latency and improve success rates, eliminating or reducing serious complications.

ULTRASOUND GUIDED VASCULAR ACCESS
Unsuccessful insertion of CVCs may occur in up to 20% of cases. The hazards associated with multiple attempts and blind insertion techniques include arterial puncture, hemothoma, pneumothorax, hemothorax, chylothorax, brachial plexus injury, arrhythmias, air embolus, catheter malposition, and catheter knotting.

Ultrasound assisted vascular access provides a safe and efficient means of obtaining both peripheral and central venous access, thus reducing morbidity and increasing the success rate and efficiency.

Recently ultrasound guidance has been mandated by the AHRQ for central line placement and its use for peripheral access has been adopted by many physicians and nurses.

This workshop will provide participants with didactic lectures and hands-on experience with ultrasound machines/probes on live models to identify important anatomical landmarks and assist with visualization of target nerves and vessels. Gel block devices will be used to practice in-plane and out-of-plane needle advancement.

SKILLS LEVEL CLASSIFICATION
The A. Webb Roberts Center for Continuing Education of Baylor Health Care System, Dallas designates this course as a Level 1 in accordance with AMA/PRA Credit and Classification Guidelines.

We have a block of rooms at each location for seminar participants. Once this block is sold, rooms are based upon availability only. See inside for course tuition.

CONCURRENT COURSES
Other courses are being presented in these same locations either the day after or before this workshop. See our web site for information.

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LOCATIONS AND DATES
January 20, 2014 - Las Vegas, Nevada
February 12, 2014 - Orlando, Florida
February 19, 2014 - Charleston, South Carolina
March 5, 2014 - Dallas, Texas
March 17, 2014 - New York, New York
April 14, 2014 - Las Vegas, Nevada
April 30, 2014 - Destin, Florida
May 9, 2014 - Baltimore, Maryland
May 14, 2014 - Nashville, Tennessee
May 16, 2014 - San Francisco, California
June 18, 2014 - Arlington, Virginia
July 9, 2014 - Branson, Missouri
July 18, 2014 - Clearwater Beach, Florida
August 11, 2014 - San Diego, California
August 20, 2014 - Hershey, Pennsylvania
August 29, 2014 - Boston, Massachusetts
September 7, 2014 - Las Vegas, Nevada
October 1, 2014 - Gatlinburg, Tennessee
November 5, 2014 - Key West, Florida
November 17, 2014 - Las Vegas, Nevada
December 10, 2014 - Miami, Florida
ULTRASOUND GUIDED REGIONAL ANESTHESIA AND VASCULAR ACCESS WORKSHOP

January 20, 2014 - Las Vegas, NV
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March 5, 2014 - Dallas, TX
March 17, 2014 - New York, NY
April 14, 2014 - Las Vegas, NV
April 30, 2014 - Destin, FL
May 9, 2014 - Baltimore, MD
May 14, 2014 - Nashville, TN
May 16, 2014 - San Francisco, CA
June 14, 2014 - Arlington, VA

Registration - Mandatory Sign-In - Continental Breakfast

• Practice and demonstrate the proper technique for vascular access
• Practice the proper technique with the assistance of an instructor

1330

• With ideal ultrasound machine settings and location, identify the
• Practice and demonstrate the proper technique for vascular access
• Utilize proper CPT codes to maximize revenue from this procedure

1145

• Appreciate the benefits of using ultrasound for the administration of regional anesthetics and vascular access
• Review the current data regarding ultrasound guided procedures
• Consider the patient safety concerns when performing ultrasound guided regional anesthesia
• Understand the physics of ultrasound and ultrasound knobology as they relate to different image planes and image optimization
• Realize the different appearances of anatomical structures under ultrasound, including nerve plexi, terminal peripheral nerves, vasculature, fascia, and muscle
• Identify different needle approaches to ultrasound guided regional anesthesia and appreciate its effect on needle tip visualization

0930 Break

0945 Ultrasound Anatomy of Neck and Upper Extremity

• With ideal ultrasound machine settings and location, identify the pertinent brachial plexus neuroanatomy and vasculature of the neck and upper extremity
• Learn different needle approaches for successful blockade of the brachial plexus in the interscalene, supraclavicular, infracavicular and axillary regions, as well as blockade of terminal nerves

1045 Ultrasound Anatomy of the Lower Extremity

• With ideal ultrasound machine settings and location, identify the pertinent femoral and sciatic neuroanatomy and vasculature of the inguinal region
• Learn different needle approaches for successful blockade of the femoral nerve in the inguinal area, the sciatic nerve in the gluteal area and popliteal fossa and the saphenous nerve in the lower leg

1145 Billing for Ultrasound Guided Blocks

• Utilize proper CPT codes to maximize revenue from this procedure

1200 Lunch (on your own)

1320 Mandatory Sign-In

1330 Hands-On Demonstration and Practice Sessions with Various Ultrasound Machines as Provided by Vendors

• Practice the proper technique with the assistance of an instructor until facile with the equipment and appropriate sequencing for successful ultrasound technique
• Locate and identify major neural and vascular structures on a live model
• Perform simulated nerve block on a phantom model using ultrasound machine
• Practice and demonstrate the proper technique for vascular access under ultrasound guidance on aphantom model

FACULTY

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Duke University School of Medicine
San Diego, California

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University of Miami, Leonard Miller School of Medicine
Miami, Florida

CONSISTS OF ONE LISTED BELOW OR OTHERS WHO MAY BE ADDED

CALL ONE NUMBER • (800) 222-6927
With one toll-free call you can register for the seminar and reserve your hotel room.
ULTRASOUND
AANAA or MD/RN last 4 digit of SS# ________ Today’s Date ________

Name
Street

City State Zip

Country Email

Phone ________ Cell ________

HOTEL RESERVATION - ULTRASOUND - 14UL
Please reserve room(s) for _____ persons Bed configuration: ______ Bed ______ Beds
Smoking ______ Non smoking ______

Arrival Date ________ Depart Date ________

Rates are single / double occupancy plus tax. A portion of the room rate is used to partially offset the cost of refreshments served during the program for participants only.

Las Vegas, NV (Jan.) - Vida Hotel & Spa Run of House:
Deluxe Suite: $127 + $25 Resort Fee
Las Vegas, NV - Mandalay Bay
Run of House: $199 + $35 Resort Fee

Orlando, FL - Hyatt Grand Cypress Run of House:
Buena Vista Room: $219 + Resort Fee
San Diego, CA - Hotel Solamar
Run of House Room: $295

Dallas, TX - Crowne Plaza Run of House: $155
San Francisco, CA - Hyatt Regency Run of House: $380

New York, NY - Marriott Eastside Room of House:
Corin Room: $329

Las Vegas, NV (Apr.) - Cosmopolitan Room of House:
Run of House: $230

Destin, FL - Hilton Sandestin Room of House: $265

Baltimore, MD - Marriott Waterfront Standard Room: $239

Nashville, TN - Hutton Room of House: $299

San Francisco, CA - Fisherman’s Wharf Room of House: $260

Arlington, VA - Westin Arlington Gateway Run of House: $219 + Resort Fee

1st night + tax deposit required with reservation.

CANCELLATION: Determined by individual hotel policy. Call for information.

□ Check payable to Northwest Worldwide Travel enclosed (must be received a minimum of 45 days prior to arrival) or guarantee with: □ Visa □ MasterCard □ American Express

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Number ________ (hotel only, CC not accepted for tuition)

EXP Date ________

CVC

8 CME I / 8 CEC

Adjourn

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