



Program

Pre-course Video eLearning and Pre-test (Required)

5.50 credits

Pre-course Video eLearning

Registration includes mandatory eLearning of at least 5.50 hours of video instruction and submission of pre-test responses; completion is required prior to attending. Supplemental, optional expert scanning demonstration videos not included in CME credit are also available to attendees. Access information will be sent to paid participants beginning August 2021.

1.	Basic Ultrasound and Needling Approaches (25 minutes)
2.	Ultrasound Physics, Artifacts, Pitfalls, and Complications – Part 1 (36 minutes)
3.	Ultrasound Physics, Artifacts, Pitfalls, and Complications – Part 2 (17 minutes)
4.	Clinical Applications Part 1 General Introduction, Ultrasound Guided Nerve Blocks- Are They Better Than Nerve Stimulation? (26 minutes)
5.	Update on Ultrasound Nerve Blocks and Anatomy of the Upper Extremity (47 minutes)
6.	Clinical Applications Part 3 Lower Limb Nerve Blocks and Ultrasound Safety (38 minutes)
7.	Sono-Anatomy and Techniques for Truncal And Chest: Part 1 (30 minutes)
8.	Sono-Anatomy and Techniques for Truncal And Chest: Part 2 (21 minutes)
9.	Billing and Documentation in Different Jurisdictions (34 minutes)
10.	Local Anesthetic Systemic Toxicity (LAST) (38 minutes)
11	Beyond the On Switch: Optimizing Ultrasound for Vascular Access and Regional Anesthesia (Knobology) (24 minutes)
	Supplemental, Optional Expert Scanning Demonstration Videos (not included in CME credit):
	<ul style="list-style-type: none"> • Upper Extremity • Thoracic Wall Blocks • Abdominal Wall Blocks • Lower Extremity

Saturday, November 6, 2021

9.50 credits

7:00 am	Registration and Breakfast
7:15 am	Welcome and Introduction
7:20 am	Lecture: Upper Limb Scanning Preview
7:40 am	Break and Transition to Lab
7:45 am	Upper Limb Scanning – Group Assignments

Learners will be in small working groups categorized as A or B. The course structure enables all learners to address each focused content area via both hands-on live model scanning and cadaver needling.

Throughout the course, all six blocks will be covered at each station so that learners will be exposed to a variety of faculty for each of the blocks. Attendees will be placed in groups numbered 1-18 (indicated on name badge), with 5 participants in each group. Groups rotate to a different station during each station, offering participants the opportunity to scan different models, work with different faculty, and use multiple point-of-care ultrasound machines, all of which add to the learning experience.	
Group A	Group B
Hands-On Live Model Scanning (sonoanatomy) All blocks will be covered at each station so that learners will be exposed to a variety of faculty for each of the blocks. (20 minutes at each station)	Cadaver and Meat Phantom Needling, Clinical Scenario and Anatomy Stations (single shot and selected continuous catheter techniques) (40 minutes at each station)
Blocks to be covered: 1. Interscalene 2. Supraclavicular 3. Infraclavicular 4. Suprascapular Nerve, distal at elbow 5. Axillary Block 6. Consolidate/ Review	<ul style="list-style-type: none"> • Cadaver station needling upper limb blocks 1. Interscalene 2. Supraclavicular 3. Infraclavicular 4. Suprascapular Nerve, distal at elbow 5. Axillary Block 6. Consolidate/Review • Clinical Scenarios, ultrasound physics • Anatomy of lower limb



.9:45 am
10:00 am

Break
Upper Limb Scanning – Groups swap to alternate side

Group B	Group A
Hands-On Live Model Scanning (sonoanatomy) All blocks will be covered at each station so that learners will be exposed to a variety of faculty for each of the blocks. (20 minutes at each station)	Cadaver and Meat Phantom Needling, Clinical Scenario and Anatomy Stations (single shot and selected continuous catheter techniques) (40 minutes at each station)
Blocks to be covered: 1. Interscalene 2. Supraclavicular 3. Infraclavicular 4. Suprascapular Nerve, distal at elbow 5. Axillary Block 6. Consolidate/ Review	<ul style="list-style-type: none"> • Cadaver station needling upper limb blocks <ol style="list-style-type: none"> 1. Interscalene 2. Supraclavicular 3. Infraclavicular 4. Suprascapular Nerve, distal at elbow 5. Axillary Block 6. Consolidate/Review • Clinical Scenarios, ultrasound physics • Anatomy of lower limb

12:00 pm
12:10 pm
12:40 pm
1:00 pm
1:10 pm

Break and Transition to Lunch Lectures
Lunch Lecture 1: Q+A Review – Upper Limb Labs
Lunch Lecture 2: Lower Limb Scanning Preview
Break and Transition to Lab
Lower Limb Scanning – Group Assignments

Group A	Group B
Hands-On Live Model Scanning (sonoanatomy) All six blocks will be covered at each station so that learners will be exposed to a variety of faculty for each of the blocks. (20 minutes at each station)	Cadaver and Meat Phantom Needling, Clinical Scenario and Anatomy Stations (single shot and selected continuous catheter techniques) (40 minutes at each station)
Blocks to be covered: 1. Fascia Iliaca / Supra Inguinal Fascia Iliaca 2. Subsartorial / adductor canal distal femoral / Sapheous 3. Anterior Sciatic / Obturator 4. Ankle 5. Popliteal / iPACK 6. Consolidate/ Review	<ul style="list-style-type: none"> • Cadaver station needling lower limb blocks <ol style="list-style-type: none"> 1. Fascia Iliaca / Supra Inguinal Fascia Iliaca 2. Subsartorial / adductor canal distal femoral / Sapheous 3. Anterior Sciatic / Obturator 4. Ankle 5. Popliteal / iPACK 6. Consolidate / Review • Clinical Scenarios, ultrasound physics • Anatomy of lower limb

3:10 pm
3:25 pm

Break
Lower Limb Scanning – Groups swap to alternate side

Group B	Group A
Hands-On Live Model Scanning (sonoanatomy) All six blocks will be covered at each station so that learners will be exposed to a variety of faculty for each of the blocks. (20 minutes at each station)	Cadaver and Meat Phantom Needling, Clinical Scenario and Anatomy Stations (single shot and selected continuous catheter techniques) (40 minutes at each station)
Blocks to be covered: 1. Fascia Iliaca / Supra Inguinal Fascia Iliaca 2. Subsartorial / adductor canal distal femoral / Sapheous 3. Anterior Sciatic / Obturator 4. Ankle 5. Popliteal / iPACK 6. Consolidate/ Review	<ul style="list-style-type: none"> • Cadaver station needling lower limb blocks <ol style="list-style-type: none"> 1. Fascia Iliaca / Supra Inguinal Fascia Iliaca 2. Subsartorial / adductor canal distal femoral / Sapheous 3. Anterior Sciatic / Obturator 4. Ankle 5. Popliteal / iPACK 6. Consolidate / Review • Clinical Scenarios, ultrasound physics • Anatomy of lower limb



ASRA Ultrasound-Guided Regional Anesthesia Cadaver Course

November 6-7, 2021
Northwestern Simulation | Chicago, Illinois



- 5:25 pm Break and Transition to Lecture
- 5:35 pm **Lecture: Q+A Review – Core Upper limb spine and chest**
- 6:00 pm Day 1 Adjournment

Sunday, November 7, 2021 **6.50 credits**

7:00 am Breakfast and Lecture: Chest and Trunk Scanning Preview

7:30 am Break and Transition to Lab

7:35 am Chest and Trunk Scanning – Group Assignments

Group A	Group B
Hands-On Live Model Scanning (sonoanatomy) All six blocks will be covered at each station so that learners will be exposed to a variety of faculty for each of the blocks. (20 minutes at each station)	Cadaver and Meat Phantom Needling, Clinical Scenario and Anatomy Stations (single shot and selected continuous catheter techniques) (40 minutes at each station)
Blocks to be covered: <ol style="list-style-type: none"> 1. TAP / Lateral Quadratus Lumborum / Posterior Quadratus Lumborum 2. Rectus Sheath / Iliohypogastric-Ilioinguinal 3. Anterior Quadratus Lumborum 4. PVB Erector Spinae Plane and Retrolaminar Block 5. PECS / Serratus Anterior 6. Consolidate/ Review 	<ul style="list-style-type: none"> • Cadaver station needling chest and trunk <ol style="list-style-type: none"> 1. TAP / Lateral Quadratus Lumborum / Posterior Quadratus Lumborum 2. Rectus Sheath / Iliohypogastric-Ilioinguinal 3. Anterior Quadratus Lumborum 4. PVB Erector Spinae Plane and Retrolaminar Block 5. PECS / Serratus Anterior 6. Consolidate / Review • Clinical Scenarios, ultrasound physics • Anatomy of chest and trunk

9:35 am Break to Next Area

9:50 am Chest and Trunk Scanning – Groups swap to alternate side

Group B	Group A
Hands-On Live Model Scanning (sonoanatomy) All six blocks will be covered at each station so that learners will be exposed to a variety of faculty for each of the blocks. (20 minutes at each station)	Cadaver and Meat Phantom Needling, Clinical Scenario and Anatomy Stations (single shot and selected continuous catheter techniques) (40 minutes at each station)
Blocks to be covered: <ol style="list-style-type: none"> 1. TAP / Lateral Quadratus Lumborum / Posterior Quadratus Lumborum 2. Rectus Sheath / Iliohypogastric-Ilioinguinal 3. Anterior Quadratus Lumborum 4. PVB Erector Spinae Plane and Retrolaminar Block 5. PECS / Serratus Anterior 6. Consolidate/ Review 	<ul style="list-style-type: none"> • Cadaver station needling chest and trunk <ol style="list-style-type: none"> 1. TAP / Lateral Quadratus Lumborum / Posterior Quadratus Lumborum 2. Rectus Sheath / Iliohypogastric-Ilioinguinal 3. Anterior Quadratus Lumborum 4. PVB Erector Spinae Plane and Retrolaminar Block 5. PECS / Serratus Anterior 6. Consolidate / Review • Clinical Scenarios, ultrasound physics • Anatomy of chest and trunk

11:50 pm Break to Transition to Lunch Lectures

12:00 pm Lunch Lecture 1: Q+A Review – Chest and Trunk Labs

1:00 pm **Lecture: Live Scanning with Faculty**

1:45 pm **Course Recap and Closing Remarks**

2:00 pm Adjournment