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ULTRASOUND
INSTITUTE**

*Confidence. Competence.
Proven Results.*

GULF COAST ULTRASOUND

I N S T I T U T E

CONFIDENCE • COMPETENCE • PROVEN RESULTS

2020 CATALOG

ULTRASOUND CME DESIGNED FOR:

INDIVIDUALS, EDUCATORS, GROUPS & HOSPITALS

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- | | | |
|----------------------|------------------------|------------------------|
| ▶ ABDOMINAL | ▶ LIVE COURSES | ▶ POINT OF CARE |
| ▶ ADULT ECHO | ▶ MUSCULOSKELETAL | ▶ PRIMARY CARE |
| ▶ ANESTHESIOLOGY | ▶ OB - GYN | ▶ REGISTRY REVIEWS |
| ▶ BLENDED EDUCATION | ▶ ONLINE COURSES | ▶ CME VITALS |
| ▶ CRITICAL CARE | ▶ ON SITE EDUCATION | ▶ TRANSCRANIAL DOPPLER |
| ▶ EMERGENCY MEDICINE | ▶ PEDIATRIC SONOGRAPHY | ▶ UROLOGY |
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ABOUT IAC | The IAC is a nonprofit organization in operation to evaluate and accredit facilities that provide diagnostic imaging and procedure-based modalities, thus improving the quality of patient care provided in private offices, clinics and hospitals where such services are performed. Committed to its mission through a rigorous peer review process, the IAC has granted accreditation to more than 14,000 sites since its inception in 1991. IAC accreditation is widely respected within the medical community, as illustrated by the support of more than 40 national medical societies.

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09 | ECHOCARDIOGRAPHY

- 10 Introduction to Adult Echocardiography Live Course
- 11 Blended Introduction to Adult Echocardiography Course
- 12, 13 Echocardiography Ultrasound Training Products
- 13 Echocardiography Online Courses & Books
- 59 & 60 Echocardiography Registry Review



15 | MUSCULOSKELETAL

- 16 Introduction to MSK Ultrasound Live Course
- 17 Advanced & Interventional MSK Ultrasound Live Course
- 18 Regenerative Medicine Musculoskeletal Ultrasound
- 19 Blended Introduction to MSK Ultrasound Course
- 20, 21, 22 Musculoskeletal Ultrasound Training Products
- 22 Musculoskeletal Ultrasound Online Courses, CME Vitals & Books
- 55, 59, 60 Musculoskeletal Ultrasound Registry Review
- 52, 58, 60 SPI/Physics Ultrasound Registry Review



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- 24 Introduction to Carotid Duplex/Color Flow Live Course
- 25 Blended Introduction to Carotid Duplex/Color Flow Course
- 26 Introduction to Peripheral Vascular Duplex/Color Flow Live Course
- 27 Blended Introduction to Peripheral Vascular Duplex/Color Flow Course
- 28 Blended Introduction to Transcranial Cranial Doppler Course
- 29-31 Vascular Ultrasound Training Products
- 30, 31 Vascular Ultrasound Online Courses, CME Vitals, Books & Accessories
- 53, 59, 60 Vascular Ultrasound Registry Review
- 56, 59, 60 Vascular Interpretation & RPVI Registry Review



33 | EMERGENCY MEDICINE/CRITICAL CARE & PEDIATRICS

- 34 Introduction to Emergency Medicine Ultrasound Live Course
- 35 Introduction to Critical Care Ultrasound Live Course
- 36 Advanced Emergency & Critical Care Ultrasound Live Course
- 37 Ultrasound Guided Nerve Blocks for Emergency Medicine Live Course
- 38 Ultrasound Guided Vascular Access Live Course
- 39 Ultrasound Guided Regional Anesthesia Live Course
- 40 Blended Point of Care Ultrasound Courses
- 41-44 Point of Care Ultrasound Training Products
- 42 & 44 Point of Care & Pediatric Ultrasound Online Courses & Books
- 60 Pediatric Ultrasound Registry Review



45 | ABDOMINAL, PRIMARY CARE & WOMEN'S HEALTH

- 40 Blended Primary Care Ultrasound Courses
- 46 Introduction to Abdominal and Primary Care Live Course
- 47 Introduction to OB/GYN Live Course
- 48-50 Abdominal, Primary Care & Women's Health Training Products
- 50 Abdominal Ultrasound Online Courses
- 54, 58 & 60 Abdominal Ultrasound Registry Review
- 50 & 60 Women's Health Ultrasound Online Courses
- 57 & 60 Women's Health Ultrasound Registry Review

WHAT GULF COAST OFFERS:

GCUS OFFERS CME ACTIVITIES FOR ALL SPECIALTIES & ALL LEVELS OF EXPERIENCE

INTRODUCTORY LEVEL COURSES: *(Live Hands-on, Online, or Blended.)*

- POINT-OF-CARE ULTRASOUND
 - ~ Emergency Medicine
 - ~ Trauma
 - ~ Critical Care
 - ~ Pediatrics
- MUSCULOSKELETAL ULTRASOUND
 - GENERAL/ABDOMINAL ULTRASOUND
 - WOMEN'S HEALTH ULTRASOUND
 - ~ OB/GYN
 - ~ Breast
 - ~ Fetal Echo
- CARDIOVASCULAR ULTRASOUND
 - ~ Echocardiography
 - ~ Carotid
 - ~ Peripheral Vascular
 - ~ Transcranial Doppler

INTERMEDIATE/ADVANCED LEVEL: *(Live Hands-on, Online, or Blended.)*

- POINT-OF-CARE ULTRASOUND
 - ~ Emergency Medicine
 - ~ Nerve Blocks for EM
 - ~ Critical Care
 - ~ Regional Anesthesia
- MUSCULOSKELETAL ULTRASOUND
 - ~ Interventional MSK
 - ~ Regenerative Medicine
 - ~ Peripheral Nerve
- REGISTRY PREPARATION
 - ~ All Specialties

BLENDED EDUCATION: *(The Most Flexible Comprehensive Ultrasound Education Available.)*

- Complete a Comprehensive Online Course + Attend a Hands-On Scanning Skills Workshop.
 - ~ Available for All Specialties
 - ~ Regularly Scheduled Blended Courses or Private Courses Available
 - ~ 15 Months Unlimited Access to Online Course Material

CUSTOM PROGRAMS: *(For Groups or Individuals: All Specialties.)*

- ONSITE AT YOUR FACILITY
- CORPORATE TRAINING PROGRAMS
- PRIVATE HANDS-ON
- LIVE LECTURES OR BLENDED

LEADING PROVIDER OF SELF-DIRECTED EDUCATIONAL PRODUCTS

We offer a full line of self-directed accredited educational products offering CME credit for all levels of learners including:

- REGISTRY PREPARATION
 - ~ Live & Online Courses
 - ~ Workbooks (Print and Digital)
 - ~ Flashcards (Print and Digital)
 - ~ Online Mock Exams
- TRAINING VIDEOS *(All Specialties.)*
 - >300+ DVDs & Online Videos
- EDUCATOR & MILITARY DISCOUNTS
- CME VITALS (Quick, Affordable, Online)
- PROTOCOL MANUALS *(w/ Online Demos.)*
- COMPREHENSIVE ONLINE COURSES
- ULTRASOUND ACCESSORIES/BOOKS

OUTSTANDING PERFORMANCE

- Quality education provider since 1985
- Over 150,000 medical professionals have received education through Gulfcoast Ultrasound Institute
- 99% + satisfaction for meeting or exceeding educational objectives
- ACCME accredited provider of *AMA PRA Category 1 Credit(s)*[™]
- Lowest participant/faculty ratio in the industry for hands-on scanning
- ABIM MOC, ACEP, & AANA CME Credits also available for select programs
- Nationally recognized expert speakers in ultrasound
- All hands-on instructors are clinically active & registered
- Site Licence Educator Program

INNOVATORS IN ADVANCED TECHNOLOGY

- All specialties offer comprehensive online courses enabling access to material & CME from anywhere, anytime, on any device.
- HD broadcasting/recording of programs allow those unable to travel, the ability to obtain their education from anywhere.
- All DVDs & Mock Exams are available in online format
- Corporate Video Production Services

2020 PROGRAM SCHEDULE

DATE(S)	COURSES	EXPERT FACULTY	CREDITS	PAGE
JANUARY				
01/27 - 01/29/2020	Introduction to Musculoskeletal Ultrasound	All MSK Ultrasound Faculty	19.5 AMA, 19.5 MOC	16
01/27 - 02/29/2020	Introduction to Musculoskeletal Ultrasound with Human Cadaver Lab	All MSK Ultrasound Faculty	23.5 AMA, 23.5 MOC	16
01/30 - 01/31/2020	Advanced & Interventional MSK Ultrasound	All MSK Ultrasound Faculty	15.0 AMA, 15.0 MOC	17
01/30 - 01/31/2020	Regenerative Medicine MSK Ultrasound	All MSK Ultrasound Faculty	16.0 AMA, 16.0 MOC	18
FEBRUARY				
02/10 - 02/11/2020	Vascular Interpretation and RPVI Review <i>Also Available as Live Webinar</i>	Marsha Neumyer Robert Atnip	16.5 AMA, 16.5 MOC (WEBINAR 16.5 AMA)	56
02/24 - 02/26/2020	Introduction to Emergency Medicine Ultrasound	James Mateer Alexander Levitov Bret P. Nelson	25.5 AMA, 25.5 MOC, 25.5 ACEP	34
02/25 - 02/26/2020	Introduction to Critical Care Ultrasound	James Mateer Alexander Levitov Bret P. Nelson	17.0 AMA, 17.0 MOC, 17.0 ACEP	35
02/27 - 02/28/2020	Adv. Emergency Med. & Critical Care Ultrasound	James Mateer Alexander Levitov Andreas Dewitz Daniel Bourque	16.5 AMA, 16.5 MOC, 16.5 ACEP	36
MARCH				
03/26/2020	Blended Intro. to Abdominal & Primary Care Ultrasound	Charlotte Derr James Mateer Andreas Dewitz	17.25 Online AMA + 6.0 Scan Lab AMA	40
03/27/2020	Blended Introduction to OB/GYN Ultrasound	Charlotte Derr James Mateer Andreas Dewitz	13.25 Online AMA + 6.0 Scan Lab AMA	40
APRIL				
04/02/2020	Ultrasound Guided Vascular Access <i>Also Available as Live Webinar</i>	Andreas Dewitz	7.25 AMA, 7.25 ACEP, 7.25 MOC 6.75 AANA (WEBINAR 3.75 AMA)	39
04/03/2020	U/S Guided Nerve Blocks for Emergency Med. <i>Also Available as Live Webinar</i>	Andreas Dewitz Charlotte Derr	8.25 AMA, 8.25 ACEP (WEBINAR 5.0 AMA)	38
04/03/2020	Ultrasound Guided Regional Anesthesia	To Be Determined	8.0 AMA, 7.25 AANA	39
04/20 - 04/24/2020	Introduction to Adult Echocardiography	Steven Walling Daniel Bourque Diane Debich-Spicer Christie Jordan	35.25 AMA, 35.25 MOC, 35.25 ACEP	10
04/30 - 05/01/2020	Vascular Ultrasound Registry Review <i>Also Available as Live Webinar</i>	Marsha Neumyer	14.75 AMA (WEBINAR 14.75 AMA)	53
MAY				
05/04 - 05/05/2020	Blended Introduction to MSK Ultrasound	Craig Chappell Shane Shapiro Ralf Thiele Jon Jacobson Paul Lento Tim Mazzola	16.5 Online AMA + 12.0 Scan Lab AMA	19
JUNE				
06/04/2020	Blended Introduction to Critical Care Ultrasound	Charlotte Derr Bret Nelson Jim Mateer Andreas Dewitz Dennis Atherton	15.25 Online AMA + 6.0 Scan Lab AMA & ACEP	40
06/04/2020	Blended Ultrasound Guided Vascular Access	Andreas Dewitz	4.25 Online AMA + 6.0 Scan Lab AMA & ACEP	40
06/05/2020	Blended Trauma & Acute Care Sonography	Charlotte Derr James Mateer	8.50 Online AMA + 6.0 Scan Lab AMA & ACEP	40
06/05/2020	Blended Advanced Emergency Medicine & Critical Care Ultrasound	Charlotte Derr James Mateer	19.00 Online AMA + 6.0 Scan Lab AMA & ACEP	40
06/05/2020	Blended Ultrasound Guided Nerve Blocks in Emergency Medicine	Charlotte Derr	4.00 Online AMA / 6.0 Scan Lab AMA & ACEP	40
06/04 - 06/05/2020	Blended Introduction to Emergency Medicine Ultrasound	Charlotte Derr Bret Nelson Jim Mateer	16.00 Online AMA / 12.0 Scan Lab AMA & ACEP	40
06/04 - 06/05/2020	Blended Ultrasound Guided Vascular Access & Nerve Blocks in Emergency Medicine U/S	Charlotte Derr Andreas Dewitz	8.25 AMA Online / 12.0 Scan Lab AMA	40

2020 PROGRAM SCHEDULE

DATE(S)	COURSES	EXPERT FACULTY	CREDITS	PAGE
JUNE				
06/15/2020	Blended Introduction to Carotid Duplex/Color Flow Ultrasound	Phillip J. Bendick	10.50 AMA Online / 6.0 Scan Lab AMA	25
06/16/2020	Blended Introduction to Peripheral Vascular Duplex/Color Flow Ultrasound	Phillip J. Bendick Rob Daigle	13.50 AMA Online / 6.0 Scan Lab AMA	27
06/16/2020	Blended Introduction to Transcranial Doppler Ultrasound	Donnalee Davis	9.00 AMA Online / 6.0 Scan Lab AMA	28
06/15 - 06/16/2020	Blended Introduction to Adult Echocardiography	Richard Palma Christie Jordan Dan Bourque	19.50 AMA Online / 12.0 Scan Lab AMA	11
JULY				
07/13 - 07/14/2020	Abdominal Ultrasound Registry Review <i>Also Available as Live Webinar</i>	Emily Downs	13.50 AMA, 13.50 MOC (WEBINAR 13.5 AMA)	54
07/16 - 07/17/2020	OB/GYN Ultrasound Registry Review	Sal Larusso Jane Burns	14.50 AMA	57
AUGUST				
08/03/2020	Ultrasound Guided Vascular Access <i>Also Available as Live Webinar</i>	Charlorre Derr Andreas Dewitz	7.25 AMA, 7.25 ACEP, 7.25 MOC, 6.75 AANA (WEBINAR 3.75 AMA)	38
08/24 - 08/26/2020	Introduction to Musculoskeletal Ultrasound	All MSK Ultrasound Faculty	19.50 AMA, 19.50 MOC	16
08/24 - 08/26/2020	Introduction to Musculoskeletal Ultrasound with Human Cadaver Lab	All MSK Ultrasound Faculty	23.50 AMA, 23.50 MOC	16
08/27 - 08/28/2020	Advanced & Interventional MSK Ultrasound	All MSK Ultrasound Faculty	15.00 AMA, 15.00 MOC	17
08/27 - 08/28/2020	Regenerative Medicine MSK Ultrasound	All MSK Ultrasound Faculty	16.00 AMA, 16.00 MOC	18
SEPTEMBER				
09/14 - 09/16/2020	Introduction to Emergency Medicine Ultrasound	James Mateer Alexander Levitov	25.50 AMA, 25.50 MOC 25.50 ACEP	34
09/15 - 09/16/2020	Introduction to Critical Care Ultrasound	James Mateer Alexander Levitov David Bahner	17.00 AMA, 17.00 MOC 17.00 ACEP	35
09/17 - 09/18/2020	Advanced Emergency Medicine & Critical Care Ultrasound	Charlotte Derr James Mateer Alexander Levitov Dan Bourque	16.50 AMA, 16.50 MOC 16.50 ACEP	36
OCTOBER				
10/12 - 10/13/2020	Introduction to Carotid Duplex/Color Flow Ultrasound	Phillip J. Bendick	15.00 AMA, 15.00 MOC	24
10/14 - 10/15/2020	Introduction to Peripheral Vascular Duplex/Color Flow Ultrasound	Phill J. Bendick Rob Daigle	15.00 AMA, 15.00 ACEP	26
10/19 - 10/20/2020	Musculoskeletal Ultrasound Registry Review	Jon Jacobson Imran Siddiqui	13.75 AMA, 13.75 MOC	55
10/21/2020	Physics Ultrasound / SPI Registry Review	Bryan Dodd	7.50 AMA 7.50 MOC	52
NOVEMBER				
11/09 - 11/11/2020	Introduction to Abdominal & Primary Care Ultrasound	Sal Larusso Charlotte Derr	23.50 AMA, 23.50 ACEP, 23.50 MOC	46
11/12 - 11/13/2020	Introduction to OB/GYN Ultrasound	Sal Larusso Jane Burns Ahmed Al-Malt	15.00 AMA, 15.00 ACEP, 16.00 ASRT	47
11/19 - 11/20/2020	Blended Point-of-Care Ultrasound (Multiple Course Specialties Offered)	All Emergency/Critical Care Faculty	Credits Vary Per Course Chosen	40
DECEMBER				
12/07 - 12/11/2020	Introduction to Adult Echocardiography	Steven Walling Daniel Bourque Diane Debich-Spicer	35.25 AMA, 35.25 ACEP 35.25 MOC	10

* Registration costs are deeply discounted if payment is made 30 days prior to course begin meeting date. See "Advanced Rates" section under "Terms and Fine Print" on page 63.

Our Mission

CONFIDENCE...

Diagnostic ultrasound is a technology driven, dynamically changing profession that requires continuous learning. With over 34 years of experience and an accredited leader in ultrasound education, you can trust **Gulfcoast Ultrasound Institute** to provide the knowledge, skills training, resources, and confidence needed to take your individual career, medical practice, or ultrasound department services to the next level.

COMPETENCE...

Using innovative teaching methodologies, **Gulfcoast Ultrasound Institute** is able to address the education needs for all levels of experience to be proficient to perform and/or interpret diagnostic ultrasound examinations for all specialty practices. All faculty are leading experts in the ultrasound profession who are actively involved with multiple professional societies, have authored numerous books and other publications, and many have contributed to the development of ultrasound practice guidelines.

The instructors' expertise, combined with our unique educational formats and the industry's lowest participant to instructor hands-on ratio enables you to have the competence to immediately integrate skills learned into your clinical practice.

PROVEN RESULTS...

Gulfcoast Ultrasound Institute has a comprehensive evaluation process that consistently reveals:

- 99.8% satisfaction rating for meeting or exceeding over-all educational objectives.
- Over 97% of our participants have indicated the skills learned improved their ability to diagnose/treat patients, enhanced their ability to provide additional diagnostic services, and provided improved confidence and competence to immediately integrate the skills learned into clinical practice.
- Over 98% of those using our ultrasound registry preparation resources passed their exam the first time.

Maximize the return on your investment and experience the **difference** in ultrasound education with **Gulfcoast Ultrasound Institute**!

Dear Colleague,

Over the past 34 years of teaching medical professionals, we have learned that it takes more than one or two individuals to build a successful and respected educational program. We have been very fortunate in being able to attract and utilize the skills, experience and knowledge of hundreds of internationally-respected experts to help present the state-of-the-art programs for which we at **Gulfcoast Ultrasound Institute** are known for. Our efforts in 2019 will continue to address the core ultrasound applications, along with point of care, registry preparation, and advanced level educational needs. More programs have been added to include regenerative medicine, ultrasound-guided anesthesia, and specialty specific scan only workshops. We recognize the challenges involved with maintaining proficiency and learning new skills to effectively work in this dynamic profession. As such, we have the ability to offer multiple education options to reach your goals in a timely and cost effective manner. These alternatives include a full line of self-directed education products such as comprehensive online interactive courses, DVDs, workbooks, and complete registry preparation packages. For those with time and/or cost constraints, combining an online course or DVD package with a scan only workshop provides the perfect blended education experience.

Another area of focus is our custom onsite education. With over 34 years of experience, we know what it takes to deliver high-quality programs from both educational and logistical standpoints. Programs can be offered at your facility, or if you prefer, at our state-of-the-art 8,000 sq. ft campus.

Additionally, we have a mobile friendly website to allow users to easily enroll in programs, and complete CME products with any device. We will also continue with the HELP Program, which offers discounted teaching materials to medical schools and colleges, as well as our GSA Advantage Contract that offers federal employee tuition support to those employed by the US Government, and GoArmyEd for civilian contractors.

From introductory level cross-training, to advanced techniques, registry preparation, and lab accreditation requirements, you can trust **Gulfcoast Ultrasound Institute** to continue to provide the highest quality education in 2019 and beyond. We hope to see you expand your ultrasound skills with **Gulfcoast Ultrasound Institute** very soon.

Sincerely,

Lori Green

Lori Green, President / Program Director



ADULT ECHOCARDIOGRAPHY CME



“MY UNDERSTANDING OF ECHO AND THE MODES FOR INFO GATHERING WAS GREATLY EXCEEDED. THE STAFF MADE A FRIENDLY ENVIRONMENT THAT WAS OPEN TO QUESTIONS.”

BRAD GALLEGOS, BA, RT

- ▶ INTRO TOPICS
- ▶ ADVANCED TOPICS
- ▶ HANDS-ON COURSES
- ▶ BLENDED COURSES
- ▶ DVDs
- ▶ ONLINE VIDEOS
- ▶ ONLINE COURSES
- ▶ REGISTRY REVIEW
- ▶ TEXTBOOKS

“I REALLY ENJOYED MY TIME AT THE COURSE. VERY INSTRUCTIVE AND HELPFUL STAFF. I HOPE TO RETURN FOR MORE COURSES. THANKS.”

JOHN MCIVOR, M.D.

“VERY INFORMATIVE WITH FANTASTIC INSTRUCTORS. I WOULD HIGHLY RECOMMEND YOUR COURSES TO FUTURE TECHNICIANS AND PHYSICIANS ALIKE. VERY PLEASED.”

KELLY D. LEWIS, BA, RRT, RCS

ECHOCARDIOGRAPHY

LIVE ECHOCARDIOGRAPHY COURSE (LIVE LECTURES + HANDS-ON)

INTRODUCTION TO ADULT ECHOCARDIOGRAPHY

April 20-24, 2020 ECD-201
December 7-11, 2020 ECD-202

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform and/or interpret Echocardiography examinations.
2. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images (Sonographer) and recognize potential imaging errors (Physician).
3. Demonstrate routine scan protocols to evaluate an adult patient using 2D/M-Mode/Color Flow and Doppler echocardiographic techniques.
4. Perform standard 2D, M-Mode and Doppler measurements.
5. Identify normal/abnormal characteristics of 2D Cardiac anatomy.
6. State the role of cardiac Doppler and list the necessary qualitative/quantitative measurements.
7. Identify the ultrasound findings associated with valvular heart disease, cardiomyopathies, ischemic heart disease, pericardial disease and cardiac masses.
8. List the latest imaging techniques in quantification of right and left ventricular wall motion. Document findings and apply standardized guidelines during compilation of an Echocardiography worksheet (Sonographer) and dictated report (Physician).
9. List the steps necessary for system optimization during contrast echo imaging.
10. Increase confidence to incorporate protocols, techniques and interpretation criteria to improve diagnostic / treatment accuracy.

COURSE FEATURES & TOPICS:

- ◆ Imaging & Doppler Fundamentals
- ◆ Anatomy of the Heart and the EKG
- ◆ 2D Evaluation of Cardiac Anatomy
- ◆ 2D Measurements & Normal Values
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Color, Pulsed & Continuous Wave Doppler
- ◆ Mitral & Aortic Valves
- ◆ Cardiomyopathies
- ◆ Doppler Evaluation of MVD/AVD
- ◆ 270+ Cases Covered
- ◆ Right Heart & Coronary Disease
- ◆ Diastolic Function/Contrast Echo
- ◆ Pericardial Disease & Cardiac Masses
- ◆ 3:1 Hands-On Scanning Ratio and Interpretation Workshops on Live Models
- ◆ Human Heart Cadaver Lab

WHO SHOULD ATTEND: (St. Petersburg, Florida)

Physicians, sonographers, and other medical professionals learning how to perform and/or interpret echocardiography examinations and prefer live presentations with hands-on scanning. See page 11 for Blended Education (Online + Hands-On Scanning) Option.

CME CREDITS & TUITION:

AMA CAT. I	35.25	ABIM MOC	35.25	This course meets CME/CEU requirements for ARDMS, CCI, APCA and ABIM MOC. This Course includes a free pre-course online video: Imaging Fundamentals: The Basics approved for 1.25 AMA PRA Category 1 Credits™.
ACEP	35.25			
ADVANCED REGISTRATION	\$2770	REGULAR REGISTRATION	\$2970	

FACULTY:



STEVEN WALLING, BS, RDMS, RCS, FASE
Lead Echocardiographer
Saint Francis Care,
Hartford, CT



DANIEL BOURQUE, MS, RCS, FASE
Orlando Regional Medical Ctr.
Orlando, FL



DIANE DEBICH-SPICER, PA (ASCP)
UF Dept. of Pediatric Cardiology
Pathologist's Assistant
Research Assistant
Gainesville, FL



LORI GREEN, BA, RT(R), RDMS, RDGS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL



CHRISTIE HILL JORDAN, BS, RDMS, RCS, RCIS, FASE
Cardiovascular Technology Program Director,
Florida State College at Jacksonville,
Jacksonville, FL. (April Course Only)

BLENDING ECHOCARDIOGRAPHY COURSE (ONLINE COURSE + HANDS-ON)

BLENDING INTRODUCTION TO ADULT ECHOCARDIOGRAPHY June 15-16, 2020 BECDSO-201

ONLINE COURSE OBJECTIVES:

Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform and/or interpret Echocardiography examinations.
2. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images (Sonographer) and recognize potential imaging errors (Physician).
3. Demonstrate routine scan protocols to evaluate an adult patient using 2D/M-Mode/Color Flow and Doppler echocardiographic techniques.
4. Perform standard 2D, M-Mode and Doppler measurements.
5. Identify normal/abnormal characteristics of 2D Cardiac anatomy.
6. State the role of cardiac Doppler and list the necessary qualitative/quantitative measurements.
7. Identify the ultrasound findings associated with valvular heart disease, cardiomyopathies, ischemic heart disease, pericardial disease and cardiac masses.
8. Increase confidence to incorporate protocols, techniques and interpretation criteria to improve diagnostic / treatment accuracy.
9. List the steps necessary for system optimization during contrast echo imaging.
10. List the latest imaging techniques in quantification of right and left ventricular wall motion. Document findings and apply standardized guidelines during compilation of an Echocardiography worksheet (Sonographer) and dictated report (Physician).

ONLINE COURSE INCLUDES: (15 Months Unlimited Access.)

- ◆ Ultrasound Imaging Fundamentals: The Basics
- ◆ Mitral & Aortic Heart Disease
- ◆ Cardiomyopathies & Diastolic Function
- ◆ Intro to 2D/M-Mode Adult Echocardiography
- ◆ Stress Echocardiography
- ◆ Coronary Artery Disease
- ◆ Introduction to Cardiac Doppler
- ◆ Right Heart Disease
- ◆ Contrast Echocardiography
- ◆ Cardiac Hemodynamics
- ◆ Pericardial Effusions & Cardiac Masses
- ◆ + Downloadable/Printable Handouts.

HANDS-ON WORKSHOP INCLUDES: (St. Petersburg, Florida)

- ◆ (2) Full Days Scanning Sessions (No Lectures)
- ◆ Log of Exams (if needed)
- ◆ Scan Multiple Live Models Each Day
- ◆ 3:1 Participant to Instructor Scanning Ratio
- ◆ Extensive Personal Attention
- ◆ Scanning Tips and Tricks from the Experts

WHO SHOULD ATTEND THIS FORMAT:

Physicians, Sonographers and other medical professionals learning how to perform and/or interpret adult echocardiography examinations who prefer a more self paced comprehensive online course option while still obtaining critical hands-on training.

CME CREDITS & TUITION:

AMA CATEGORY I ONLINE COURSE	19.50	AMA CATEGORY I SCAN WORKSHOP	12.00	This course meets CME/CEU requirements for ARDMS. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. There is a \$200 late fee if you register 14 days or less of the course start date.
ADVANCED REGISTRATION	\$2770	REGULAR REGISTRATION	\$2970	

FACULTY:



RICHARD PALMA, BS, RDMS, RCS, ACS, FASE, FSDMS
Director & Clinical Coordinator
Hoffman Heart Institute
School of Cardiac Ultrasound
St. Francis Hospital & Medical Ctr.
Hartford, CT



DANIEL BOURQUE, MS, RCS, FASE
Orlando Regional Medical Ctr.
Orlando, FL



LORI GREEN, BA, RT(R), RDMS, RDOS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL



CHRISTIE HILL JORDAN, BS, RDMS, RCS, RDOS, FASE
Cardiovascular Technology Program Director
Florida State College at Jacksonville
Jacksonville, FL

ECHOCARDIOGRAPHY ULTRASOUND PRODUCTS

INTRO TO ECHO ULTRASOUND | DVD COURSE PACK \$1,241

Optional: 20.75 AMA PRA
Category 1 Credits™

CP-ECD

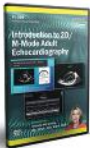


CARDIAC ULTRASOUND PROTOCOL MANUAL WITH ONLINE VIDEO DEMO

THERESA JORGENSEN, RDMS, RDGS, RVT
INCLUDING 2D, M-MODE & DOPPLER ECHO | \$69.95 | ADD \$25.00 FOR CME QUIZ
PM-CAR2 BOOKLET+ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-934864-67-8

TOPICS:

- Clinical Indications
- Patient Assessment
- 8 Cardiac Views
- Coding & Reimbursement
- Examination Procedures



INTRODUCTION TO 2D/M-MODE ADULT ECHOCARDIOGRAPHY **NEW** (97 mins.)

CHRISTIE HILL JORDAN, BS, RDGS, RCS, RCIS | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-2DE DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-98-8

TOPICS:

- Indications & Sound Fundamentals
- Cardiac Anatomy / Electro-Physiology & Ergonomics
- 2D Views/Anatomy & Measurements
- M-Mode Characteristics & Scan Demonstrations

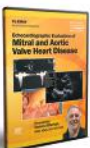


INTRODUCTION TO CARDIAC DOPPLER/COLOR FLOW IMAGING (87 mins.)

DANIEL BOURQUE, MS, RCS, FASE | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-CDU2 DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-70-4

TOPICS:

- Indications for Cardiac Doppler
- CW Verses PW Doppler
- Basic Spectral Doppler Concepts
- Doppler Artifacts
- The Doppler Principle/Doppler Shift
- Spectral Doppler Sample Sites
- Impact of Doppler Angle
- Color Flow Imaging Fundamentals
- The Bernoulli Equation



ECHO EVALUATION OF MITRAL & AORTIC VALVE HEART DISEASE (115 mins.)

DENNIS ATHERTON, RDGS, RCT, RRT, ACS, FASE | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-EMAV DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-38-7

TOPICS:

- Mitral Valve Anatomy
- Mitral Stenosis
- Aortic Stenosis, Aortic Dissection
- MV Disease Classification
- Case Studies
- Aortic Regurgitation
- Mitral Valve Prolapse
- Aortic Disease



DOPPLER EVALUATION OF MITRAL & AORTIC VALVE HEART DISEASE **NEW** (130 mins.)

RICHARD PALMA, BS, RDGS, RCS, ACS, FASE, FSDMS | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-DMAV2 DVD/ONLINE 2.50 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-30-9

TOPICS:

- Mitral Stenosis / MV Direct Planimetry
- Grading Mitral Regurgitation
- MV Doppler Case Studies & Doppler Evaluation of Aortic Disease
- Aortic Outflow: LVOT Evaluation
- AV Direct Planimetry
- Aortic Doppler Case Studies



ECHOCARDIOGRAPHIC EVALUATION OF RIGHT HEART DISEASE (40 mins.)

DENNIS ATHERTON, RDGS, RCT, RRT, ACS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-ERHD DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-40-0

TOPICS:

- RV Assessment
- Right Systolic Function
- RV Diastolic Function
- Right Atrium
- Tricuspid Valve Disease
- Hepatic Vein Evaluation
- Pulmonary Valve Disease

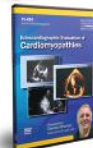


ECHO EVALUATION OF PERICARDIAL EFFUSIONS & CARDIAC MASSES (27 mins.)

DENNIS ATHERTON, RDGS, RCT, RRT, ACS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PECM DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-45-5

SELECT TOPICS:

- Etiology of Pericardial Effusion
- Echo Traits of Pericardial Effusion
- Pericardial Effusion Clinical Presentation
- Pleural vs/ Pericardial Fluid
- Size & Type of Pericardial Effusion
- Primary/Secondary Intracardiac Tumors

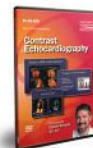


ECHOCARDIOGRAPHIC EVALUATION OF CARDIOMYOPATHIES (54 mins.)

DENNIS ATHERTON, RDGS, RCT, RRT, ACS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-ECC DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-42-4

TOPICS:

- Hypertrophic Cardiomyopathy
- Tako Tsubo
- Restrictive / Infiltrative Cardiomyopathy
- Apical Balloon Syndrome
- Dilated Cardiomyopathy
- LV Non-Compaction
- Arrhythmogenic RV Cardiomyopathy
- Clinical Case Studies



CONTRAST ECHOCARDIOGRAPHY (76 mins.)

DANIEL BOURQUE, MS, RCS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-51-CEC DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-934864-77-7

TOPICS:

- Types of Contrast Agents
- Contraindications
- Machine Optimization
- Stress Echo with Contrast
- Doppler Enhancement



CARDIAC HEMODYNAMICS (56 mins.)

RICHARD PALMA, BS, RDGS, RCS, ACS, FASE, FSDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-IF3 DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-934864-76-0

TOPICS:

- Value of Hemodynamics
- Calculating Pressures within the Heart
- Case Studies



ULTRASOUND IMAGING FUNDAMENTALS: THE BASICS (65 mins.)

LORI GREEN, BA, RT, RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-IF3 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-47-6

TOPICS:

- Sound Generation & Basic Principles
- System Controls & Image Quality
- Transducers
- Imaging Artifacts



ECHOCARDIOGRAPHIC EVALUATION OF DIASTOLIC FUNCTION (43 mins.)

DENNIS ATHERTON, RDGS, RCT, RRT, ACS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-EEDF DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-43-1

TOPICS:

- Diastology
- Diastology & LV Inflow
- Grading Diastolic Function; Stages & Classification
- Case Studies



ECHOCARDIOGRAPHIC EVALUATION OF CORONARY ARTERY DISEASE (56 mins.)

DENNIS ATHERTON, RDGS, RCT, RRT, ACS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-ECAD DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-41-7

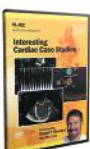
TOPICS:

- CAD & LV Function
- LV Assessment: Cavity Size / Thickness
- Prevalence of CAD
- Segmental Function / Contractility
- Perfusion Defects
- Myocardial Performance Index / Case Studies

CARDIAC CASE STUDIES | DVD COURSE PACK \$357

Optional: 5.25 AMA PRA
Category 1 Credits™

CP-CCS



INTERESTING CARDIAC CASE STUDIES (51 mins.)

DANIEL BOURQUE, MS, RCS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-ICC DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-49-3

TOPICS:

- Pericardial Tamponade
- PFO & Pulmonary Embolus
- Post Biventricular Defibrillator
- Large Sinus of Valsalva Aneurysm w/ Clot Formation
- Thrombus
- Large Secundum ASD



CARDIAC CASE STUDY SERIES: CARDIOMYOPATHIES (61 mins.)

DANIEL BOURQUE, MS, RCS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-COMY DVD 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-10-0

TOPICS:

- Etiology of Cardiomyopathies
- Dilated, Hypertrophic, Restrictive & ARVD Cardiomyopathies
- 6 Case Studies of Various Types of Cardiomyopathies

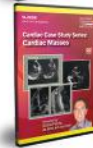


CHALLENGING ECHO CASE STUDIES **NEW** (53 mins.)

RICHARD PALMA, BS, RDGS, RCS, ACS, FASE, FSDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-CECS DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-64-3

TOPICS:

- Atrial Fibrillation
- Interventional Procedures
- Takotsubo-Mid Ventricular Type
- Pulmonary Embolus
- Congenital Disorders
- Myocardial Infarction Complications
- Thrombus vs/ Mass
- Coronary Artery Fistulas
- LV Pseudoaneurysm



CARDIAC CASE STUDY SERIES: CARDIAC MASSES (45 mins.)

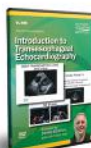
RICHARD PALMA, BS, RDGS, RCS, ACS, FASE, FSDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-COCM DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-48-6

TOPICS:

- Primary Benign Tumors
- Other Masses
- Non-Primary (Metastatic Tumors)
- Normal Variants and Mimickers

ECHOCARDIOGRAPHY ULTRASOUND PRODUCTS

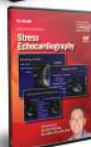
OTHER TOPICS IN ECHOCARDIOGRAPHY



INTRODUCTION TO TRANSESOPHAGEAL ECHOCARDIOGRAPHY (62 mins.)
DENNIS AHERTON, RDCS, RCT, RRT, ACS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-TEE DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ | ISBN # 978-1-940954-44-8

TOPICS:

- Indications & Contraindications for Performing TEE
- Standard TEE Image Orientation
- How to Acquire TEE Views & Identify Cardiac Anatomy



STRESS ECHOCARDIOGRAPHY (56 mins.)
RICHARD PALMA, BS, RDCS, RCS, ACS, FASE, FSDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-53-SE DVD 1.5 AMA PRA Category 1 Credits™ | ISBN # 978-1-940954-02-8

TOPICS:

- Stress Echo Compared to Nuclear Perfusion Imaging
- Exam Protocols / Diagnostic Criteria for Interpretation
- Normal and Abnormal Responses to Stress Echo



THE ATHLETE'S HEART AND SUDDEN CARDIAC DEATH (56 mins.)
RICHIE PALMA, BS, RDCS, RCS, ACS, FASE, FSDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-AHSD DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ | ISBN # 978-1-945749-06-3

TOPICS:

- The Athlete in Cardiovascular Medicine
- Exercise-Induced Cardiac Remodeling
- Health vs. Disease
- Sudden Cardiac Death in Young Athletes



ARRHYTHMIAS AND EKG: WHAT THE ECHOCARDIOGRAPHER NEEDS TO KNOW (41 mins.)
RICHIE PALMA, BS, RDCS, RCS, ACS, FASE, FSDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-AEKG DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ | ISBN # 978-1-945749-29-2

TOPICS:

- Importance of Understanding Arrhythmias and EKG for Echo Correlation
- EKG Timing and Voltage
- EKG Waveforms and Segments
- Identify Arrhythmias and EKG Abnormalities and Correlation with Echo
- Using EKG for Timing of Event with M-Mode



ULTRASOUND EVALUATION OF HEART FAILURE **NEW** (58 mins.)
DANIEL BOURQUE, MS, RCS, FASE | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-HF3 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ | ISBN # 978-1-950973-18-7

TOPICS:

- Classification of Heart Failure
- Common Causes and Types
- Measures of Diastolic Function
- Measures of Systolic Heart Failure
- Utilizing Stress Echo with Heart Failure
- Quantifications of Heart Disease
- Restrictive Cardiomyopathy
- Case Studies: Evaluation of Heart Failure



FOCUSED CARDIAC ULTRASOUND (57 mins.)
JAMES MATEER, MD, RDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-FCUS2 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ | ISBN # 978-1-945749-42-1

TOPICS:

- Focused Cardiac Ultrasound Indications
- Cardiac Sonographic Anatomy
- Standard Imaging Views
- Focused Cardiac Ultrasound Protocols
- Evaluation of LV Function
- Standard Cardiac Measurements
- Evaluation of Pericardial Effusion
- Volume Assessment
- Case Studies



3D ECHOCARDIOGRAPHY: A SIMPLIFIED APPROACH (53 mins.)
DAN BOURQUE, MS, RCS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-TDE2 DVD/ONLINE 1.50 AMA PRA Category 1 Credits™ | ISBN # 978-1-940954-95-0

TOPICS:

- Anatomy & Physiology of a Left Ventricular Volume
- Basic Interpretation of 3D Data
- Indications for 3D Volume Imaging
- Contra-Indications for 3D Volume Imaging
- Identifying Commonly seen Artifacts
- Live Demonstrations of 3D Volume Acquisitions

ECHOCARDIOGRAPHY ONLINE COURSES (12 MONTHS ACCESS)



INTRODUCTION TO ADULT ECHOCARDIOGRAPHY **NEW**
DANIEL BOURQUE, MS, RCS, FASE | RICHARD PALMA, BS, RDCS, RCS, ACS, FASE, FSDMS & CHRISTIE JORDAN, BS, RDCS, RCS, ACS, FASE, FSDMS | \$965.00
OC-ECED191 ONLINE COURSE 19.50 AMA PRA Category 1 Credits™

TOPICS:

- Ultrasound Imaging Fundamentals
- Intro. to 2D/M-Mode Adult Echo
- Intro. to Cardiac Doppler Ultrasound
- Stress Echocardiography
- Echo Eval. of Mitral & Aortic Heart Disease
- Doppler Eval. of Mitral & Aortic Heart Disease
- Echo Eval. of Pericardial Effusions & Cardiac Masses
- Echo Eval. of Cardiomyopathies
- Echo Eval. of Coronary Artery Disease
- Echo Eval. of Diastolic Function
- Contrast Echocardiography



FOCUSED ECHOCARDIOGRAPHY
JAMES MATEER, MD, RDMS | DANIEL BOURQUE, MS, BS, RCS, FASE | CHRISTIE JORDAN, BS, RDCS, RCS, ACS, FASE, FSDMS | \$750.00
OC-FCED171 ONLINE COURSE 17.00 AMA PRA Category 1 Credits™

TOPICS:

- Imaging Fundamentals of Echo
- Anatomy of the Heart & EKG
- 2D Eval. of Cardiac Anatomy - Part 1
- 2D Eval. of Cardiac Anatomy - Part 2
- M-Mode & 2D Measurements/Normal Values
- Intro to Cardiac Doppler U/S - Part 1
- Intro to Cardiac Doppler U/S - Part 2
- 2-D Color & Doppler Echo Protocol
- Live Demo 2D & Color Flow Doppler
- Pericardial Disease
- Cardiomyopathies & Heart Failure
- Coronary Artery Disease
- Shock & Hypotension
- Case Studies

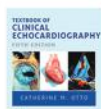
ECHOCARDIOGRAPHY BOOKS + ECHO UPDATE



THE ECHOCARDIOGRAPHIC POCKET REFERENCE 4TH ED. (444 pgs.)
TERRY REYNOLDS, BS, RDCS | \$87.95 (NON-REFUNDABLE)
EPR4 SPIRAL BOUND BOOK ISBN # 978-0-615-76835-9
The fourth edition provides the newest American Society of Echocardiography recommendations for valvular stenosis, left ventricular diastolic function, right heart chamber systolic and diastolic evaluation and quantification, prosthetic heart valves, transcatheter interventions, three-dimensional echo, contrast echocardiography and cardiac mechanics. The how-to section has been updated to reflect the new recommendations.



FOCUSED ECHO EXAM POCKET REFERENCE (15 pgs.)
THERESA JORGENSEN, RDMS, RDCS, RVT | \$14.95
PR-FEE SPIRAL BOUND BOOKLET
The Focused Echo Exam Pocket Reference review critical ultrasound anatomy, normal values, transducer positioning hints and common abnormal findings in a compact, simple, easy to use, pocket reference guide that fits in your lab coat or scrub pocket.



TEXTBOOK OF CLINICAL ECHOCARDIOGRAPHY 5TH ED. (576 pgs.)
CATHERINE OTTO, MD | \$179.00
TCH5 HARDCOVER BOOK ISBN # 978-1-4557-2857-2
Textbook of Clinical Echocardiography, 5th Edition enables you to use echocardiography to its fullest potential in your initial diagnosis, decision making, and clinical management of patients with a wide range of heart diseases. World-renowned cardiologist, Dr. Catherine M. Otto helps you master what you need to know.



ECHO UPDATE: ASE CHAMBER QUANTIFICATION GUIDELINES (76 mins.)
DANIEL BOURQUE, MS, BS, RCS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
OV-ASEG ONLINE VIDEO 1.50 AMA PRA Category 1 Credits™

TOPICS:

- LV Measurements
- Measurements of the Aorta
- Severity Classifications
- Inclusion of 3D and Strain Techniques
- Indexing of Measurements

CME VITALS



DOPPLER EVALUATION OF AORTIC STENOSIS
CHRISTIE JORDAN, BS, RDCS, RCS, ACS, FASE, FSDMS | \$25.00
VIT-DAS CME VITAL 1.0 AMA PRA Category 1 Credits™



ECHOCARDIOGRAPHIC EVALUATION OF DILATED CARDIOMYOPATHY
CHRISTIE JORDAN, BS, RDCS, RCS, ACS, FASE, FSDMS | \$25.00
VIT-DC CME VITAL 1.0 AMA PRA Category 1 Credits™



FOCUSED 2D CARDIAC VIEWS
LORI GREEN, BA, RT, RDMS, RDCS, RVT | \$25.00
VIT-F2DCV CME VITAL 2.0 AMA PRA Category 1 Credits™



ULTRASOUND EVALUATION OF AORTIC DISSECTION
LORI GREEN, BA, RT, RDMS, RDCS, RVT | \$25.00
VIT-AD CME VITAL 1.0 AMA PRA Category 1 Credits™

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JESUS SANTIAGO HUERTA, M.D.

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DENNIS SOLLUM, M.D.

“EXCELLENT COURSE. ALL THE FACULTY WERE VERY KNOWLEDGEABLE AND VERY RECEPTIVE TO QUESTIONS AND SHOWED GREAT SKILL IN ANSWERING THEM.”

CHANDUPATTA PRABHAKAN, M.D.

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(LIVE LECTURES + HANDS-ON)
WITH OPTIONAL HUMAN CADAVER LAB

INTRODUCTION TO MSK ULTRASOUND

January 27-29, 2020
August 24-26, 2020

M-201
M-202

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase knowledge to better perform and/or interpret MSK ultrasound examinations.
2. List Indications, benefits, & limitations of MSK ultrasound for sports medicine injuries, physical medicine & rehabilitation, and rheumatology applications.
3. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images.
4. Demonstrate scanning protocols for performing shoulder, elbow, wrist/hand, knee, ankle/foot & hip ultrasound examinations.
5. Identify normal anatomy during musculoskeletal ultrasound imaging.
6. Identify the sonographic appearance of commonly seen pathology of the shoulder, knee, elbow, wrist/hand, ankle and foot.
7. Demonstrate the use of MSK sonography for diagnosis and ultrasound-guided interventions and describe "in-plane" and "out of plane" injection/aspiration techniques using inanimate phantoms.
8. Increase confidence to incorporate protocols, techniques & interpretation criteria to improve diagnostic/treatment accuracy.

COURSE FEATURES & TOPICS:

- ◆ Ultrasound Imaging Fundamentals
- ◆ Shoulder Anatomy & Scanning Techniques
- ◆ Ultrasound Evaluation of the Elbow & Pathology
- ◆ Ultrasound-Guided Injection Techniques
- ◆ Wrist & Hand Anatomy, Scan Techniques
- ◆ Ultrasound Evaluation of the Knee & Pathology
- ◆ Daily Hands-On Scanning With Live Models
- ◆ Industry Leading Hands-On 3:1 Scan Ratio
- ◆ Ultrasound Evaluation of the Ankle & Foot
- ◆ Ultrasound Evaluation of the Hip & Pathology
- ◆ ****Optional**** Interventional Human Cadaver Lab
- ◆ Digital Course Syllabus with Lifetime Access

WHO SHOULD ATTEND:

Any physician, sonographer or other medical professional who is involved in diagnostic MSK ultrasound exams and injection techniques. Participants may include (*but are not limited to*) medical professionals working in PM&R, Physical Therapy, Chiropractics, Military, Rheumatology, Sports Medicine, Podiatry, Athletic Training, Orthopedics, Emergency Medicine, Radiology, Internal Medicine, and Family Practice. PAs & Physical Therapists are also encouraged to attend.

CME CREDITS & TUITION:

AMA CAT. I	19.50	This course meets CME/CEU requirements for ARDMS, APCA and ABIM. 23.50 AMA PRA Category 1 Credits™ & 23.50 ABIM MOC Points with Optional Human Cadaver Lab. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if register 14 days or less of course start date.					
ABIM MOC	19.50						
ADVANCED REGISTRATION	\$2395	REGULAR REGISTRATION	\$2595	ADV. REG. + CADAVER LAB	\$3890	REGULAR REG. + CADAVER LAB	\$4090

FACULTY



JON JACOBSON, M.D., RMSK
Professor of Radiology Director
Division of MSK Radiology
U. of Michigan Medical Center
Ann Arbor, MI



ROBERT MONACO, M.D., RMSK
Family Medicine / Sports Medicine
Morristown Medical Center
Morristown, NJ



CRAIG CHAPPELL, D.O., CAQSM, RMSK
Regenerative Medicine Specialist
In2it Medical
Orem, UT



PAUL LENTO, M.D., RMSK
Physical Medicine
Rehabilitation & Sports Medicine
Sarasota Orthopedic Associates
Sarasota, FL



SHANE SHAPIRO, M.D., RMSK
Sports & Orthopedic Medicine
Mayo Medical School
Assistant Professor
Jacksonville, FL



RALF THIELE, M.D.
Associate Professor of Med.
University of Rochester
Rochester, NY

LIVE MUSCULOSKELETAL COURSE (LIVE LECTURES + HANDS-ON) WITH HUMAN CADAVER LAB INCLUDED

ADVANCED & INTERVENTIONAL MSK ULTRASOUND

January 30-31, 2020
August 27-28, 2020

MA-201
MA-202

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform and/or interpret MSK ultrasound exams.
2. Outline the biology and evidence for use of various regenerative substances.
3. State when, why, and how to integrate regenerative medicine as a practical treatment option.
4. Interpret complex musculoskeletal ultrasound images and list treatment options and patient management strategies.
5. List protocols for ultrasound evaluation and treatment options of the spine.
6. Outline new ultrasound-guided procedures for ligament and tendon injuries.
7. State the role of ultrasound in nerve entrapment syndromes.
8. Demonstrate the principles of injection techniques for the performance of upper and lower extremity MSK interventions on cadaver models.
9. Increase confidence to incorporate protocols, scan techniques, and interpretation criteria to improve diagnostic/treatment accuracy.

COURSE FEATURES & TOPICS:

- ◆ Tendinopathy & Ultrasound Guided Tenotomy
- ◆ Carpal Tunnel Release, A1 Pulley Release, Hydrodissection & More
- ◆ Ultrasound Guided Procedures in Rehabilitative Medicine
- ◆ Prolotherapy: Principles & Applications
- ◆ Spine Ultrasound: SI Joints & Facets
- ◆ Advanced Peripheral Nerve Applications
- ◆ Advanced Foot & Ankle Ultrasound
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Advanced MSK Ultrasound Case Studies
- ◆ Advanced Human Cadaver Lab Included
- ◆ Hands-On Scanning with Live Models
- ◆ Interactive Challenging Case Studies

WHO SHOULD ATTEND:

Physicians, Chiropractors, NP's, PA's, Sonographers, Physical Therapists, Athletic Trainers and other medical professionals specializing in: Sports Medicine, Orthopedics, Rheumatology, PM&R, Pain Management, Emergency Medicine, Regenerative Medicine, and other MSK related fields. (GCUS recommends a minimum of 3 months prior MSK scanning experience, or attendance of our Introduction to MSK Ultrasound Course prior to attending the Advanced Course.)

CME CREDITS & TUITION:

AMA CAT. I	15.00	This course meets CME/CEU requirements for ARDMS, APCA and ABIM MOC. Combine & Save with the Intro. to MSK Ultrasound Course offering 34.50 ABIM MOC & AMA PRA Category 1 Credits™. Combine & Save with the Intro to MSK Ultrasound Course with Cadaver Workshop that offers 38.50 ABIM MOC & AMA PRA Category 1 Credits™.					
ABIM MOC	15.00						
ADVANCED REGISTRATION	\$2885	REGULAR REGISTRATION	\$3085	ADVANCED REG. INTRO. & ADV. MSK	\$4920	REGULAR REG. INTRO. & ADV. MSK	\$5120
ADVANCED REG. INTRO. & ADV. MSK + CADAVER LAB	\$5895	REGULAR REG. INTRO. & ADV. MSK + CADAVER LAB	\$6095				

FACULTY:



DAVID WANG, D.O.
Director, Training & Education
PMR Center
Washington, DC



JON JACOBSON, M.D., RMSK
Professor of Radiology Director
Division of MSK Radiology
U. of Michigan Medical Center
Ann Arbor, MI



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Physicians
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Cornerstone Orthopedics & Sports
Medicine
Denver, CO



CRAIG CHAPPELL, D.O., CAQSM, RMSK
Regenerative Medicine Spec.
In2it Medical
Orem, UT



BRIAN SHIPLE, D.O., CAQSM, RMSK
Metro Orthopedics and Sports
Medicine
Philadelphia, PA

“THE ADVANCED MSK
ULTRASOUND COURSE IS A
MUST ATTEND FOR ANYONE
WHO IS SERIOUS ABOUT
INTERVENTIONAL MSK
ULTRASOUND.”

JOHN MAHONEY, MD

LIVE MUSCULOSKELETAL COURSE

(LIVE LECTURES + HANDS-ON + LIVE DEMOS)
+ HUMAN CADAVER LAB INCLUDED)

REGENERATIVE MEDICINE MUSCULOSKELETAL ULTRASOUND

January 30-31, 2020
August 27-28, 2020

RM-201
RM-202

COURSE DESCRIPTION:

This intermediate to advanced level MSK ultrasound program is designed to expand and update skills to integrate ultrasound-guided regenerative medicine techniques into clinical practice. Taught by world-renowned ultrasound experts, the program offers evidence based lectures on a variety of regenerative techniques, combined with extensive hands-on scanning sessions featuring live models and guided injections of human cadaveric specimens. Participants will prepare regenerative injectables and practice ultrasound-guided injections for target areas. Live regenerative procedure demonstrations on live patients will also be performed during this program. (Only offered at GCUS)

COURSE OBJECTIVES:

Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform and/or interpret MSK ultrasound exams.
2. Interpret complex MSK ultrasound images and list treatment options and patient management strategies.
3. Outline the biology and evidence for use of various regenerative substances.
4. State when, why, and how to integrate regenerative medicine as a practical treatment option.
5. Prepare regenerative substances for performing ultrasound-guided procedures.
6. Outline post procedural protocols for regenerative procedures.
7. Demonstrate the principals of injection techniques for the performance of upper and lower extremity MSK interventions on cadaver models.
8. State the role of U/S in nerve entrapment syndromes.
9. Increase confidence incorporating protocols, adv. scan techniques, and regenerative medicine applications to improve diagnostic/treatment accuracy.

COURSE FEATURES & TOPICS:

- ◆ Advanced MSK U/S-Guided Procedures
- ◆ Regenerative Medicine Applications
- ◆ Adv. Regenerative Medicine Case Presentations
- ◆ Prolotherapy: Principles / Practical Applications
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ PRP Procedure Demonstrations on Live Patients
- ◆ PRP: Principles/Practical Applications
- ◆ Ultrasound-Guided MSK Interventions
- ◆ 3:1 Hands-On Scanning Ratio with Live Models
- ◆ Bone Marrow & Lipoaspirate: Principles & Practical Applications
- ◆ Preparing for Regenerative Substance
- ◆ Coding & Billing
- ◆ Advanced Peripheral Nerve Applications
- ◆ Practice Procedures on Human Cadavers
- ◆ Regenerative Medicine Regulatory Guidelines

WHO SHOULD ATTEND:

Physicians, PA's, and clinicians experienced in diagnostic MSK ultrasound with a desire to integrate regenerative medicine techniques into clinical practice. Physician participants may include (but are not limited to) PM&R, Sports Medicine, Orthopedics, Radiology, Rheumatology, and Pain Management. This program is an intermediate to advanced level program that requires at least 6 months experience performing diagnostic MSK ultrasound exams or attendance of a recognized MSK hands-on ultrasound education program. Combine & Save with the Introduction to MSK Ultrasound Course to gain the experience, or need a refresher course.

CME CREDITS & TUITION:

AMA CAT. I	16.00	This course meets CME/CEU requirements for ARDMS, APCA, & ABIM.			
ABIM MOC	16.00	ADVANCED REGISTRATION	\$3565	REGULAR REGISTRATION	\$3765
AMA & MOC	35.50	ADVANCED REG. INTRO. & REGEN. MSK	\$5760	REGULAR REG. INTRO. & REGEN. MSK	\$5960
AMA & MOC	39.50	ADVANCED REG. INTRO. & REGEN. MSK + CADAVER LAB	\$6675	REGULAR REG. INTRO. & REGEN. MSK + CADAVER LAB	\$6875

FACULTY:



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Medicine
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Professor of Radiology Director
Division of MSK Radiology
U. of Michigan Medical Center
Ann Arbor, MI

BLENDED MUSCULOSKELETAL COURSE (ONLINE COURSE + HANDS-ON)

BLENDED INTRODUCTION TO MSK ULTRASOUND

May 4-5, 2020

BMSO-201

COURSE OBJECTIVES: Upon completion of the workshop, the participant should be able to:

1. Increase knowledge and skills to perform ultrasound examinations (specific exams based on specialty track selected).
2. Demonstrate appropriate scan techniques and protocols for performing ultrasound examinations.
3. Improve scanning skills and increase diagnostic confidence.
4. Perform scan examinations under supervised conditions to help fulfill credentialing and/or individual certification requirements.

ONLINE COURSE INCLUDES: *(15 Months Unlimited Access.)*

- ◆ Imaging Fundamentals & Tissue Characterization
- ◆ Ultrasound Evaluation of the Shoulder
- ◆ Ultrasound Evaluation of Shoulder Pathology
- ◆ Ultrasound Evaluation of the Normal Elbow
- ◆ Ultrasound Evaluation of Elbow Pathology
- ◆ Ultrasound Evaluation of the Hand & Wrist
- ◆ Ultrasound Evaluation of the Knee
- ◆ Ultrasound Evaluation of Knee Pathology
- ◆ Ultrasound Evaluation of the Foot & Ankle
- ◆ Ultrasound Evaluation of the Hip
- ◆ Ultrasound-Guided MSK Injection Techniques
- ◆ Downloadable / Printable Handouts

HANDS-ON WORKSHOP INCLUDES: *(St. Petersburg, Florida)*

- ◆ (2) Full Days Scanning Sessions (No Lectures)
- ◆ 3:1 Participant to Instructor Scanning Ratio
- ◆ Log of Exams (if needed)
- ◆ Extensive Personal Attention
- ◆ Scan Multiple Live Models Each Day
- ◆ Scanning Tips and Tricks from MSK Experts

WHO SHOULD ATTEND THIS FORMAT:

Physicians, Sonographers and other medical professionals learning how to perform and/or interpret musculoskeletal examinations who prefer a more self paced comprehensive online course option while still obtaining critical hands-on training.

CME CREDITS & TUITION:

AMA CATEGORY I ONLINE COURSE	16.50	ADVANCED REGISTRATION	\$2495	This course meets CME/CEU requirements for ARDMS, APCA. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if register 14 days or less of course start date.
AMA CATEGORY I SCAN WORKSHOP	12.00	REGULAR REGISTRATION	\$2695	

FACULTY:



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In2it Medical
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SHANE SHAPIRO, M.D., FMSK
Sports & Orthopedic Medicine
Mayo Medical School
Assistant Professor
Jacksonville, FL



LORI GREEN, BA, RT(R), RDMS, RDOS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL

MUSCULOSKELETAL ULTRASOUND PRODUCTS

INTRO TO MSK ULTRASOUND | DVD COURSE PACK \$1364

Optional: 20.25 AMA PRA
Category 1 Credits™

CP-MSK



MSK ULTRASOUND IMAGING FUNDAMENTALS **NEW** (74 mins.)

LORI GREEN, BA, RT, RIMS, RDCS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MSKIF2 DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-60-5

TOPICS:

- Sound Production & Image Generation
- Transducers & Image Resolution
- Image Orientation & Scanning Fundamentals
- Image Interpretation & U/S Terminology
- Normal MSK Anatomy Echo
- Optimizing System Controls
- Commonly Seen Image Artifacts



ULTRASOUND EVALUATION OF THE NORMAL SHOULDER **NEW** (47 mins.)

CRAIG CHAPPELL, D.O., RMSK, CAQSM | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MUSH2 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-15-6

TOPICS:

- Shoulder Anatomy
- Normal Ultrasound Characteristics of the Shoulder
- Probe Control
- Minor Pathologies
- Points of Contact
- Live Scan Demonstration
- Protocol



ULTRASOUND EVALUATION OF THE NORMAL ELBOW (42 mins.)

PAUL LENTO, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MELB DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-74-5

TOPICS:

- Scanning Techniques and Protocols
- Evaluation of Anterior, Lateral, Medial, and Posterior aspects of the Elbow
- Normal Characteristics
- Dynamic Maneuvers of Subluxation of the Ulnar Nerve

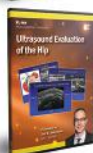


ULTRASOUND EVALUATION OF THE NORMAL HAND & WRIST **NEW** (59 mins.)

RALF THIELE, M.D., RHMSUS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MHW2 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-14-9

TOPICS:

- Hand & Wrist Anatomy
- Dorsal & Ulnar Wrist
- Probe Control
- Radial & Volar Wrist
- Normal Characteristics
- MCP & PIP Joint
- Minor Pathologies
- Scan Demonstrations



MUSCULOSKELETAL ULTRASOUND EVALUATION OF THE HIP **NEW** (56 mins.)

JON JACOBSON, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MH DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-53-7

TOPICS:

- Joint Abnormalities
- Soft Tissue Abscess
- Bursal Pathology
- Inflammatory Myositis
- Muscle and Tendon Injury
- Lymph Node Evaluation
- Snapping Hip Syndrome
- Soft-Tissue Myxoma
- Miscellaneous Pathology
- Soft-Tissue Sarcoma



ULTRASOUND EVALUATION OF THE ELBOW PATHOLOGY **NEW** (50 mins.)

JON JACOBSON, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MELP2 DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-14-8

TOPICS:

- Joint Effusion & Bursa
- Biceps and Triceps Tendon Abnormalities
- Epicondylitis
- Ulnar Collateral Ligament
- Cubital Tunnel



USE OF ULTRASOUND IN RHEUMATOLOGY APPLICATIONS **NEW** (43 mins.)

RALF THIELE, M.D., FACR, RHMSUS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-RHEU DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-19-3

TOPICS:

- Prevalence of Disease in the U.S.
- Rheumatoid Arthritis: Erosions, Synovitis, Tenosynovitis, Treatment Response
- Spondyloarthritis: Synovitis, Tenosynovitis, Peritendinitis, Enthesitis, Erosions, New Bone Formation
- Crystal Arthritis: Sonographic Features of Gout
- Osteoarthritis: Synovitis, Systemic Inflammatory Mediators, Low-Grade Inflammation, Articular Cartilage, Basic Calcium Phosphate Crystals



ULTRASOUND EVALUATION OF HAND & WRIST PATHOLOGY **NEW** (54 mins.)

JON JACOBSON, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MHWP DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-16-3

TOPICS:

- Joint Effusions
- Inflammatory Arthritis
- Erosions Rheumatoid Nodules
- Tenosynovitis
- Tendon Tears
- Intersection Syndrome
- Pulley Tears
- Trigger Finger
- Extensor Carpi Ulnaris
- Subluxation and Dislocation
- Carpal Tunnel Syndrome
- Guyon's Canal
- Wartenburg Syndrome
- Scapholunate Ligament Tear
- Extrinsic Dorsal Ligament Injury
- Gamekeeper Thumb
- Triangular Fibrocartilage (TFC)
- Scaphoid Fracture
- Common Pitfalls in Wrist/Hand
- Cysts & Masses
- Nerve Entrapment



UPPER EXTREMITY MUSCULOSKELETAL ULTRASOUND PROTOCOLS (55 mins.)

CRAIG CHAPPELL, D.O., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MSPU DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-03-2

TOPICS:

- Normal Ultrasound Anatomy and Protocols for the Shoulder, Elbow, Hand/Wrist
- Normal Ultrasound Characteristics for the Shoulder, Elbow, Hand/Wrist



ULTRASOUND EVALUATION OF THE NORMAL KNEE **NEW** (57 mins.)

TIM MAZZOLA, M.D., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MUK2 DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-16-2

TOPICS:

- Normal Knee Anatomy
- Ultrasound Characteristics of Normal Knee Anatomy
- Scan Techniques to Evaluate the Anterior, Medial, Lateral, and Posterior Knee
- Scan Techniques and Protocol for Evaluating the Knee
- Limitations and Pitfalls Associated with the Ultrasound Evaluation of the Knee



ULTRASOUND EVALUATION OF THE FOOT & ANKLE **NEW** (91 mins.)

SHANE SHAPIRO, M.D., RMSK | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-MUFA2 DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-15-5

TOPICS:

- Ankle/Foot Anatomy
- Spring Ligament
- Tarsal Tunnel Syndrome
- Flexor Hallucis Longus Tendinitis
- Peroneal Tendinopathy
- Peroneal Tendon Dislocation
- Peroneus Quartus
- Chronic ATFL Tear
- Achilles Heal
- Retrocalcaneal Bursitis
- Plantar Fasciitis & More.



LOWER EXTREMITY MUSCULOSKELETAL ULTRASOUND PROTOCOLS (57 mins.)

CRAIG CHAPPELL, D.O., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MSPU DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-04-9

TOPICS:

- Normal Ultrasound Anatomy and Protocols for the knee, and ankle/foot
- Normal Ultrasound Characteristics for the knee, and ankle/foot



ULTRASOUND-GUIDED MSK INJECTION TECHNIQUES **NEW** (53 mins.)

JON JACOBSON, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MUGIT DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-52-0

TOPICS:

- Injection Techniques
- Bursa Imaging
- Joint Imaging
- Cyst Imaging
- Tendon Sheath Imaging
- Summary



ULTRASOUND EVALUATION OF SHOULDER PATHOLOGY **NEW** (64 mins.)

JON JACOBSON, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MSHP DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-71-1

TOPICS:

- Rotator Cuff Tears, Abnormalities
- Pathogenesis
- Supraspinatus & Insertion Partial Thickness Tears
- Articular Partial-Thickness Tears
- Bursal Partial-Thickness Tears
- Large Full-Thickness Tears
- Massive Full-Thickness Tears
- Instaurabundance Tears
- Tendinosis
- Fatty Infiltration & Muscle Atrophy
- Tendon Volume Loss
- Joint & Bursal Effusions
- Secondary Findings of Rotator Cuff Tears
- Pitfalls in Rotator Cuff Sonography
- Other Miscellaneous Cuff Pathology



ULTRASOUND EVALUATION OF KNEE PATHOLOGY **NEW** (40 mins.)

TIM MAZZOLA, M.D., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-MUKP DVD 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-17-9

TOPICS:

- Pathology of the anterior, medial, lateral and posterior knee
- Quadriceps & Patellar tendons, patella, and fat pads
- Joint effusion, synovitis, loose bodies, plica
- Bursae: pre-patellar, deep and superficial infrapatellar
- Medial, Lateral, Posterior

MUSCULOSKELETAL ULTRASOUND PRODUCTS

ADVANCED MSK ULTRASOUND | DVD COURSE PACK \$918

 Optional: 12.25 AMA PRA
Category 1 Credits™

CP-MA


U/S EVAL. OF THE SPINE AND INJECTION TECHNIQUES **NEW** (85 mins.)

 DAVID WANG, D.O. | \$129.00 | ADD \$25.00 FOR CME QUIZ
 VL-MSP3 DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-22-3

TOPICS:

- Lumbar Epidural Steroid Injections
- Cervical Spine Interventions
- Caudal Injections
- Benefits of Prolotherapy
- SI Joint Injections
- Treatments for the Lumbar & Cervical Spine


MUSCULOSKELETAL ULTRASOUND FOR POSTOPERATIVE APPLICATIONS (40 mins.)

 TIM MAZZOLA, M.D., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-MPOU2 DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-31-6

TOPICS:

- Post-Operative Shoulder
- Post-Operative Hip
- Post-Operative Knee
- Post-Operative Foot & Ankle


PERIPHERAL NERVE ENTRAPMENT **NEW** (40 mins.)

 JON JACOBSON, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-MPNE DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-50-6

TOPICS:

- Peripheral Nerve Entrapment/Carpal Tunnel Syndrome
- Median & Ulnar Nerve Entrapment Syndromes
- Radial, Cubital & Suprascapular Nerve Entrapments, Labral Cyst
- Peroneal, Tibial & Interdigital Nerve Entrapment Syndromes


ADV. ULTRASOUND TECHNIQUES FOR THE FOOT AND ANKLE **NEW** (47 mins.)

 TIM MAZZOLA, M.D., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-MAFA DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-77-6

TOPICS:

- Lateral
- Anterolateral
- Posterolateral
- Posterior


ADVANCED PERIPHERAL NERVE APPLICATIONS **NEW** (43 mins.)

 JEFFREY STRAKOWSKI, M.D. | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-MAPNA DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-76-9

TOPICS:

- Imaging Peripheral Nerves
- Use of Anatomic Landmarks
- Scanning Techniques
- Ultrasound for Focal Neuropathies
- Peripheral Nerve Anatomy
- Nerve Scarring, Trauma & Injury Neuromas & Tumors
- Echotexture
- Electrodiagnostic Testing vs. Ultrasound


DYNAMIC MUSCULOSKELETAL ULTRASOUND IMAGING **NEW** (57 mins.)

 JON JACOBSON, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-MSDE2 DVD/ONLINE 1.50 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-20-9

TOPICS:

- Shoulder
- Ankle/Foot
- Elbow
- Soft Tissues
- Wrist and Hand
- Hip and Thigh
- Knee


ULTRASOUND-GUIDED PERIPHERAL NERVE INJECTIONS IN AN MSK PRACTICE (53 mins.)

 SHANE SHAPIRO, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-UPNI DVD/ONLINE 1.50 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-59-2

TOPICS:

- Indications for Peripheral Nerve Injections
- Pre-Procedural Considerations
- Transducer Selection & Image Optimization
- Needle Selection & Injection Techniques
- Nerve Anatomy
- Upper Ext. U/S-Guided Procedures
- Ultrasound Characteristics
- Lower Ext. Peripheral Nerve Injections


MSK ULTRASOUND EVALUATION OF TUMORS & MASSES **NEW** (40 mins.)

 JON JACOBSON, M.D. | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-MUTM DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-21-6

TOPICS:

- Tumor / Pseudotumor
- Anatomic Location
- Reactive Lymph Node
- Tendon Tear
- B-Cell Lymphoma
- Pigmented Villonodular Synovitis
- Muscle Hernia
- Subcutaneous Masses
- Angiosarcoma Metastasis
- Anomalous Muscle
- Bicipitoradial Bursitis
- Gout
- Rheumatoid Nodule
- Baker, Ganglion & Parameniscal Cysts


ULTRASOUND EVALUATION OF SNAPPING TENDONS & JOINTS **NEW** (52 mins.)

 SHANE SHAPIRO, M.D., RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-MSTJ DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-51-3

TOPICS:

- Snapping Shoulders, Elbows, Hips, & Knees
- Loose Bodies
- Subluxing & Dislocating Peroneal Tendons
- U/S Guided Injections for Treatment


MSK ULTRASOUND: UNLOCKING FROZEN JOINTS **NEW** (38 mins.)

 TIM MAZZOLA, M.D., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-UFJ DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-93-3

TOPICS:

- General Principles
- 1st MTP Joint "Frozen Toe"
- Glenohumeral Joint "Frozen Shoulder"
- Ankle "Frozen Ankle"

NEW
ULTRASOUND GUIDED REGENERATIVE MEDICINE | DVD COURSE PACK \$473

 Optional: 6.75 AMA PRA
Category 1 Credits™

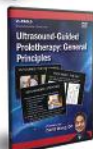
CP-RM


ULTRASOUND EVAL. OF THE SPINE & INJECTION TECHNIQUES **NEW** (85 mins.)

 DAVID WANG, D.O. | \$129.00 | ADD \$25.00 FOR CME QUIZ
 VL-MSP3 DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-22-3

TOPICS:

- Lumbar Epidural Steroid Injections
- Cervical Spine Interventions
- Caudal Injections
- Benefits of Prolotherapy
- SI Joint Injections
- Treatments for the Lumbar & Cervical Spine


ULTRASOUND-GUIDED PROLOTHERAPY: GENERAL PRINCIPLES **NEW** (60 mins.)

 DAVID WANG, D.O. | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-PROLO DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-18-6

TOPICS:

- History of Prolotherapy
- Outcomes of Prolotherapy
- Mechanisms of Prolotherapy
- Considerations for MSK Abnormalities
- Injection Solutions & Techniques
- The Role of Prolotherapy
- Treatment Principles & Techniques
- Conditions for the use of Prolotherapy


ADV. ULTRASOUND GUIDED PROCEDURES IN REHAB MEDICINE **NEW** (50 mins.)

 BRIAN SHIPLE, D.O., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-MUGR2 DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-78-0

TOPICS:

- PRP to Atrophied Lumbar Multifidi
- Hamstring Strain & LCL / RCL Defects
- Spine Pain Treatment Options
- Ultrasound-Guided ACL Injection
- Longissimus Muscle Strain
- Regenerative Medicine Applications
- Rectus Abdominus Strain
- Pitfalls & Benefits of U/S-Guided MSK Intervention Techniques


BONE MARROW AND LIPOASPIRATE **NEW** (50 mins.)

 ALBERT KOZAR, D.O., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-BML DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-32-2

TOPICS:

- Hematopoietic & Mesenchymal Stromal Cells
- Sources of Stem Cells
- History of MSC's
- Principles in Marrow Collection
- Centrifugal Separation
- Lipoaspirate Procedure
- BMAC vs' Adipose
- Capabilities of Adipose Stem Cells
- Procedural Kits: Commercial vs' DIY
- Lipoaspirate Harvesting Methods
- Fat Aspiration Supplies & Protocols
- Evidence


MSK ULTRASOUND GUIDED PRP: GENERAL PRINCIPLES **NEW** (37 mins.)

 CRAIG CHAPPELL, D.O., CAQSM, RMSK | \$99.00 | ADD \$25.00 FOR CME QUIZ
 VL-PRP2 DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-81-0

TOPICS:

- PRP: What is it? What's in it?
- Advantages & Criticisms
- PRP: Growth Factors
- PRP: The Harvest & Preparations
- PRP: How does it work? Why use it?
- What about Anesthetic? PRP: Evidence
- PRP: What does it treat?
- PRP Applications

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CASE STUDIES VOL. 2 BONE MARROW & LIPOASPIRATE **NEW** (116 mins.)

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 VL-RMCB DVD/ONLINE 2.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-55-1

TOPICS:

- Adipose Tissue Harvesting Procedure
- Bone Marrow Procedure of the Knee
- SI Joint Instability Injection Technique
- Intra-Articular Thumb/Carpal-Metacarpal
- Bone Marrow Aspiration Techniques
- Percutaneous Tenotomy


CASE STUDIES VOL. 3 UPPER EXTREMITY & SPINE **NEW** (100 mins.)

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 VL-RMCV3 DVD/ONLINE 2.00 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-09-5

TOPICS:

- Caudal Epidural
- Left & Right Shoulder PRP Treatment
- PRP Treatment Left Elbow & Shoulder
- PRP Treatment of the Hand/Fingers/Wrist
- PRP Treatment of the Spine
- PRP Treatment Right Elbow & Shoulder


CASE STUDIES VOL. 1 PRP APPLICATIONS **NEW** (59 mins.)

 CRAIG CHAPPELL, M.D., RMSK | \$99 | ADD \$25.00 FOR CME QUIZ
 VL-RMCP DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-54-4

TOPICS:

- Rotator Cuff Injury
- Shoulder PRP Treatment
- Medial Knee
- PRP Treatment for Chronic Ankle Injury
- Lateral Knee


CASE STUDIES VOL. 4 LOWER EXTREMITY **NEW** (110 mins.)

 CRAIG CHAPPELL, M.D., RMSK | \$99 | ADD \$25.00 FOR CME QUIZ
 VL-RMC4V DVD/ONLINE 2.00 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-10-1

TOPICS:

- Hydrodissection of the Common Fibular Nerve
- PRP Treatment for Bilateral Knees
- Left Proximal Hamstring Tenotomy
- Bone Marrow Aspiration
- Superficial Peroneal & Tibial Nerve Blocks
- Stem Cell Treatment on Left Knee
- PRP Treatment of the Left Knee

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CRAIG CHAPPELL, D.O., CAQSM, RMSK, PAUL LENTO, M.D., RMSK
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OC-MSKU161 ONLINE COURSE 8.00 AMA PRA Category 1 Credits™

TOPICS:

- Fundamentals & Tissue Characterization
- U/S Evaluation of the Normal Elbow
- U/S Evaluation of the Shoulder
- U/S Evaluation of Elbow Pathology
- U/S Evaluation of Shoulder Pathology
- U/S Evaluation of the Hand & Wrist



ADVANCED MUSCULOSKELETAL ULTRASOUND APPLICATIONS **NEW**

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TOPICS:

- Dynamic Imaging
- Post-Operative MSK Ultrasound
- Advanced Foot & Ankle
- Adv. Peripheral Nerve Applications
- MSK Ultrasound of Tumors & Masses
- U/S-Guided Peripheral Nerve Injections



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TOPICS:

- Adv. MSK U/S-Guided Procedures
- Bone Marrow & Lipos aspirate
- Prolotherapy
- Spine and Infection Techniques
- PRP
- Regenerative Medicine Demos



INTRODUCTION TO MSK ULTRASOUND-UPPER & LOWER EXTREMITIES **NEW**

JON JACOBSON, M.D., RMSK, PAUL LENTO, M.D., RMSK, TIM MAZZOLA, M.D., CAQSM, RMSK,
CRAIG CHAPPELL, D.O., RMSK, CAQSM, SHANE SHAPIRO, M.D., RMSK, RALF THIELE, M.D.,
LORI GREEN, BA, RT, RDMS, RDGS, RVT | \$870.00
OC-MSKU191 ONLINE COURSE 16.50 AMA PRA Category 1 Credits™

TOPICS:

- Fundamentals & Tissue Characterization
- U/S Eval. of Knee & Pathology
- U/S Evaluation of the Shoulder & Pathology
- U/S Eval. of the Ankle & Foot
- U/S Evaluation of the Elbow & Pathology
- U/S Eval. of the Hip
- U/S Eval. of the Wrist & Hand, Normal & Pathology
- U/S Guided MSK Injections



INTRODUCTION TO MSK ULTRASOUND - LOWER EXTREMITIES

JON JACOBSON, M.D., RMSK, PAUL LENTO, M.D., RMSK,
TIM MAZZOLA, M.D., CAQSM, RMSK, THERESA JORGENSEN, RDMS, RDGS, RVT | \$425.00
OC-MSKL161 ONLINE COURSE 6.00 AMA PRA Category 1 Credits™

TOPICS:

- Fundamentals & Tissue Characterization
- U/S Evaluation of the Foot & Ankle
- Ultrasound Eval. of the Knee & Pathology
- U/S Evaluation of the Hip



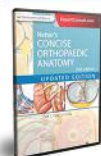
PERIPHERAL NERVE ULTRASOUND: DIAGNOSTIC & INTERVENTIONAL APPLICATIONS

JEFF STRAKOWSKI, M.D., SHANE SHAPIRO, M.D., RMSK, JAY SMITH, M.D., FACSM, RMSK,
CHRIS VISCO, M.D., FAAPMR, RMSK, ETHAN RAND, M.D. | \$830.00
OC-PNU171 ONLINE COURSE 13.00 AMA PRA Category 1 Credits™

TOPICS:

- Ultrasound Evaluation of Peripheral Nerves & Focal Neuropathies
- Ultrasound-Guided Injections & Principles of Hydro-dissection + more.

MUSCULOSKELETAL ULTRASOUND BOOKS



NETTER'S CONCISE ORTHOPAEDIC ANATOMY (416 pgs.)

JON THOMPSON, M.D. | \$62.99
NCOA2 SOFTCOVER BOOK ISBN # 9780323429702

TOPICS:

- The latest data in thoroughly updated Diagnostic & Treatment Algorithms for all conditions while preserving the popular At-A-Glance Table Format.
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FMU3 SOFT BOUND BOOK ISBN # 978-0-323-44552-2

TOPICS:

- Basic Pathology Concepts
- Hip & Thigh Ultrasound
- Shoulder Ultrasound
- Knee Ultrasound
- Elbow Ultrasound
- Ankle, Foot and Lower Leg Ultrasound
- Wrist & Hand Ultrasound
- Interventional Techniques

CME VITALS



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VIT-FRAC CME VITAL 0.5 AMA PRA Category 1 Credits™



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KATHY QUENNEVILLE, BS, RMSKS, RDMS, RT(R) | \$25.00
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COMMUNICATED INFO WITH EASE. VERY ENJOYABLE EXPERIENCE.”

KRISTIN RAWLINSON, RDMS, RVT

VASCULAR

LIVE VASCULAR COURSE (LIVE LECTURES + HANDS-ON)

INTRO TO CAROTID DUPLEX/COLOR FLOW IMAGING

October 12-13, 2020

C-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform and/or interpret Carotid Duplex/Color Flow Imaging ultrasound examinations.
2. Apply knowledge of the anatomy/physiology of the cerebrovascular system into the Carotid Duplex exam.
3. Cite Doppler/color physics principles and be able to (sonographers) apply these principles to optimize system controls and/or (physicians) utilize this information for identifying technical errors which may result in misdiagnosis.
4. Perform routine scan protocols, and Doppler calculations in a complete carotid duplex/color examination.
5. Differentiate normal/abnormal spectral Doppler/color characteristics.
6. List methods of obtaining quantitative information & state the diagnostic relevance of each measurement.
7. Characterize plaque morphology & other pathology associated with cerebral vascular disease.
8. Perform Intima-media thickness measurements and state the clinical significance as a screening method for cardiovascular disease.
9. Apply diagnostic criteria for accurate interpretation of Carotid Duplex/Color Flow Examinations.
10. Integrate the information to include and prepare a structured report for a carotid ultrasound examination.

COURSE FEATURES & TOPICS:

- ◆ Doppler & Color Fundamentals
- ◆ Carotid Anatomy, Physiology & Scan Protocols
- ◆ Scan Logs / Checklists Available
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Carotid Stenosis Assessment
- ◆ Case Studies / Structuring a Report
- ◆ Normal Spectral Analysis
- ◆ 3:1 Hands-On Scan Ratio with Live Models
- ◆ Interactive Review of Carotid Imaging Pitfalls
- ◆ Disease Progression / Intima-Media Thickness
- ◆ Non-Atherosclerotic Carotid Abnormalities
- ◆ Transcranial Doppler Ultrasound Basics

WHO SHOULD ATTEND:

Any physician, sonographer or other medical professionals learning how to perform carotid duplex/color examinations (*proof of allied health experience required*). Physicians at an entry level of interpreting exams. Physician participants may include (*but are not limited to*) those involved with internal medicine, cardiology, radiology, neurology, primary care, and general/vascular surgery. See the next page for the Blended Education.

CME CREDITS & TUITION:

AMA CAT. I	15.00	This course meets CME/CEU requirements for ARDMS, CCI, APCA. *Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if register 14 days or less of course start date. Combine and Save with Peripheral Vascular Ultrasound Course (\$3270). See page 26.
ABIM MOC	15.00	
REGULAR REGISTRATION	\$1845	
ADVANCED REGISTRATION	\$1645	

FACULTY:



PHILLIP BENDICK, PhD, RVT, FSDMS, FSVU
Vascular Consultant
Bass, NC



LORI GREEN, BA, RT(R), RDMS, RDCS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL

“GOOD USE OF TIME & COVERAGE OF FUNDAMENTALS. I PLAN TO EXPLORE THIS MODALITY IN MY PRACTICE AS AN INTERNIST AND KEY CARDIOLOGIST PARTNER.”

MARCUS SANTIAGO, M.D.

SAVE! Combine with Introduction to Peripheral Vascular Duplex/Color Flow Imaging Course & **SAVE.** **SAVE!**

BLENDED INTRO TO CAROTID DUPLEX/COLOR FLOW ULTRASOUND June 15, 2020 BCSO-201

ONLINE COURSE OBJECTIVES:

Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform and/or interpret Carotid Duplex/Color Flow Imaging ultrasound examinations.
2. Apply knowledge of the anatomy/physiology of the cerebrovascular system into the Carotid Duplex exam.
3. Cite Doppler/color physics principles and be able to (sonographers) apply these principles to optimize system controls and/or (physicians) utilize this information for identifying technical errors which may result in misdiagnosis.
4. Perform routine scan protocols, and Doppler calculations in a complete carotid duplex/color examination.
5. Differentiate normal/abnormal spectral Doppler/color characteristics.
6. List methods for obtaining quantitative information and state the diagnostic relevance of each of the measurements.
7. Characterize plaque morphology & other pathology associated with cerebral vascular disease.
8. Perform Intima-Media Thickness measurements and evaluation and state the clinical significance as a screening method for cardiovascular disease.
9. Integrate the information to include and prepare a structured report for a carotid ultrasound examination.
10. Apply diagnostic criteria for accurate interpretation of Carotid Duplex/Color Flow Examinations
11. Better perform an/or interpret upper & lower peripheral vascular ultrasound examination.

ONLINE COURSE INCLUDES: (15 Months Unlimited Access.)

- ◆ Doppler & Color Fundamentals
- ◆ Carotid Anatomy, Physiology & Scan Protocols
- ◆ Normal Carotid Spectral Analysis
- ◆ Downloadable / Printable Handouts
- ◆ Carotid Duplex/Color Scan Protocol
- ◆ Carotid Stenosis Assessment
- ◆ U/S Evaluation of Intima-Media Thickness
- ◆ Challenging Carotid Cases Studies
- ◆ Non-Atherosclerotic Carotid Abnormalities

HANDS-ON WORKSHOP INCLUDES: (St. Petersburg, Florida)

- ◆ (1) Full Day Scanning Sessions (No Lectures)
- ◆ Scan Multiple Live Models Everyday
- ◆ Extensive Personal Attention
- ◆ 3:1 Participant to Instructor Scanning Ratio
- ◆ Log of Exams (if needed)
- ◆ Scanning Tips and Tricks from the Experts

WHO SHOULD ATTEND THIS FORMAT:

Any busy physician, sonographer or other medical professionals learning how to perform carotid duplex/color examinations. Physicians at an entry level of interpreting examinations who prefer a blended format (online course + hands-on). Physician participants may include (*but are not limited to*) those involved with internal medicine, cardiology, radiology and general/vascular surgery.

CME CREDITS & TUITION:

AMA CATEGORY I ONLINE COURSE	10.50	This course meets CME/CEU requirements for ARDMS, CCI, & APCA.		Combine with either Blended Peripheral Vascular or Blended TCD Course & Save. See page 27 & 28. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if you register 14 days or less of course start date.
AMA CATEGORY I SCAN WORKSHOP	6.00			
ADVANCED REGISTRATION	\$1645	REGULAR REGISTRATION	\$1845	

FACULTY:



PHILLIP BENDICK, PhD, RVT, FSDMS, FSVU
Vascular Consultant
Bass, NC



LORI GREEN, BA, RT(R), RDMS, RDCS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL

“THE [BLENDED] OPTION WAS PERFECT FOR ME AND MY BUSY SCHEDULE. THANKS AGAIN FOR A WAY TO TAKE THE COURSE AT HOME AND ONLY HAVE TO BE AWAY FROM WORK FOR THE HANDS-ON PART. THIS WAS A GREAT COURSE!”

DENISE CONLON, RVT, RDCS

LIVE VASCULAR COURSE (LIVE LECTURES + HANDS-ON)

INTRO TO PERIPHERAL VASCULAR DUPLEX/COLOR FLOW IMAGING October 14-15, 2020 P-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform and/or interpret upper & lower Peripheral Vascular ultrasound examinations.
2. Apply knowledge of the anatomy/physiology of the upper & lower extremity venous and arterial systems into the venous & arterial duplex and physiologic testing examinations.
3. Cite Doppler/color physics and be able to (sonographers) apply these principles to optimize system controls and/or (physicians) utilize this information for recognizing technical errors which may result in misdiagnosis.
4. Perform routine scan protocols, and document Doppler waveforms for lower extremity arterial and venous evaluations of the upper and lower extremity.
5. Differentiate normal/abnormal imaging, spectral Doppler and color characteristics for identifying arterial and venous disease.
6. State the indications & applications of indirect testing methods for lower arterial disease.
7. Demonstrate vein mapping techniques to identify suitability as a potential arterial bypass graft.
8. Perform routine scan protocols & document Doppler waveforms for venous evaluation of the lower extremities, including pre and post vein ablation evaluation.
9. State the role of ultrasound in the diagnosis and treatment of venous insufficiency.
10. Perform evaluation for venous insufficiency and patency of perforators for vein therapy treatment.

COURSE FEATURES & TOPICS:

- ◆ Venous & Arterial Anatomy/Physiology
- ◆ Vascular Scan Techniques
- ◆ Direct & Indirect Procedure Testing
- ◆ Pre & Post-Precedural Mapping
- ◆ Duplex/Color Evaluations of Lower & Upper Extremities.
- ◆ Evaluation of Venous Insufficiency
- ◆ Duplex/Color Evaluation for Venous Ablation Procedures
- ◆ Types of Vein Ablation Procedures
- ◆ Lower Extremity Arterial Anatomy & Physiology & Treatment of Lower Arterial Disease.
- ◆ Arterial Direct & Indirect Testing & Duplex Scanning
- ◆ 3:1 Hands-On Scanning with Live Models, plus Scan Logs and Checklists are Available at request
- ◆ FREE Video: Doppler & Color Fundamentals & Lifetime Access to Digital Course Syllabus

WHO SHOULD ATTEND:

Physicians, sonographers and other medical professionals learning to perform peripheral vascular duplex/color exams who prefer a traditional live lecture plus hands-on format. Physician participants may include (*but are not limited to*) those involved with internal medicine, cardiology, radiology, neurology, primary care and general/vascular surgery. See the next page for the Blended Education (Online + Hands-On) Option.

CME CREDITS & TUITION:

AMA CAT. I	14.50	This course meets CME/CEU requirements for ARDMS, CCI & APCA. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if register 14 days or less of course start date. Combine with Carotid Course & Save (\$3270). See page 24.	
ABIM MOC	14.50		
ADVANCED REGISTRATION	\$1645	REGULAR REGISTRATION	\$1845

FACULTY:



PHILLIP BENDICK, PhD, RVT, FSDMS, FSVU
Vascular Consultant
Bass, NC



ROB DAIGLE, BA, RVT, FSVU, FSDMS
President, Summer Publishing
Ultrasound Consultant
Denver, CO

“VERY INFORMATIVE AND FANTASTIC INSTRUCTORS. I WOULD HIGHLY RECOMMEND THIS COURSE TO FUTURE TECHNICIANS AND PHYSICIANS ALIKE. TWO THUMBS UP.”

KELLY D. LEWIS, BA, RT, RCS

SAVE!

Combine with Introduction to Carotid Duplex/Color Flow Imaging Course & \$AVE.

SAVE!

BLENDED VASCULAR COURSE (ONLINE COURSE + HANDS-ON)

BLENDED INTRO TO PERIPHERAL VASCULAR ULTRASOUND

June 16, 2020

BPSO-202

ONLINE COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participants' knowledge to better perform and/or interpret upper and lower Peripheral Vascular ultrasound examinations.
2. Apply knowledge of the anatomy/physiology of the upper & lower extremity venous & arterial systems into the venous & arterial duplex & physiologic testing exam.
3. Differentiate normal/abnormal imaging, spectral Doppler and color characteristics for identifying arterial and venous disease.
4. (Sonographers) Cite Doppler/color physics and apply these principles to optimize system controls and/or (Physicians) utilize this data for recognizing technical errors which may result in misdiagnosis.
5. Perform routine scan protocols, and document Doppler waveforms for lower extremity arterial and venous evaluations of the upper and lower extremity.
6. State the indications and applications of indirect testing methods for lower arterial disease.
7. Demonstrate vein mapping techniques to identify suitability as a potential arterial bypass graft.
8. Perform routine scan protocols & document Doppler waveforms for venous eval. of the lower extremities, including pre & post vein ablation evaluation.
9. State the role of ultrasound in the diagnosis and treatment of venous insufficiency.
10. Perform evaluation for venous insufficiency and patency of perforators for vein therapy treatment.

ONLINE COURSE INCLUDES: (15 Months Unlimited Access.)

- ◆ Anatomy, Techniques & Normal Characteristics
- ◆ Duplex/Color Evaluation for Venous Ablation
- ◆ LE Arterial Anatomy & Physiology
- ◆ Duplex / Color Evaluation of LE, UE & DVT
- ◆ Types of Vein Ablation Procedures
- ◆ Clinical Exam & Indirect Testing
- ◆ Evaluation of Venous Insufficiency
- ◆ Pre & Post-Procedure Mapping
- ◆ Direct Testing & Duplex Scanning

HANDS-ON WORKSHOP INCLUDES: (St. Petersburg, Florida)

- ◆ (1) Full Day Scanning Sessions (No Lectures)
- ◆ Scan Multiple Live Models Everyday
- ◆ Extensive Personal Attention
- ◆ 3:1 Participant to Instructor Scanning Ratio
- ◆ Log of Exams (if needed)
- ◆ Scanning Tips and Tricks from the Experts

WHO SHOULD ATTEND THIS FORMAT:

Any busy physician, sonographer or other medical professionals learning how to perform peripheral vascular ultrasound examinations who prefer a blended format (online course + hands-on scanning). Physicians at an entry level of interpreting examinations. Physician participants may include (*but are not limited to*) those involved with internal medicine, cardiology, radiology and general/vascular surgery.

CME CREDITS & TUITION:

AMA CATEGORY I ONLINE COURSE	13.50	This course meets CME/CEU requirements for ARDMS, CCI & APCA.		Combine with Blended Carotid Course & Save (\$3290). See page 25. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if you register 14 days or less of course start date.
AMA CATEGORY I SCAN WORKSHOP	6.00			
ADVANCED REGISTRATION	\$1670	REGULAR REGISTRATION	\$1870	

FACULTY:



ROB DAIGLE, BA, RVT, FSVU, FSDMS
President, Summer Publishing
Ultrasound Consultant
Denver, CO



PHILLIP BENDICK, PhD, RVT, FSDMS, FSVU
Vascular Consultant
Bass, NC

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CONNIE WILLIS

BLENDED VASCULAR COURSE (ONLINE COURSE + HANDS-ON)

BLENDED INTRO TO TRANSCRANIAL DOPPLER ULTRASOUND June 16, 2020 BTCD SO-202

ONLINE COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase participant's knowledge to better perform and/or interpret TCD/TCI examinations.
2. Demonstrate standard scan techniques for performing a TCD and TCI exam.
3. Recognize normal and abnormal intracranial Doppler spectral waveform characteristics.
4. Apply diagnostic criteria for TCD/TCI interpretation.
5. State the clinical applications and the limitations of TCD/TCI examinations.
6. Increase knowledge and confidence to integrate the skills learned in a clinical setting.

ONLINE COURSE INCLUDES: (15 Months Unlimited Access.)

- ◆ Transcranial Doppler History
- ◆ Clinical Applications
- ◆ Brain Death, Emboli, Cerebrovascular Disease
- ◆ Neuroanatomy & TCD Exam Techniques
- ◆ Subarachnoid Hemorrhage
- ◆ Intracranial Stenosis, Intracranial Occlusion
- ◆ Downloadable / Printable Handouts
- ◆ AVM, Cerebrovascular Reactivity, Trauma
- ◆ Sickle Cell Disease, PFO

HANDS-ON WORKSHOP INCLUDES: (St. Petersburg, Florida)

- ◆ (1) Full Day Scanning Sessions (No Lectures)
- ◆ Scan Multiple Live Models Everyday
- ◆ Extensive Personal Attention
- ◆ 3:1 Participant to Instructor Scanning Ratio
- ◆ Log of Exams Provided (if needed)
- ◆ Scanning Tips and Tricks from the Experts

WHO SHOULD ATTEND THIS FORMAT:

Any busy sonographer, physician, nurse practitioner, PAs or other medical professional performing and/or interpreting TCD ultrasound examinations. Physician participants may include (but is not limited to) cardiology, neurology, vascular surgery, primary care and radiology.

CME CREDITS & TUITION:

AMA CAT. I	9.00	This course meets CME/CEU requirements for ARDMS, CCI, & APCA.	Combine with Blended Carotid Course & Save. (\$3270) See Page 25. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if you register 14 days or less of course start date.
AMA SCAN	6.00		
ADVANCED REGISTRATION	\$1650	REGULAR REGISTRATION	\$1850

FACULTY:



DONALEE DAVIS, CNRN
Clinical Vascular Specialist
Carefusion
Lower Merion, PA



LORI GREEN, BA, RT(R), RDMS, RDCS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL

“THANK YOU FOR AFFORDABLE CME CREDITS AND GREAT SCAN WORKSHOP WITH AMAZING FACULTY. I LEARNED MORE THAN I EXPECTED, ESPECIALLY SINCE I HAVE BEEN SCANNING FOR MORE THAN 20 YEARS. I AM IMPRESSED. THANKS AGAIN.”

SHARON HAWKINS-GUSTAFSON

VASCULAR ULTRASOUND PRODUCTS

INTRO TO CAROTID ULTRASOUND | DVD COURSE PACK \$652

Optional: 10.25 AMA PRA
Category 1 Credits™

CP-C



CAROTID DUPLEX/COLOR ULTRASOUND PROTOCOL MANUAL + ONLINE DEMO

LORI GREEN, BA, RT(R), RDMS, RDMS, RVT | \$69.95 | ADD \$25.00 FOR CME QUIZ
PM-VAS-C2 BOOKLET/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-28-8

TOPICS:

- Overview/Protocol Summary
- Carotid Study Worksheet/Other Carotid Pathology
- Instrumentation & Purpose
- Waveform Characteristics/Examination Protocols
- Exam Indications & Patient Assessment
- Carotid Measurements/Diagnostic Criteria



ULTRASOUND EVALUATION OF INTIMA-MEDIA THICKNESS **NEW** (48 mins.)

PHILLIP BENDICK, PH.D., RVT, FSDMS, FSVU | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-IMT3 DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-77-3

TOPICS:

- What is Intima Media Thickness?
- Why is IMT Important?
- How to Perform IMT Measurements
- How to Apply IMT Measurements in the Clinical Setting



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- Documentation Required by IAC for Vascular Lab Accreditation
- Accurately Apply the Diagnostic Criteria and How to Structure a Final Report



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- Vessel Tortuosity & Carotid Endarterectomy
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- Duplex/Color Flow Imaging



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- Duplex/Color Characteristics



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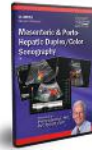


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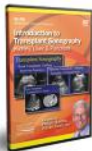


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- Pseudo Aneurysm Repair
- Aorta-iliac Disease
- Ilio Femoral Disease
- Arterial Stent Occlusion
- Endografts
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 - Diagnostic Criteria
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“I HAVE RENEWED ENTHUSIASM TO RETURN TO THE ER AND INCORPORATE ULTRASOUND INTO DAILY PRACTICE.”

JOHN RUSS, M.D.

- ▶ STARTING A PROGRAM
- ▶ INTRO COURSES
- ▶ BLENDED COURSES
- ▶ ADVANCED COURSES
- ▶ CUSTOM COURSES
- ▶ FEDERAL / GSA
- ▶ HANDS-ON TRAINING
- ▶ DVDs
- ▶ ONLINE VIDEOS
- ▶ ONLINE COURSES
- ▶ TEXTBOOKS

“A REAL EYE OPENER. I GOT OUT OF THIS COURSE EXACTLY WHAT I WANTED AND A LITTLE MORE.”

ERIC HOFF, D.O.

“EXTREMELY WELL RUN OPERATION. SUPERB FACILITY. SUBJECT MATTER EXPERTS GIVING THE LECTURES [WHICH ARE] BLATANTLY APPLICABLE TO TAKING GOOD CARE OF PATIENTS.”

BRIAN HALL, M.D.

POINT OF CARE

LIVE EMERGENCY MEDICINE COURSE (LIVE LECTURES + HANDS-ON)

INTRODUCTION TO EMERGENCY MEDICINE

February 24-26, 2020
September 14-16, 2020

ER-201
ER-202

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase participant's knowledge to better perform and/or interpret the emergency ultrasound examinations.
2. State basic fundamentals of ultrasound physics and demonstrate appropriate optimization of system controls.
3. Perform ultrasound evaluation of the trauma patient (e-FAST exam) and pneumothorax.
4. Demonstrate scan protocols for focused evaluation of the abdomen, aorta, female pelvis and heart.
5. State an algorithm for uses of bedside ultrasound during cardiac arrest, shock and hypotension.
6. Demonstrate image orientation, transducer prep. and scan protocols for performing use of ultrasound guidance for vascular access, pericardiocentesis, paracentesis hemothorax, lumbar puncture and ET placement.
7. Demonstrate protocol for focused evaluation of DVT.
8. Differentiate normal/abnormal image characteristics of the abdomen, female pelvis, first trimester OB, and ectopic pregnancy.
9. Increase competence to incorporate protocols, scan techniques, and interpretation criteria into clinical practice.

COURSE FEATURES & TOPICS:

- ♦ FAST & E-FAST
- ♦ OB/GYN Applications for the ER
- ♦ 3:1 Hands-On Scanning with Live Models
- ♦ Imaging & Needle Guidance Fundamentals
- ♦ Ultrasound-Guided Vascular Access & Procedures
- ♦ Focused 2D Cardiac Exam (F.A.T.E.)
- ♦ Biliary & Renal Colic, DVT Evaluation
- ♦ Ectopic Pregnancy, OB Cases & Abortion
- ♦ Abdominal Scanning Fundamentals
- ♦ Evaluation of Cardiac Arrest, Shock and Hypotension
- ♦ Pericardiocentesis, Paracentesis, Hemothorax Lumbar Puncture, ET
- ♦ Lifetime Access to Digital Course Syllabus

WHO SHOULD ATTEND:

Physicians, sonographers, and any other medical professionals involved with performing emergency, and point of care ultrasound examinations who prefer a traditional Live Lecture with hands-on scanning format.

CME CREDITS & TUITION:

AMA CAT. I	25.50	This course meets CME/CEU requirements for ARDMS & ABIM. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if register 14 days or less of course start date. Combine with Advanced Emergency Medicine / Critical Care Course & Save!			
ABIM MOC	25.50				
ACEP	25.50	ADVANCED REGISTRATION	\$2140	REGULAR REGISTRATION	\$2340
		COMBINE WITH ADVANCED EM		STARTING @ \$3790	

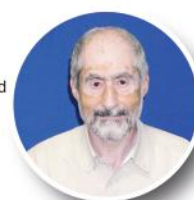
FACULTY:



JAMES MATEER, M.D., RDMS
COURSE DIRECTOR
Physician
Waukesha Memorial Hospital
Clinical Professor
Dept. of Emergency Med. College
Waukesha, WI



BRET NELSON, M.D., RDMS, FACEP
(FEBRUARY COURSE ONLY)
Attending Physician
Director of Emergency Ultrasound
Mount Sinai Hospital
New York, NY



ALEXANDER LEVITOV, M.D., FACP
FRCM, RDMS
Eastern Virginia Medical School
Department of Internal Medicine
Division of Pulmonary & Critical
Care Medicine
Norfolk, VA



LORI GREEN, BA, RT(R), RDMS, RDCS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL



DAVID BAHNER, MD, RDMS, FAAEM, FACEP
(SEPTEMBER COURSE ONLY)
Professor & Director of Ultrasound
Emergency Medicine.
Ohio State University.
Columbus, Ohio.

SAVE!

Combine with the Advanced Emergency & Critical Care Ultrasound Course & \$AVE.

SAVE!

LIVE CRITICAL CARE COURSE (LIVE LECTURES + HANDS-ON)

INTRODUCTION TO CRITICAL CARE

February 25-26, 2020
September 15-16, 2020

CCU-201
CCU-202

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase participant's knowledge to better perform and/or interpret critical care ultrasound examinations.
2. State the basic fundamentals of ultrasound physics and demonstrate appropriate optimization of system controls.
3. Perform ultrasound evaluation of the trauma patient. (e-FAST Exam).
4. Demonstrate image orientation, transducer placement, and scan protocols for performing ultrasound evaluation of pneumothorax.
5. Demonstrate scan protocols for focused evaluation of the abdomen, aorta, and adult heart, and lower extremity DVT.
6. Demonstrate image orientation, transducer preparation, and scan protocols for performing ultrasound guided vascular access.
7. Differentiate normal/abnormal image characteristics of the abdomen and adult heart.
8. State an algorithm for assessing causes of shock and hypotension using bedside ultrasound.
9. Demonstrate protocols for performing thoracentesis, pericardiocentesis, paracentesis, and lumbar puncture.
10. Increase competence to incorporate protocols, scan techniques, and interpretation criteria into clinical practice.

COURSE FEATURES & TOPICS:

- ◆ Ultrasound-Guided Vascular Access
- ◆ Abdominal Scanning Fundamentals
- ◆ Focused 2D Cardiac Exam (F.A.T.E.)
- ◆ FAST & EFAST Exams
- ◆ Biliary and Renal Colic
- ◆ Evaluation of Cardiac Arrest, Shock & Hypotension
- ◆ Evaluation of Shock & Hypotension
- ◆ AAA & Case Studies
- ◆ Pericardiocentesis, Paracentesis
- ◆ Ultrasound Guided Procedures for Critical Care Hemothorax, Lumbar Puncture, ET
- ◆ Evaluation of DVT
- ◆ FREE Online Video: Imaging Fundamentals

WHO SHOULD ATTEND:

Physicians, sonographers, and any other medical professionals involved with performing critical care and point of care ultrasound examinations who prefer a traditional live lecture with hands-on scanning format.

CME CREDITS & TUITION:

AMA CAT. I	17.00	This course meets CME/CEU requirements for ARDMS, APCA & ABIM. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if register 14 days or less of course start date. Combine with Advanced Emergency Medicine / Critical Care Course & Save!				
ABIM MOC	17.00					
ACEP	17.00	ADVANCED REGISTRATION	\$1695	REGULAR REGISTRATION	\$1895	COMBINE WITH ADVANCED EM
						STARTING @ \$3345

FACULTY:



ALEXANDER LEVITOV, MD., FACC, RDCS
Eastern Virginia Medical School
Department of Internal Medicine
Division of Pulmonary & Critical Care Medicine
Norfolk, VA



JAMES MATEER, MD., RDMS
Physician
Waukesha Memorial Hospital
Clinical Professor
Dept. of Emergency Med. College
Waukesha, WI



DAVID BAHNER, MD, RDMS, FFAEM, FACEP
(SEPTEMBER COURSE ONLY)
Professor & Director of Ultrasound
Emergency Medicine.
Ohio State University.
Columbus, Ohio.



LORI GREEN, BA, RT(R), RDMS, RDCS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL



BRET NELSON, MD, RDMS, FACEP
(FEBRUARY COURSE ONLY)
Attending Physician
Director of Emergency Ultrasound
Mount Sinai Hospital
New York, NY

SAVE!

Combine with the Advanced Emergency Medicine and Critical Care Course & **SAVE!**

SAVE!

LIVE EMERGENCY MEDICINE COURSE (LIVE LECTURES + HANDS-ON)

ADVANCED EMERGENCY MEDICINE & CRITICAL CARE

February 27-28, 2020
September 17-18, 2020

ERCA-201
ERCA-202

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform and/or interpret Emergency Medicine and Critical Care Ultrasound Examinations.
2. Identify the sonographic characteristics associated with abdominal sepsis involving the hepatobiliary, renal and GI systems.
3. Outline indications and applications of color Doppler in the emergency and critical care setting.
4. Perform ultrasound evaluation of the lung, ocular, soft tissue, musculoskeletal & bony cortices in the Emergency Department. (EM Track)
5. Demonstrate the use of ultrasound guidance for peripheral vascular access.
6. State principles of spectral & cardiac Doppler fundamentals and apply quantitative methods to evaluate acute valvular abnormalities. (Critical Care Track)
7. Recognize the sonographic appearance of individual nerves and list the advantages provided when ultrasound is used for performing regional nerve blocks. (EM Track)
8. Evaluate fluid responsiveness in the critically ill patient.
9. Perform testicular ultrasound and recognize acute abnormalities. (EM Track)
10. Increase confidence to incorporate protocols, scan techniques, and interpretations criteria to improve diagnostic/treatment accuracy.

COURSE FEATURES & TOPICS: (2 TRACK OPTIONS: EMERGENCY MEDICINE OR CRITICAL CARE)

- ◆ Sonography in Shock & Source of Sepsis
- ◆ Fluid Responsiveness in the Critically Ill
- ◆ Advanced Non-Cardiac Chest
- ◆ Interactive Cases: What's your DX?
- ◆ Ultrasound-Guided Peripheral Vascular Access
- ◆ Sonography of the Acute Scrotum (EM Track)
- ◆ Nerve Blocks in the ED (EM Track)
- ◆ Advanced EM Applications / Procedures
- ◆ Cardiac Doppler & Focused Calculations Right Heart. (Critical Care Track)
- ◆ Echo Assessment of Cardiomyopathies & Heart & Heart Failure. (Critical Care Track)
- ◆ MI & Complications (Critical Care Track)
- ◆ Case/Scan Logs Available

WHO SHOULD ATTEND:

Physicians, sonographers, and any other medical professionals involved with performing advanced emergency, and critical care ultrasound examinations who have attended an introductory level program or have at least 6 months of clinical experience. This is a traditional course with live lectures and hands-on scanning workshops.

CME CREDITS & TUITION:

AMA CAT. I	16.50	This course meets CME/CEU requirements for ARDMS, APCA & ABIM. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if register 14 days or less of course start date. Combine with Intro. to Emergency Medicine or Critical Care Course & Save!			
ABIM MOC	16.50				
ACEP	16.50	ADVANCED REGISTRATION	\$1695	REGULAR REGISTRATION	\$1895
				COMBINE WITH INTRO EM OR CCU	STARTING @ \$3345

FACULTY:



ALEXANDER LEVITOV, M.D., FACP, FACCM, RDCS
Eastern Virginia Medical School
Department of Internal Medicine
Div. of Pulmonary & Critical Care Medicine
Norfolk, VA



ANDREAS DEWITZ, M.D., RDMS, FACEP
(FEBRUARY COURSE ONLY)
Vice Chair for Ultrasound Education
Associate Professor of Emergency Medicine
Boston University School of Medicine
Boston, MA



CHARLOTTE DERR, M.D., RDMS, FACEP
(SEPTEMBER COURSE ONLY)
Associate Program Director
Emergency Ultrasound Director
Assistant Professor, USF Emergency Medicine
Tampa, FL



JAMES MATEER, M.D., RDMS
Physician/Waukesha Memorial Hospital
Clinical Professor for the Department of
Emergency Medicine College
Waukesha, WI



LORI GREEN, BA, RT(R), RDMS, RDCS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL



DAN BOURQUE, MS, RCS, FASE
Orlando Regional Medical
Orlando, FL

LIVE EMERGENCY MEDICINE COURSE

U/S-GUIDED NERVE BLOCKS FOR EMERGENCY MEDICINE

April 3, 2020

EMNB-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge and competence to perform ultrasound-guided regional anesthesia for emergency medicine applications.
2. List the advantages of using ultrasound-guided nerve block techniques.
3. Demonstrate imaging techniques for performing ultrasound-guided upper extremities regional anesthesia nerve blocks.
4. Demonstrate imaging techniques for performing ultrasound-guided lower extremities regional anesthesia nerve blocks.
5. Perform PEC and TAP blocks using ultrasound guidance.
6. Increase confidence to incorporate protocols, scan techniques, and interpretation criteria to integrate the skills learned into clinical practice.

COURSE FEATURES & TOPICS:

- ◆ Overview of Needle Guidance Basics
- ◆ Indications & Applications for U/S-Guided Nerve Blocks
- ◆ Upper Extremity U/S-Guided Nerve Blocks
- ◆ Anatomic Territories / Interscalene Block
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Supraclavicular Brachial Plexus Block
- ◆ Forearm Nerve, Axillary & Cervical Plexus Blocks
- ◆ Lower Extremity U/S-Guided Nerve Blocks
- ◆ Femoral Nerve, S-FAST, Sciatic Nerve, Popliteal Blocks
- ◆ 3:1 Scan Ratio on Live Models & Phantoms
- ◆ Ankle Blocks, Tibial Nerve, Deep Peroneal & Sural
- ◆ TAP Block, PEC I, PEC II, & Serratus Anterior Blocks
- ◆ Billing & Coding, Case Studies
- ◆ Interactive Polling & Discussion + Scan Logs Available
- ◆ Case/Scan Logs Available

WHO SHOULD ATTEND:

Physicians, sonographers, and any other medical professionals involved with performing emergency, and point of care ultrasound examinations who have a background/foundation in POCUS. This is a traditional live lecture with hands-on scanning course. This course is also available as a live webinar: \$515.00 (no hands-on).

CME CREDITS & TUITION:

AMA CAT. I	8.25	This course meets CME/CEU requirements for ARDMS, APCA & ACEP. Advanced registration payment must be paid 30 or more days prior to course start date. Combine with UGVA Course & Save. Starting @ \$1940.					
ACEP	8.25	ADVANCED REGISTRATION	\$995	REGULAR REGISTRATION	\$1195	WEBINAR REGISTRATION	\$515

FACULTY:



CHARLOTTE DERR, M.D., RDMS, FACEP
Associate Program Director
Emergency Ultrasound Director
Assistant Professor, USF
Emergency Med. Residency
Program
Tampa, FL



ANDREAS DEWITZ, M.D., RDMS, FACEP
Assoc. Prof. of Emergency Med.
Vice Chair for Ultrasound Ed.
Dept. of Emergency Medicine
Boston U. School of Medicine
Boston Medical Center
Boston, MA

“A COURSE OF THIS CALIBER SHOULD BE MANDATORY FOR ALL EMERGENCY MEDICINE PHYSICIANS. AN AWESOME EXPERIENCE. VERY WELL WORTH IT. THANKS AGAIN GCUS.”

MICHAEL SHAFER, M.D.

A must attend ultrasound course for any physician or surgeon practicing in the point of care profession.

LIVE VASCULAR ACCESS COURSE (LIVE LECTURES + HANDS-ON)

ULTRASOUND-GUIDED VASCULAR ACCESS (UGVA)

April 2, 2020
August 3, 2020

UGVA-201
UGVA-202

COURSE OBJECTIVES:

Upon completion of the program, the participant should be able to:

1. Demonstrate the knowledge to better perform ultrasound-guided vascular access procedures.
2. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images.
3. List the advantages/disadvantages of the "In-Plane" & "Out-of-Plane" and the "Direct" vs. "Indirect" ultrasound-guided vascular access techniques.
4. Differentiate venous vs. arterial anatomy by the use of ultrasound.
5. Identify ultrasound imaging characteristics of vessels and contiguous anatomy to determine the optimal approach for vascular access.
6. Demonstrate the use of ultrasound guidance for Central Line vascular access.
7. Identify ultrasound imaging characteristics of vascular pathology that would indicate a vessel is not suitable for vascular access.
8. Demonstrate the use of ultrasound guidance for Peripheral Line vascular access.
9. Demonstrate competence to incorporate protocols, scan techniques, and interpretation criteria.

COURSE FEATURES & TOPICS:

- ◆ Ultrasound Imaging Fundamentals
- ◆ "Direct" vs. "Indirect" Techniques
- ◆ "In-plane" vs. "Out-of-plane" Techniques
- ◆ Principles of Vessel Differentiation
- ◆ Industry Leading Hands-On 3:1 Scan Ratio
- ◆ Central Line Placement
- ◆ Internal Jugular & Axillary/Subclavian
- ◆ Femoral Vein Access
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Why use Ultrasound Guidance
- ◆ Antecubital Vein Access & Peripheral Line Placement
- ◆ Additional Access Sites for the Pediatric Patient
- ◆ Clinical Case Studies
- ◆ Hands-On Sessions with Live Models & Phantoms
- ◆ Case/Scan Logs Available

WHO SHOULD ATTEND:

Physicians, sonographers, and any other medical professionals involved with performing vascular access procedures who prefer a traditional live lecture with hands-on scanning format.

CME CREDITS & TUITION:

AMA CAT. I	7.25	This course meets CME/CEU requirements for ARDMS, APCA, ACEP, AANA and ABIM. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if registered 14 days or less of course start date. *Note Webinar Credits are 3.75 for AMA PRA Category 1 Credits™. Combine with Nerve Block or Regional Anesthesia Course & Save. Starting @ \$1940					
ABIM MOC	7.25						
AANA	6.75						
ACEP	7.25	ADVANCED REGISTRATION	\$990	REGULAR REGISTRATION	\$1190	WEBINAR REGISTRATION	\$515

FACULTY:



ANDREAS DEWITZ, M.D., RDMS, FACEP
(APRIL COURSE ONLY)
Vice Chair for Ultrasound Education
Associate Professor of Emergency Medicine
Boston University School of Medicine
Boston, MA



LORI GREEN, BA, RT(R), RDMS, RDCS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL



CHARLOTTE DERR, M.D., RDMS, FACEP (AUGUST ONLY)
Associate Program Director
Emergency Ultrasound Director
Assistant Professor, USF Emergency Medicine
Tampa, FL

SAVE!

Combine with Ultrasound-Guided Regional Anesthesia or Nerve Block Courses (Only Available in April) & \$AVE.

SAVE!

LIVE REGIONAL ANESTHESIA COURSE (LIVE LECTURES + HANDS-ON)

ULTRASOUND-GUIDED REGIONAL ANESTHESIA

April 3, 2020

AES-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase knowledge and competence to perform ultrasound-guided regional anesthesia procedures.
2. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images.
3. Demonstrate imaging techniques for performing ultrasound-guided upper extremities regional anesthesia nerve blocks.
4. List the advantages of using ultrasound-guided nerve block techniques.
5. Identify and distinguish the topographic and cross-sectional brachial plexus anatomy.
6. Demonstrate imaging techniques for performing ultrasound-guided lower extremities anesthesia nerve blocks on live models.
7. Increase competence to incorporate protocols, scan techniques, and interpretation criteria to integrate the skills learned into clinical practice.
8. Perform PECC and TAP blocks using ultrasound guidance

COURSE FEATURES & TOPICS:

- ◆ Indications & Applications + Live Demos
- ◆ Supraclavicular & Infraclavicular Approach
- ◆ Truncal Blocks (Anatomy & Injections)
- ◆ Subcostal and Clascal TAP
- ◆ Axillary Plexus & Interscalene Approach
- ◆ Femoral Nerve & Fascia Iliac Blocks
- ◆ Saphenous/Adductor Canal Block
- ◆ Quadratus Lumborum (QL) Block
- ◆ Sciatic Nerve: Subgluteal & Popliteal Blocks
- ◆ Ankle Blocks: Tibial, Deep Peroneal, & Sural
- ◆ Emergency Medicine Applications
- ◆ PECS I & II (Serratus Plane Block)

WHO SHOULD ATTEND:

Physicians, sonographers, and any other medical professionals seeking to integrate ultrasound-guided regional anesthesia techniques for surgery, pain management, or procedural applications who prefer a traditional live lecture with hands-on scanning format.

CME CREDITS & TUITION:

AMA CAT. I	8.00	This course meets CME/CEU requirements for ARDMS. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if you register 14 days or less of course start date. Combine with the Ultrasound Guided Vascular Access Course to maximize your education and \$ave!		
AANA	7.25			
ADVANCED REGISTRATION	\$995	REGULAR REGISTRATION	\$1195	COMBINE WITH UGVA & SAVE STARTING @ \$1940

FACULTY:



PENDING AT PRESS TIME.
Call 727.363.4500
or log onto www.gcus.com
for Faculty information.

“I WANT TO THANK EVERYONE AT GCUS FOR THE FANTASTIC TRAINING AND A REALLY GOOD EXPERIENCE. I AM RECOMMENDING THAT ALL OF MY COLLEAGUES MAKE THE TRIP TO ST. PETE FOR THEIR OWN TRAINING. I WOULD NOT BE ABLE TO DO WHAT I'M DOING WITHOUT YOU.”

DAN MERGES, M.D.

SAVE!

Combine with Ultrasound-Guided Vascular Access Course & \$AVE.

SAVE!



BLENDED TRAINING COURSES

WHAT IS BLENDED EDUCATION?

With the extreme demands of today's medical professionals, **Gulfcoast Ultrasound Institute** can certainly understand that you may not have the flexibility in your schedule to attend one of our regularly scheduled live hands-on courses. In this case, you may be interested in our Blended Ultrasound Training Courses that combines one of our comprehensive Online Courses with a scanning skills workshop that features our industry leading 3:1 participant to faculty Hands-On Scan Workshops.

WHY CHOOSE BLENDED EDUCATION?

- 15 Months UNLIMITED Access to the Online Course.
- Same lectures from the comprehensive live courses.
- 1-Click accessible courses.
- Instant certificate generation upon completion.
- 3:1 (or less) scan ratios during the Hands-On Workshops.
- Original Blended/Hybrid Ultrasound Education Provider.
- Scan Logs and Case Logs are available upon request.
- Approachable expert faculty during Hands-On Workshops.
- Multiple Leading Manufacturer Ultrasound Equipment.
- Immediately Implement Skills Learned into Clinical Practice.
- Expand Diagnostic & Interventional Services Offered.
- AMA PRA Category 1 Credit(s)[™].
- ACCME Accredited with Commendation.

POINT OF CARE COURSES

- **Introduction to Emergency Medicine Ultrasound**
June 4-5 & November 19-20, 2020
Credits: 16.0 AMA Online Course - 12.0 AMA & ACEP Hands-On
\$2575 Early Tuition | \$2775 Regular Tuition
- **Introduction to Critical Care Ultrasound**
June 4 & November 19, 2020
Credits: 15.25 AMA Online Course - 6.0 AMA & ACEP Hands-On
\$1825 Early Tuition | \$2025 Regular Tuition
- **Advanced Emergency Medicine & Critical Care Ultrasound**
June 5 & November 20, 2020
Credits: 19.00 AMA Online Course - 6.0 AMA & ACEP Hands-On
\$1825 Early Tuition | \$2025 Regular Tuition
- **Trauma & Acute Care Ultrasound**
June 5 & November 20, 2020
Credits: 8.50 AMA Online Course - 6.0 AMA & ACEP Hands-On
\$1575 Early Tuition | \$1775 Regular Tuition
- **Ultrasound-Guided Vascular Access**
June 4 & November 19, 2020
Credits: 4.25 AMA Online Course - 6.0 AMA & ACEP Hands-On
\$1365 Early Tuition | \$1565 Regular Tuition
- **Ultrasound-Guided Nerve Blocks in Emergency Medicine**
June 5 & November 20, 2020
Credits: 4.00 AMA Online Course - 6.0 AMA & ACEP Hands-On
\$1365 Early Tuition | \$1565 Regular Tuition

- **Introduction & Advanced Emergency Medicine Ultrasound**
June 4-5 & November 19-20, 2020
Credits: 35.0 AMA Online Course - 12.0 AMA & ACEP Hands-On
\$3790 Early Tuition | \$3990 Regular Tuition
- **Introduction & Advanced Critical Care Ultrasound**
June 4-5 & November 19-20, 2020
Credits: 34.25 AMA Online Course - 12.0 AMA & ACEP Hands-On
\$3440 Early Tuition | \$3640 Regular Tuition
- **Ultrasound Guided Vascular Access & Nerve Blocks**
June 4-5 & November 19-20, 2020
Credits: 8.25 AMA Online Course - 12.0 AMA & ACEP Hands-On
\$2340 Early Tuition | \$2540 Regular Tuition

PRIMARY CARE COURSES

- **Introduction to Abdominal & Primary Care Ultrasound**
March 26, 2020
Credits: 17.25 AMA Online Course - 6.0 AMA Hands-On
\$2340 Early Tuition | \$2540 Regular Tuition
- **Introduction to OB/GYN Ultrasound**
March 27, 2020
Credits: 13.25 AMA Online Course - 6.0 AMA Hands-On
\$1975 Early Tuition | \$2175 Regular Tuition
- **Introduction to Abdominal & OB/GYN Ultrasound**
March 26-27, 2020
Credits: 30.50 AMA Online Course - 12.0 AMA Hands-On
\$3875 Early Tuition | \$4075 Regular Tuition

POINT OF CARE ULTRASOUND PRODUCTS

INTRO TO EM. & CRITICAL CARE U/S DVD COURSE PACK \$1,477 Optional: 21.25 AMA PRA Category 1 Credits™ CP-ED

**INTRODUCTION TO OB SONOGRAPHY: THE FIRST TRIMESTER** (52 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-OB1T DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-61-2

TOPICS:

- Embryology, Indications for Study Gestational Sac, Yolk Sac, Embryo
- Age Determination, Multiple Gestation Pregnancy, Amnionity and Chorionicity
- Placenta, CRL, Landmarks, Heartbeat, Bleeding, Ectopic, Complications
- Hydatidiform Mole, Abnormal/Adesent Sac

**ABDOMINAL SCANNING FUNDAMENTALS** (49 mins.)

LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-ABSFD DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-61-5

TOPICS:

- Overview of Abdominal Anatomy & Scan Orientation
- Normal Structural & Vascular Sonographic Characteristics/Scan Techniques
- Normal Measurement Values

**ULTRASOUND-GUIDED VASCULAR ACCESS** (133 mins.)

ANDREAS DEWITZ, M.D., RDMS, FACEP | \$225.00 | ADD \$25.00 FOR CME QUIZ
VL-UGVA4 DVD/ONLINE 3.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-41-4

TOPICS:

- Fundamentals of US-Guided Vascular Access
- Direct vs. Indirect Techniques
- In-Plane vs. Out-of-Plane Techniques
- Principles of Vessel Differentiation
- Central Line Placement
- Peripheral Line Placement
- Antecubital Access Sites
- Pediatric Vascular Access
- IJ, Axillary, Subclavian & Femoral Vein Access + More

**ULTRASOUND EVALUATION OF THE ABDOMINAL AORTA** **NEW** (42 mins.)

LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-AA3 DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-57-5

TOPICS:

- Purpose of Abdominal Aorta Sonography
- Primary Branches & Scan Techniques
- Routine Protocols, Measurements & Pathology

**ULTRASOUND IMAGING FUNDAMENTALS: THE BASICS** (65 mins.)

LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-IF3 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-47-6

TOPICS:

- Sound Generation & Basic Principles
- Transducers & Imaging Artifacts
- System Controls & Image Quality

**VENOUS ULTRASOUND FOR POINT OF CARE** (40 mins.)

LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-VPOC DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-88-2

SELECT TOPICS:

- Venous Anatomy/Physiology, Complete vs/ Focused Venous Exam
- Exam Techniques & Diagnostic Criteria for Eval. of Acute vs/ Chronic DVT

**CASES IN TRAUMA ULTRASOUND** **NEW** (52 mins.)

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TOPICS:

- Bladder Rupture
- Stab Wound to the Chest
- Traumatic Tendon Injury
- Splenic Injury
- Pericardial Effusion
- Fractures & Shoulder Dislocation
- Pneumothorax
- Foreign Body in Hand & Neck
- Traumatic Vision Loss
- Hemothorax
- Gun Shot Wound to Leg
- Head Injury with Vision Loss

**FOCUSED CARDIAC ULTRASOUND** (57 mins.)

JAMES MATEER, M.D., RDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-FCUS2 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-42-1

SELECT TOPICS:

- Focused Cardiac U/S Indications
- Focused Cardiac Ultrasound Protocols
- Cardiac Sonographic Anatomy
- Evaluation of LV Function
- Standard Imaging Views
- Standard Cardiac Measurements

**THORACIC ULTRASOUND: BASIC & ADVANCED TECHNIQUES** (71 mins.)

BRET NELSON, M.D., RDMS, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-TU DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-80-3

TOPICS:

- Lung Imaging Principles: Transducer Selection, Sound Interaction & Artifacts
- U/S Assessment of Pneumothorax, Pleural Effusion, A/B Lines & Pulmonary Edema

**FOCUSED ASSESSMENT WITH SONOGRAPHY IN TRAUMA (FAST)** (72 mins.)

BRET NELSON, M.D., RDMS, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-FAST2 DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-23-0

TOPICS:

- Ultrasound Evaluations of the Hemoperitoneum, Hemopericardium, Hemothorax and Pneumothorax

**RAPID ULTRASOUND FOR SHOCK & HYPOTENSION** **NEW** (33 mins.)

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VL-RUSH3 DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-99-5

TOPICS:

- Eval. of the Heart; Contractility & Effusions
- Eval. of the Aorta; Diameter
- Eval. of Inferior Vena Cava; Diameter & Variation
- Eval. for Pneumothorax
- Eval. of Morison's Pouch; FAST Exam, Free Fluid
- Eval. of DVT/Pulmonary Embolus

**U/S-GUIDED PROCEDURES FOR EMERGENCY MEDICINE & CRITICAL CARE** (55 mins.)

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VL-UECP2 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-44-5

TOPICS:

- Evaluation of Pneumothorax, Hemothorax & Pericardial Tamponade
- Ultrasound-Guided Procedures Including: Pericardiocentesis, Endotracheal Intubation, Thoracentesis, Paracentesis & Lumbar Puncture

**INTRODUCTION TO GYNECOLOGICAL SONOGRAPHY** (102 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$129.00 | ADD \$25.00 FOR CME QUIZ
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TOPICS:

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- Ligaments
- Uterus
- Musculature
- (Pouch of Douglas)
- Endometrium
- Bladder & Ureters
- Fallopian Tubes
- GYN Protocol
- Vagina
- Ovaries
- Transabdominal/Transvaginal Exam

**SCROTAL ULTRASOUND** (65 mins.)

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VL-ASC2 DVD/ONLINE 1.50 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-24-7

TOPICS:

- Scrotal Anatomy / Physiology
- Scrotal Pathology
- Normal Ultrasound Characteristics
- Epidymal Pathology & Trauma

**EMERGENCY DEPARTMENT ULTRASOUND CASE STUDIES** (58 mins.)

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VL-EDCS2 DVD/ONLINE 1.50 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-26-1

TOPICS:

- Tachycardiac Trauma
- Syncope & Shortness of Breath
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- Left Chest Stab Wound
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ADVANCED EM. & CRITICAL CARE U/S | DVD COURSE PACK \$678 Optional: 11.50 AMA PRA Category 1 Credits™ CP-ED

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TOPICS:

- Foreign Body Localization & Removal
- Ultrasound-Guided Abscess Localization
- Fracture Evaluation
- Evaluation of the Orbit
- Evaluation of Tendon Injury
- Evaluation of Joint Effusion

**ULTRASOUND EVALUATION OF THE APPENDIX & GI TRACT** (38 mins.)

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VL-AGI DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-54-7

TOPICS:

- Eval. of Pylorus, Intussusception, Small Bowel Obstruction, Appendix & Crohn's Disease
- Necrotizing Enterocolitis
- Diverticulitis / Pneumoperitoneum

**ULTRASOUND CASES IN EMERGENCY MEDICINE** (61 mins.)

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TOPICS:

- Spectrum of Cholecystitis
- Congestive Heart Failure / Pulmonary Edema
- Acute, Gangrenous, Perforated
- Foreign Body Localization / Renal Mass
- Emphysematous, Pyelonephritis
- Hypertrophic Pyloric Stenosis
- Diverticulosis / Diverticulitis
- Salivary Gland Duct Stone
- Endocarditis
- Flexor Tenosynovitis / Vitreous Hemorrhage

**THORACIC ULTRASOUND: BASIC & ADVANCED TECHNIQUES** (71 mins.)

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TOPICS:

- Lung Imaging Principles: Transducer Selection, Sound Interaction & Artifacts
- U/S Assessment of Pneumothorax, Pleural Effusion, A/B Lines & Pulmonary Edema

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TOPICS:

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- Effects of Doppler Angle
- Doppler Applications in POC Settings
- The Doppler Equation
- Doppler Instrumentation
- Doppler/Color Controls & How to Optimize

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TOPICS:

- Overview
- Interscalene, Supraclavicular, Brachial Plexus
- Case Studies
- Indications & Applications
- Axillary Plexus, Forearm, Cervical Plexus
- Billing & Coding

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TOPICS:

- Overview
- Anatomic Territories, Femoral Nerve, SFAST
- Case Studies
- Indications & Applications
- Sciatic Nerve, Ankle, TAP, PEDI & II + More
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TOPICS:

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- Lower Extremity Nerve Blocks: Anatomy, Scanning & Injection Techniques
- Truncal Blocks & Scanning Demonstrations



INTRODUCTION TO EMERGENCY MEDICINE ULTRASOUND

JAMES MATEER, MD., RDMS, BRETT NELSON, MD., RDMS, FACEP
CHARLOTTE DERR, MD., RDMS, FACEP | \$700.00

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TOPICS:

- Ultrasound Imaging Fundamentals
- Emergency U/S for OB Conditions
- Emergency U/S for GYN Conditions
- Ectopic Pregnancy
- Spontaneous Abortion
- Pelvic Inflammatory Disease & Masses
- Ultrasound-Guided Vascular Access
- Abdominal Scanning Fundamentals
- U/S in Trauma: e-FAST & FAST Exam
- Abdominal Cases: Renal
- Abdominal Cases: Biliary & AAA
- Focused Cardiac Ultrasound
- Rapid U/S Shock & Hypotension
- U/S-Guided Emergency & Critical Care
- Eval. of Deep Vein Thrombosis (DVT)



INTRODUCTION TO CRITICAL CARE ULTRASOUND

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LORI GREEN, BA, RT(R), RDMS, RDMS, RVT, BRETT NELSON, MD., RDMS, FACEP
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OC-CCU171 ONLINE COURSE 15.25 AMA PRA Category 1 Credits™

TOPICS:

- Imaging Fundamentals
- Abdominal Scan Fundamentals
- U/S Evaluation of the Aorta
- Focused Assessment in Trauma
- Intro. to Lung Ultrasound - The Basics
- Advanced Lung Applications
- Ultrasound-Guided Vascular Access
- Ultrasound-Guided Procedures
- Focused Cardiac Ultrasound
- Rapid U/S Shock & Hypotension (RUSH)
- Introduction to Cardiac Doppler
- Introduction to Evaluation of Heart Failure
- Venous Ultrasound for Point of Care Applications



ADVANCED EMERGENCY MEDICINE AND CRITICAL CARE ULTRASOUND

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JAMES MATEER, MD., RDMS, BRETT NELSON, MD., RDMS, FACEP
DENNIS AHERTON, RDMS, RCT, RRT, ACS, FASE, DANIEL BOURQUE, MS, BS, RCS, FASE
LORI GREEN, BA, RT(R), RDMS, RDMS, RVT | \$730.00

OC-AEM152 ONLINE COURSE 19.00 AMA PRA Category 1 Credits™

TOPICS:

- Focused Cardiac U/S
- Intro. to Cardiac Doppler U/S
- Cardiomyopathies
- Pericardial Effusions & Cardiac Masses
- Heart Failure & Left Ventricular Dysynchrony
- Eval. of Coronary Artery Disease
- Adv. Lung U/S Applications
- Hydration Status/Fluid Responsiveness
- Sonography in Shock & Sepsis
- Adv. U/S-Guided Procedures
- U/S-Guided Peripheral Vascular Access
- Doppler & Color Flow Imaging
- Sonography of the Acute Scrotum
- Nerve Blocks in Emergency Medicine



TRAUMA & ACUTE CARE SONOGRAPHY (NEW)

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OC-UTR191 ONLINE COURSE 8.50 AMA PRA Category 1 Credits™

TOPICS:

- Imaging Fundamentals - The Basics
- Abdominal Scanning Fundamentals
- U/S in Trauma: FAST & e-FAST Exam
- U/S-Guided Vascular Access in Trauma
- U/S-Guided Nerve Blocks
- Soft Tissue/MSK Applications
- Focused Cardiac Ultrasound
- Cases in Trauma Ultrasound



ULTRASOUND-GUIDED VASCULAR ACCESS: A COMPREHENSIVE GUIDE

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TOPICS:

- Fundamentals of UGVA
- U/S Guided Peripheral Line Placement
- Direct vs. Indirect Techniques
- In Plane vs. Out of Plane Techniques
- Vessel Differentiation & Procedural Tips
- U/S-Guided Central Line Placement
- IJ, Axillary/Subclavian & Femoral Vein Access
- Why use Ultrasound Guidance?
- Peripheral Line Placement
- Antecubital Vein Access
- Additional Access Sites
- Pediatric Patient
- Clinical Cases
- Ultrasound Probe Cover Demo



U/S-GUIDED NERVE BLOCKS FOR EMERGENCY MEDICINE (HOT ITEM)

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TOPICS:

- Imaging Fundamentals - The Basics
- U/S-Guided Regional Anesthesia
- Upper Extremity Nerve Blocks
- Upper Extremity Nerve Blocks
- Miscellaneous Nerve Blocks
- Reimbursement



STARTING A POINT-OF-CARE ULTRASOUND PROGRAM

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TOPICS:

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- Finances of an Ultrasound Program
- Purchasing an Ultrasound System
- Factors to Consider
- Evaluating Mechanism
- Image Archiving / Quality Assurance
- Setting up a Program
- Who Scans and Who Reviews
- Communication / Documentation
- Timelines, Training & Credentialing
- Navigating Department Support
- Q & A and Panel Discussions



FOCUSED ECHOCARDIOGRAPHY

JAMES MATEER, MD., RDMS, LORI GREEN, BA, RDMS, RDMS, RVT

DAN BOURQUE, MS, RCS, FASE, CHRISTIE JORDAN, BS, RDMS, RCS, RCS, FASE | \$750.00

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TOPICS:

- Echo Imaging Fundamentals
- Anatomy of the Heart and EKG
- 2D Eval. of Cardiac Anatomy
- M-Mode & 2D Measurements
- Cardiac Doppler Ultrasound
- 2-D, Color & Doppler Echo Protocol
- Live Demo 2D and Color flow Doppler
- Pericardial Disease
- Cardiomyopathies and Heart Failure
- Coronary Artery Disease
- Shock and Hypotension
- Case Studies

EMERGENCY MEDICINE & CRITICAL CARE ULTRASOUND BOOKS



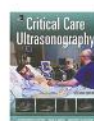
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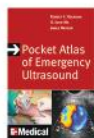
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ANTHONY SLONIM, MD., DRPH, FCCM | \$175.00

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- All-Inclusive Review of Optimal Use & Interpretation of Ultrasonographic images in everyday Critical Care Practice
- Ultrasound Principles & Eval. of the Head, Chest, MSK & U/S-Guided Procedures



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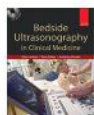
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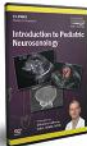
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- System Controls & Image Quality



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- Scan Protocols & Normal Characteristics
- Neural Tube Disorders
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TOPICS:

- Basic Principles & Consolidation
- A & B Lines & Pleural Effusion
- Sound Interaction/Imaging Artifacts
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- Pneumothorax & Pleural Effusion
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- Ureteroceles & Hemorrhage
- Renal Cystic & Inflammatory Disease
- Scanning Techniques
- Renal Variants & Congenital Obstructions
- Adrenals, Tumors & Neoplasms



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TOPICS:

- Indications for Performing Hip U/S
- Developmental Dysplasia & Embryology
- Normal Hip Anatomy
- Scanning Infants in Pavlik Harness
- Two-Step Dynamic Technique
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- Hypertrophic Pyloric Stenosis
- Biliary Atresia
- Intussusception
- Choledochal Cyst
- Malrotation
- Acute Abdomen
- Duplication Cyst
- Meckel's Diverticulum
- Appendicitis
- Liver Masses
- Trauma



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VL-ABSF DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-61-5

TOPICS:

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- Normal Structural & Vascular Sonographic Characteristics/Scan Techniques
- Normal Measurement Values



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VL-PTN DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-97-1

TOPICS:

- Normal Neck & Thyroid: Anatomy & Physiology
- Benign and Malignant Findings
- Diffuse Disease: Hashimoto's and Graves' Disease
- Imaging Protocol
- Nodular Disease, Goiter
- Parathyroid



ULTRASOUND EVALUATION OF THE NEONATAL SPINE ****NEW**** (50 mins.)
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VL-PSU2 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-02-6

TOPICS:

- Normal Developmental Anatomy
- Congenital Obstructions
- Ultrasound Scanning Techniques
- Renal Cystic & Inflammatory Disease
- Renal Variants / Ureteroceles
- Adrenals and Hemorrhage
- Congenital Anomalies
- Tumors and Neoplasms

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TOPICS:

- Sound Generation & Basic Principles
- Transducers & Imaging Artifacts
- System Controls & Image Quality



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TOPICS:

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- Eval. of Cardiac Contractility
- Tamponade
- Standard Imaging Views
- Evaluation of LV Function
- Cardiac Arrest
- Focused Cardiac Anatomy
- Eval. of Pericardial Effusion
- Volume Assessment



ABDOMINAL SCANNING FUNDAMENTALS (49 mins.)
LORI GREEN, BA, RT(R), RDMS, RDCS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-ABSF DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-61-5

TOPICS:

- Primary abdominal anatomical landmarks
- Anatomy overview and orientation
- Scan Orientation: longitudinal, transverse, & coronal views & patient positioning
- Normal structural & vascular sonographic characteristics



SCROTAL ULTRASOUND IN THE PEDIATRIC EM PATIENT ****NEW**** (35 mins.)
DAVID TENG, M.D. | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PSEM DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-11-8

TOPICS:

- Ultrasound Eval. of Hydrocele
- Ultrasound Eval. of Inguinal Hernia
- Ultrasound Eval. of Testicular Torsion
- Ultrasound Eval. of Infiltrative Disease



SHOCK AND HYPOTENSION IN CHILDREN: RUSH PROTOCOL ****NEW**** (44 mins.)
STEPHANIE DONIGER, M.D., RDMS, FAAP, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PRUSH DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-30-8

TOPICS:

- Heart Contractility & Effusion
- Abdominal Aorta: Diameter
- Inferior Vena Cava, Diameter & Variation
- Pneumothorax & Effusions
- Morison's Pouch; FAST Exam & Free Fluid
- Pulmonary Edema



SOFT-TISSUE & MSK ULTRASOUND IN THE PEDIATRIC PATIENT ****NEW**** (45 mins.)
STEPHANIE DONIGER, M.D., RDMS, FAAP, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PSM3 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-00-2

TOPICS:

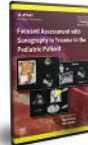
- Cellulitis & Abscess
- Foreign Body Localization & Removal
- Necrotizing Fasciitis
- Tendon Injuries, Joint Effusion & Dislocations
- Fracture Evaluation & Reduction
- Ultrasound-Guided Nerve Blocks



GI TRACT ULTRASOUND IN PEDIATRIC EMERGENCY ****NEW**** (71 mins.)
STEPHANIE DONIGER, M.D., RDMS, FAAP, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PGIEM DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-07-1

TOPICS:

- Indications, applications, & limitations of U/S Eval. of the Pediatric GI Tract
- Scan techniques, protocols & diagnostic criteria associated with the U/S evaluation of the Pediatric GI Tract
- Ultrasound Evaluation of the Appendix, Intussusception & Pyloric Stenosis



F.A.S.T. EXAM IN THE PEDIATRIC PATIENT ****NEW**** (46 mins.)
DAVID TENG, M.D. | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PFAST DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-06-4

TOPICS:

- Ultrasound Eval. of Hemoperitoneum
- Ultrasound Eval. of Hemothorax
- Ultrasound Eval. of Hemopericardium
- Ultrasound Eval. of Pneumothorax



ADVANCED THORACIC ULTRASOUND FOR THE PEDIATRIC PATIENT ****NEW**** (52 mins.)
BRET NELSON, M.D., RDMS, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PATA DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-33-9

TOPICS:

- Intubation: Trachea vs Esophagus
- BLUE Protocol
- Lung Consolidation
- FALLS Protocol



PEDIATRIC ULTRASOUND-GUIDED PROCEDURES ****NEW**** (51 mins.)
STEPHANIE DONIGER, M.D., RDMS, FAAP, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PUGP DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-31-5

TOPICS:

- Patient & Probe Preparation
- Central & Peripheral Lines
- In plane & Out of Plane Techniques
- Lumbar Puncture



HEAD & NECK ULTRASOUND IN THE PEDIATRIC EMERGENCY PATIENT ****NEW**** (31 mins.)
STEPHANIE DONIGER, M.D., RDMS, FAAP, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PHNEM DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-13-2

TOPICS:

- Endotracheal Tube Placement
- Peritonsillar Abscess
- Lymph Node Evaluation
- Swallowed Con Location
- Neck Abscess
- Thyroid Mass
- Lymphoma, Cat Scratch
- Parotitis & Ear Abscess
- Bartonella, & Ocular
- Sjogrens, Sosis, & Sinuses
- Lemierre's Syndrome
- Branchial Cleft Cysts
- Thyroglossal Duct Cysts
- Cystic Hygroma
- Fibromatosis Coli



FOCUSED GENITOURINARY ULTRASOUND IN THE PEDIATRIC EM PATIENT ****NEW**** (35 mins.)
DAVID TENG, M.D. | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PGUEM DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-12-5

TOPICS:

- Eval. of the Normal Kidneys & Urinary Bladder
- Evaluation of Renal Stones
- Eval. of Renal Cysts and Hydronephrosis
- Evaluation of Renal Masses

POINT OF CARE ULTRASOUND PRODUCTS

U/S PHYSICS GENERAL & DOPPLER | DVD COURSE PACK \$295

Optional: 4.25 AMA PRA Category 1 Credits™

CP-PHYS



ULTRASOUND IMAGING FUNDAMENTALS: THE BASICS ****NEW**** (65 mins.)
LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-IF3 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-47-6
TOPICS:
• Sound Generation & Basic Principles
• Transducers & Imaging Artifacts
• System Controls & Image Quality



INTRODUCTION TO CARDIAC DOPPLER ULTRASOUND (52 mins.)
DANIEL BOURQUE, MS, RCS, FASE | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-50-CD DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-934864-97-5
TOPICS:
• Indications for Doppler Echocardiography
• Doppler Effect & Principles
• Basic Spectral Doppler Concepts
• Doppler Instrumentation
• Valve Sampling
• Doppler Measurements & Normal Valves
• Doppler Eval. of Mitral, Aortic, Tricuspid, & Pulmonic Valves
• Pulmonary Venous Flow
• Non-Imaging Pedoff Windows
• Tissue Doppler Imaging
• Normal & Abnormal Heart Sounds



DOPPLER & COLOR FUNDAMENTALS: VASCULAR ULTRASOUND (94 mins.)
LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-DP2 DVD/ONLINE 2.00 AMA PRA Category 1 Credits™ ISBN # 978-1-40954-60-8
TOPICS:
• Doppler Principles / Doppler Equation
• Doppler Interrogation Angle
• Doppler Instrumentation
• Doppler Artifacts
• Optimization of Doppler / Color Controls
• Color Assignment
• Power Doppler Indications & Applications

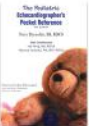
PEDIATRIC ULTRASOUND BOOKS



PEDIATRIC EMERGENCY & CRITICAL CARE AND ULTRASOUND 1ST ED. (367 pgs.)
STEPHANIE DONIGER, MD, RDMS, FAAP, FACEP | \$135.00
PECU1 HARDBACK BOOK ISBN # 978-1-107-06234-4 Cambridge Univ. Press
TOPICS:
• Principles of ultrasound, its diagnostic application in all organ systems, and its use as a procedural adjunct.
• Well established & innovative applications described assisting in incorporating into daily practice, facilitating patient care, & decreasing radiation exposure.



NEONATAL BRAIN PROTOCOL MANUAL
KRISTIN DYKSTRA-DOWNEY, AS, RT(R), RDMS | \$69.95
NC-PM-NB MANUAL/DVD ISBN # 978-1-945749-34-6
TOPICS:
• Step by Step Protocol for Neonatal Brain Ultrasound Exams
• Includes Written Protocol Manual with Images & Online Video Demonstration
• Patient Preparation, Physical Assessment & Appropriate Transducer Selection for performing an Ultrasound Evaluation of the Neonatal Brain



THE PEDIATRIC ECHOCARDIOGRAPHER'S POCKET REFERENCE 3RD ED. (409 pgs.)
TERRY REYNOLDS, BS, RDGS | \$79.95
PEPR SPIRAL BOUND BOOK ISBN # 978-0963576774
TOPICS:
• Updated Material, More Diagrams & Inclusion of 2D & Cardiac Doppler
• Examples, with a more complete How-To Measurement & Calculations Section



CONGENITAL HEART DEFECTS, SIMPLIFIED 2ND ED. (122 pgs.)
KEN HEIDEN, RDGS (AE, PE), RVT | \$149.95
CHDS2 SPIRAL BOUND BOOK 30.0 SDMS CME Credits™
ISBN # 978-0-692-88537-6 www.heartdefectssimplified.com
TOPICS:
• 30 Most Common Heart Defects, other Syndromes & Conditions of Congenital Heart Disease

PEDIATRIC ULTRASOUND ONLINE COURSES



INTRODUCTION TO PEDIATRIC ULTRASOUND
STEPHANIE DONIGER, MD, RDMS, FAAP, FACEP LORI GREEN, BA, RT(R), RDMS, RDGS, RVT
BRET NELSON, MD, RDMS, FACEP MICHAEL HULSE, MD, SALVATORE LARUSSO, MED, RDMS, FAJRM, RT(R) THERESA JORGENSEN, RDMS, RDGS, RVT | \$780.00
OC-PED-101 ONLINE COURSE 15.00 AMA PRA Category 1 Credits™
TOPICS:
• Ultrasound Imaging Fundamentals
• Abdominal Sonography Anatomy
• Focused Assessment in Trauma (FAST)
• U/S Eval. Appendix & Pediatric GI Tract
• U/S Eval. Pediatric Genitourinary System
• U/S Eval. Acute Scrotum
• Pediatric Ultrasound Case Studies
• Introduction to Lung Ultrasound
• U/S Eval. Neonatal Spine
• U/S Eval. Pediatric Hip
• Intro. to Pediatric Neurosonology
• Soft Tissue & MSK Ultrasound



PEDIATRIC EMERGENCY & CRITICAL CARE ULTRASOUND ****NEW****
STEPHANIE DONIGER, MD, RDMS, FAAP, FACEP BRET NELSON, MD, RDMS, FACEP
DAVID TENG, MD, & LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$610.00
OC-PECC191 ONLINE COURSE 14.75 AMA PRA Category 1 Credits™
TOPICS:
• Imaging Fundamentals: The Basics
• Pediatric E-FAST Exam
• Eval. of the Pediatric Genitourinary System
• Ultrasound of the Scrotum/Testicular
• Emergency U/S of the Appendix & GI Tract
• Abdominal Ultrasound Case Studies
• Focused Cardiac Assessment of the Patient
• Shock & Hypotension (RUSH Protocol)
• Advanced Thoracic Applications
• Ultrasound-Guided Procedures
• Soft Tissue & MSK Ultrasound
• Ultrasound Evaluation of DVT
• Pediatric Head & Neck

TRAUMA ULTRASOUND



RAPID ULTRASOUND FOR SHOCK & HYPOTENSION ****NEW**** (33 mins.)
BRET NELSON, MD, RDMS, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-RUSH3 DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-99-5
TOPICS:
• Eval. of Heart; Contractility & Effusions
• Eval. of the Aorta; Diameter
• Eval. of Inferior Vena Cava; Diameter & Variation
• Eval. for Pneumothorax
• Eval. of Morison's Pouch; FAST Exam, Free Fluid
• Eval. of Effusions & DVT



TRAUMA ULTRASOUND FOR THE SONOGRAPHER (49 mins.)
LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-TUFS DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-92-9
TOPICS:
• FAST Examination
• Lung Ultrasound: Pneumothorax, Pleural Effusion, & Pulmonary Edema
• Evaluation of the source of Shock & Hypotension
• Use of Ultrasound in Cardiac Arrest
• Ocular Trauma
• Use of Ultrasound in Fracture Assessment



CASES IN TRAUMA ULTRASOUND ****NEW**** (52 mins.)
CHARLOTTE DERR, MD, RDMS, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-CTRU2 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-17-0
TOPICS:
• Bladder Rupture & Spenic Injury
• Leg Gun Shot Wound
• Pneumothorax / Hemothorax
• Traumatic Tendon Injury
• Chest Stab Wound
• Fracture & Shoulder Dislocation
• Pericardial Effusion
• Traumatic Vision Loss
• Foreign Body in Hand & Back
• Head Injury with Vision Loss



TRAUMA ULTRASOUND PROTOCOL MANUAL WITH ONLINE VIDEO DEMO
MARK SWANSON, RT, RDMS, RVT LORI GREEN, BA, RT(R), RDMS, RDGS, RVT
JAMES MATEER, MD, RDMS | \$99.95 | ADD \$25.00 FOR CME QUIZ
PM-T BOOKLET + ONLINE 4.00 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-11-7
TOPICS:
• FAST & E-FAST Exams
• RUSH Exam
• Ocular Ultrasound
• Fracture Assessment
• Foreign Body Detection
• DVT 2 Point Exam



FAST EXAM
THERESA JORGENSEN, RDMS, RDGS, RVT | \$14.95
PR-FAST POCKET REFERENCE
OVERVIEW:
18 page spiral bound laminated pocket reference. The FAST Exam Pocket Reference review critical ultrasound anatomy, normal values, transducer positioning hints and common abnormal findings in a compact, simple, easy to use, pocket reference guide that fits in your lab coat or scrub pocket.



FOCUSED ECHO EXAM
THERESA JORGENSEN, RDMS, RDGS, RVT | \$14.95
PR-FEE POCKET REFERENCE
OVERVIEW:
18 page spiral bound laminated pocket reference. The Focused Echo Exam Pocket Reference review critical ultrasound anatomy, normal values, transducer positioning hints and common abnormal findings in a compact, simple, easy to use, pocket reference guide that fits in your lab coat or scrub pocket.

ABDOMINAL, PRIMARY CARE & WOMEN'S HEALTH~OB/GYN CME



“IT WAS A VERY BENEFICIAL COURSE FOR ME, AND WILL ASSIST ME WITH PATIENT MANAGEMENT AND ARRIVING MORE QUICKLY AT A DIAGNOSTIC CRITICAL DECISION.”

JOHN MABAYOJE, M.D.

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“GREAT HANDS-ON COURSE ON ABDOMINAL SCANNING. THE STAFF WERE AMAZINGLY KNOWLEDGEABLE & COURTEOUS. THANK YOU.”

SHELDON RIKLON, M.D.

“ONE OF MANY [STUDY ACTIVITIES] I HAVE DONE WITH GULF COAST ULTRASOUND INSTITUTE, AND ALL HAVE BEEN GREAT. I COULDN'T EVEN IMAGINE GOING ELSEWHERE.”

HAROLD YOUNG, M.D.

PRIMARY CARE

LIVE ABDOMINAL & PRIMARY CARE COURSE (LIVE LECTURES + HANDS-ON)

INTRO TO ABDOMINAL & PRIMARY CARE ULTRASOUND

November 9-11, 2020 A-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase participant's knowledge to better perform and/or interpret abdominal ultrasound examinations.
2. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images.
3. Perform scan protocols and routine measurements that are utilized during an abdominal ultrasound evaluation.
4. Identify normal/abnormal imaging characteristics of the liver, gallbladder, pancreas, spleen, kidneys and abdominal vasculature.
5. Cite Doppler/color physics principles and be able to (sonographers) apply these principles to optimize system controls or (physicians) utilize this information for identifying technical errors which may result in misdiagnosis (optional lecture).
6. Demonstrate routine examination protocols associated with the ultrasound evaluation of renal artery stenosis (optional lecture).
7. Differentiate normal/abnormal characteristics for the evaluation of the thyroid, testes/scrotum, and appendix.
8. Perform ultrasound evaluation of the trauma patient (E-FAST Exam).
9. Demonstrate the use of ultrasound for evaluation of soft-tissue pathology.
10. Increase confidence to incorporate protocols, scan techniques and interpretation criteria to improve diagnostic/treatment accuracy.

COURSE FEATURES & TOPICS:

- ◆ Abdominal Anatomy/Scan Techniques
- ◆ Abdominal Aorta/Case Studies
- ◆ Abdominal Doppler/Color Fundamentals
- ◆ Liver, Gallbladder & Biliary Tree Sonography
- ◆ E-FAST Exam (Trauma)
- ◆ Soft Tissue & MSK Applications
- ◆ Spleen, Pancreas, Thyroid, Renal & Scrotal U/S
- ◆ U/S Evaluation of the Appendix and GI Tract
- ◆ Renal Sonography
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Liver, Gallbladder & Biliary Tree Pathology
- ◆ 3:1 Hands-On Scanning with Live Models

WHO SHOULD ATTEND:

Physicians, sonographers and other medical professionals learning how to perform abdominal sonography who prefer a traditional live lectures with hands-on scanning format. Also, physicians who are at an entry level of interpreting examinations. Physician participants may include (but are not limited to) those involved with: internal medicine, emergency medicine, family practice, gastroenterology, and urology.

CME CREDITS & TUITION:

AMA CAT. I	23.50	ABIM MOC	23.50	This course meets CME/CEU requirements for ARDMS, APCA, ACEP & ABIM. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if register 14 days or less of course start date.	
ACEP	23.50				
ADVANCED	\$1940	REGULAR	\$2140	COMBINE WITH OB/GYN COURSE	STARTING @ \$3870
				SEE BLENDED COURSE OPTION ON PAGE 40.	

FACULTY:



EMILY DOWNS, BS, RDMS, RVT, RDGS, RT
Program Director
Diagnostic Medical Sonography
Program of Denver
Denver, CO



LORI GREEN, BA, RT(R), RDMS, RDGS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL



CHARLOTTE DERR, M.D., RDMS, FACEP
Associate Program Director
Emergency Ultrasound Director
Assistant Professor, USF
Emergency Medicine
Tampa, FL



TRISHA REO, RDMS, RVT
Program Coordinator
Gulfcoast Ultrasound Institute
St. Petersburg, FL

“GREAT COURSE! I DID LEARN A LOT AND ALSO REALIZED THAT IF YOU KNOW YOUR ANATOMY, SCANNING DOES BECOME MORE LOGICAL AND MORE DELIBERATE INSTEAD OF MERELY SEARCHING.”

BRITTNEY KRAMER, RT(R)

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Combine with the Introduction to OB/GYN Ultrasound Course & \$AVE!

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LIVE WOMEN'S HEALTH COURSE (LIVE LECTURES + HANDS-ON)

INTRODUCTION TO OB/GYN ULTRASOUND

November 12-13, 2020

OE-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participants' knowledge to better perform and/or interpret gynecology and obstetrical ultrasound examinations.
2. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images.
3. Demonstrate routine scan protocols for performing transabdominal & endovaginal GYN scanning.
4. Outline routine scan protocols for performing 1st, 2nd, & 3rd trimester obstetric ultrasound exams.
5. State the normal and abnormal imaging characteristics of the ovaries and uterus and differentiate commonly seen pathology.
6. List the indications and ultrasound findings for suspicion of an ectopic pregnancy.
7. Identify normal fetal anatomy and perform biophysical profile.
8. Apply appropriate measurement techniques to assess fetal dates & appropriate fetal development.
9. Recognize commonly seen fetal abnormalities and their corresponding ultrasound imaging characteristics.
10. Increase confidence to incorporate protocols, scan techniques, and interpretation criteria to improve diagnostic/treatment accuracy.

COURSE FEATURES & TOPICS:

- ◆ Imaging Fundamentals
- ◆ Scan Protocol (TAS and TVS)
- ◆ GYN Anatomy & Pathology
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Fetal Survey & Biometry
- ◆ First Trimester Ultrasound
- ◆ Placenta, Cervix, BPP & Twins
- ◆ Industry Leading Hands-On 3:1 Scan Ratio
- ◆ Fetal Abnormalities
- ◆ Case Studies
- ◆ 3:1 Scan Ratio with Live Models (OB & GYN)
- ◆ Case/Scan Logs Available

WHO SHOULD ATTEND:

Sonographers and other medical professionals involved in performing OB/GYN ultrasound exams. Physicians at an entry level of interpreting and performing OB/GYN exams. Physician participants may include (*but are not limited to*) those involved with OB/GYN, family practice, and emergency medicine. Nurse practitioners, Physician Assistants, and midwives may also attend.

CME CREDITS & TUITION:

AMA CAT. I	15.00	This course meets CME/CEU requirements for ARDMS, APCA, ACEP and ARRT. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date. \$200 late fee if register 14 days or less of course start date.			
ASRT	16.00				
ACEP	15.00				
ADVANCED	\$1975	REGULAR	\$2175	COMBINE WITH ABDOMINAL COURSE	STARTING @ \$3870
				SEE BLENDED COURSE OPTION ON PAGE 40.	

FACULTY:



EMILY DOWNS, BS, RDMS, RVT, RDGS, RT
Program Director
Diagnostic Medical Sonography
Program of Denver
Denver, CO



AHMED M. AL-MALT, M.D.
Director, Fetal Diagnostic
Center of Orlando
Orlando, FL



JANE BURNS, AS, RT, RDMS
Perinatal/Education Sonographer
DmsProLLC.
St. Joseph, MN.

“I ENJOYED USING THE TRANSPONDERS. I ALSO LIKED THE TESTS IN THE OB/GYN BOOK TO TEST THE INFO WE LEARNED IN THAT SECTION. THIS IS A GREAT PROGRAM.”

CRISTAL SENE, RT(R)

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Combine with the Introduction to Abdominal & Primary Care Ultrasound Course & \$AVE!

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ABDOMINAL/PRIMARY CARE ULTRASOUND PRODUCTS

INTRO TO ABDOMINAL ULTRASOUND | DVD COURSE PACK \$830

Optional: 13.00 AMA PRA Category 1 Credits™

CP-ABD



ULTRASOUND IMAGING FUNDAMENTALS: THE BASICS ****NEW**** (65 mins.)

LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-IF3 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-47-6

TOPICS:

- Sound Generation & Basic Principles
- Transducers & Imaging Artifacts
- System Controls & Image Quality



NORMAL LIVER, GALLBLADDER, BILIARY TREE & SPLEEN SONOGRAPHY ****NEW**** (92 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$129.00 | ADD \$25.00 FOR CME QUIZ
BRIAN SCHENKER MBA, RDMS, RVT | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-LGBS2 DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-67-4

TOPICS:

- Liver Anatomy
- Relational Anatomy
- Lab Values
- Lobes, Segments
- Portal-Hepatic Vasculature
- GB Anatomy/Physiology
- Fissures & Ligaments
- Liver/Gallbladders Scan Protocols
- Spleen Anatomy/Physiology

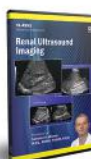


ULTRASOUND EVAL. OF THE LIVER, GALLBLADDER & BILIARY TREE PATHOLOGY ****NEW**** (88 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-LGBP2 DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-75-9

TOPICS:

- U/S Eval. of the Liver including: Fatty Infiltration, Acute & Chronic Hepatitis, Cirrhosis, Cysts, Abscesses, Hematoma, Tumor, Metastatic disease, HCC, & Portal Hypertension
- U/S Eval. of the Gallbladder & Biliary Tree: Gallbladder Sludge, Cholecystitis, Extrahepatic Obstruction, Intrahepatic Obstruction, Suprapancreatic Obstruction, Klatskin Tumor, Choledochal Lithiasis, Pneumobilia, Ascariasis, GB Polyps, & Choledochal Cysts



RENAL ULTRASOUND IMAGING (68 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-REN2 DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-68-1

TOPICS:

- Renal Anatomy/Physiology
- Renal Scan Techniques
- Renal Variants & Medical Renal Disease
- Renal Pathology: Cystic Disease, Medullary Sponge Kidney, Benign & Malignant Masses, Hydronephrosis & Calcifications



ABDOMEN & RETROPERITONEUM ULTRASOUND PROTOCOL MANUAL (51 mins.)

THERESA JORGENSEN, RDMS, RDGS, RVT | \$69.95 | ADD \$25.00 FOR CME QUIZ
PM-ABD2 BOOKLET/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-24-0

TOPICS:

- Instrumentation & Indications
- Documentation
- Exam Purpose, Limitations & Contraindications
- The Complete Abd. Exam
- Patient Preparation
- The FAST Exam in Trauma
- Scanning Planes
- References



ABDOMINAL SCANNING FUNDAMENTALS (49 mins.)

LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-ABSF DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-61-5

TOPICS:

- Primary Abdominal Anatomical Overview, Landmarks & Orientation
- Scan Orientation: Longitudinal Transverse, & Coronal Views & Patient Positioning
- Normal Structural & Vascular Sonographic Characteristics
- Abdominal Vasculature - Orientation & Scan Techniques
- Normal Measurement Values

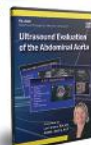


ULTRASOUND EVALUATION OF THE PANCREAS ****NEW**** (53 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-PAN2 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-72-8

TOPICS:

- Pancreas Anatomy/Physiology
- Normal Pancreas Sonographic Characteristics
- Scan Techniques
- U/S Eval. of Commonly Seen Pancreatic Pathology
- Pancreatic Valvular Landmarks
- Case Presentations



ULTRASOUND IMAGING OF THE ABDOMINAL AORTA (41 mins.)

LORI GREEN, BA, RT(R), RDMS, RDGS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-AA3 DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-57-5

TOPICS:

- Purpose of Abdominal Aorta Sonography
- Primary Branches
- Scan Techniques
- Routine Protocols and Measurements
- Pathology



ULTRASOUND EVALUATION OF THE APPENDIX & GI TRACT (38 mins.)

CHARLOTTE DERR, MD, RDMS, FACEP | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-AGI DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-54-7

TOPICS:

- U/S Eval. of the Pylorus
- U/S Eval. of Intussusception
- U/S Eval. of Small Bowel Obstruction
- Necrotizing Enterocolitis
- U/S Eval. of the Appendix
- U/S Eval. of Chron's Disease
- Diverticulitis
- Pneumoperitoneum



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—Martin Alswang, MD
(Pediatric Emergency Medicine & Critical Care Participant)

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PRIMARY CARE ULTRASOUND PRODUCTS

INTRO TO OB/GYN ULTRASOUND | DVD COURSE PACK \$1009

Optional: 18.75 AMA PRA Category 1 Credits™

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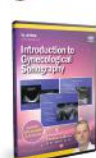


GYNECOLOGICAL ULTRASOUND PROTOCOL MANUAL 2ND ED. ****NEW****

BRIAN SCHENKER, MBA, RDMS, RVT | \$69.95 | ADD \$25.00 FOR CME QUIZ
PM-GYN3 BOOKLET+ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-950973-05-7

TOPICS:

- Full Bladder (Transabdominal)
- Endovaginal
- Overview of Standard Measurements Included in Routine Exams

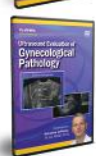


OBSTETRICAL ULTRASOUND PROTOCOL MANUAL WITH ONLINE VIDEO EXAM DEMO

JILL BEITHON, RT(R), RDMS, RDCS, RVT | \$69.95 | ADD \$25.00 FOR CME QUIZ
PM-OB2 BOOKLET+ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-07-3

TOPICS:

- Step by Step Protocol for Transabdominal & Transvaginal OB Ultrasound Exams
- Includes Written Protocol Manual with Image & Online Video Demonstration
- Overview of Standard Measurements Included in 1st, 2nd, & 3rd Trimester Exams



INTRODUCTION TO GYNECOLOGICAL SONOGRAPHY ****NEW**** (102 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-GYN3 DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-58-2

TOPICS:

- Scanning Techniques/Protocols for Transabdominal & Transvaginal Exams
- GYN Anatomy Overview & Variants of Uterine Position
- Normal GYN Anatomy Sonographic Appearance



ULTRASOUND EVALUATION OF GYNECOLOGICAL PATHOLOGY (56 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-GYNP3 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-59-9

TOPICS:

- Gynecological Pathology
- Uterine Variants & Vagina
- Myometrial Abnormalities
- Endometrium & Ovaries
- Cul-de-Sac & Cervix
- Uterine Enlargement



OB FETAL SURVEY: THE 2ND & 3RD TRIMESTER ****NEW**** (138 mins.)

JANE BURNS, A.S., RT, RDMS | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-OB2T DVD/ONLINE 2.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-66-7

TOPICS:

- Obstetrical Ultrasound Imaging
- Fetal Biometry
- Identifying Fetal Number
- Fetal Anatomic Survey
- Biophysical Profile Examination
- 2nd Trimester Screening
- Presence of Cardiac Activity
- Triple Screen and Quad Screen



ULTRASOUND IMAGING FUNDAMENTALS: THE BASICS (65 mins.)

LORI GREEN, BA, RT(R), RDMS, RDCS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-IF3 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-47-6

TOPICS:

- Sound Generation & Basic Principles
- Transducers & Imaging Artifacts
- System Controls & Image Quality



INTRODUCTION TO OB SONOGRAPHY: THE FIRST TRIMESTER ****NEW**** (52 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-OB1T DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-61-2

TOPICS:

- Embryology, Indications for Study Gestational Sac, Yolk Sac, Embryo
- Age Determination, Multiple Gestation Pregnancy, Amniocytosis and Chorionicity
- Placenta, CRL, Landmarks, Heartbeat, Bleeding, Ectopic, Complications
- Hydatidiform Mole, Abnormal/Adesent Sac



FETAL ANOMALIES (133 mins.)

AHMED AL-MALT, M.D. | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-FA2 DVD/ONLINE 2.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-63-6

TOPICS:

- Normal Variants
- Skeletal Dysplasia
- Central Nervous System
- Fetal Extremities
- Fetal Neck, Chest & Abdomen
- Anomalies Associated with Aneuploidy



GENETIC SCREENING IN THE 1ST & 2ND TRIMESTER (53 mins.)

JANE BURNS, A.S., RT, RDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-GSS DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-35-6

TOPICS:

- Reason for Ultrasound Genetic Screening
- Components of a Genetic Screening Sonogram
- Nuchal Translucency Screen / Features of Triploidy
- Targeted vs' Standard Ultrasound Scan (AIUM Guidelines)
- Major & Minor Markers to Identify
- Features of Down Syndrome, Edwards, Patau, and Turner's Syndrome
- Abnormal Cases; ie. Cystic Hygroma, CPC, Ventriculomegaly, + More.



INTERESTING OBSTETRIC CASE STUDIES (59 mins.)

JANE BURNS, A.S., RT, RDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-78-OB2 DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-01-1

TOPICS:

- Hydrops
- Ebsstein Anomaly
- Ectopia Cordis
- Congenital High Airway Obstruction Sequence
- Rhabdomyoma
- Persistent Right Umbilical Vein
- Umbilical Vein Varix
- Posterior Urethral Valves
- Limb Body Wall Complex
- Choledochal Cyst
- Twin-Twin Transfusion Syndrome
- Twin Reverse Arterial Perfusion

FETAL HEART APPLICATIONS & ADDITIONAL TOPICS IN WOMEN'S HEALTH



FETAL HEART SCREENING (109 mins.)

JILL BEITHON, RT(R), RDMS, RDCS, RVT | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-FHS DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-12-4

TOPICS:

- Development of the Fetal Heart
- 4 Chamber View-Top 10 Checklist
- Evaluation of the Outflow Tracts: LVOT & RVOT
- 3 Vessel/Trachea View



FETAL HEART CASE STUDIES (33 mins.)

JANE BURNS, A.S., RT, RDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-FHC 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-13-1

TOPICS:

- Ebstein's Anomaly
- Mesocardia
- Echogenic Cardiac Focus
- VSD & ASD
- Cardiac Masses
- Hypoplastic Left Heart
- Hypoplastic Right Heart
- Tetralogy of Fallot
- Transposition of Great Vessels
- Coarctation of Aorta
- Double Outlet Right Ventricle
- Truncus Arteriosus



OB DOPPLER: HOW, WHY, AND WHEN? (55 mins.)

JANE BURNS, A.S., RT, RDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-OBDD2 DVD/ONLINE 1.5 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-00-1

TOPICS:

- Indications & Applications
- Doppler Wave Form Analysis
- Doppler Assessment Factors
- Doppler Measurements
- Doppler Evaluations



FETAL ABDOMINAL ABNORMALITIES (47 mins.)

JANE BURNS, A.S., RT, RDMS | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-FAA DVD/ONLINE 1.0 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-78-3

SELECTED TOPICS:

- Ebstein's Anomaly
- Echogenic Fetal Bowel
- Embryology Facts
- Small Bowel Obstruction
- Esophageal Atresia
- Meconium Peritonitis
- Duodenal Obstruction & Atresia
- Large Bowel Obstruction + Much More.



DOPPLER EVALUATION OF THE FETAL HEART (53 mins.)

JILL BEITHON, RT(R), RDMS, RDCS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-FEDHD DVD/ONLINE 1.00 AMA PRA Category 1 Credits™ ISBN # 978-1-932680-97-3

TOPICS:

- Anatomy & Electrophysiology of the Fetal Heart
- Color & Spectral Doppler
- Valvular Regurgitation
- Mechanical PR Interval
- TEI Index



FETAL HEART SCREENING PROTOCOL MANUAL WITH ONLINE VIDEO EXAM DEMO

JILL BEITHON, RT(R), RDMS, RDCS, RVT | \$69.95 | ADD \$25.00 FOR CME QUIZ
PM-FE2 BOOKLET+ONLINE 2.00 AMA PRA Category 1 Credits™ ISBN # 978-1-940954-16-5

TOPICS:

- Instrumentation, Indications, & Purpose
- Basic Fetal Screening Exam: Determine Situs, 4 Chamber View, Left Ventricular Outflow Tract, Right Ventricular Outflow Tract, Three Vessels & Trachea View
- Sagittal Views of the Great Vessels
- Fetal Heart Rate & Rhythm
- References
- Live Protocol Video Demonstration



BREAST PROTOCOL MANUAL ****NEW****

TRUDIE LAYTON, RDMS, RVT, RT(R)(DD)(CT) | \$69.95 | ADD \$25.00 FOR CME QUIZ
PM-BR2 BOOKLET+ONLINE 2.00 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-62-9

TOPICS:

- Purpose & Indications
- Image Measurements & Annotation
- Physical Assessment
- Normal Sonographic Characteristics
- Equipment Modifications
- Differentiation of Masses & Abnormalities
- Anatomy & Exam Procedures



ULTRASOUND EVALUATION FOR PELVIC PAIN (67 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$129.00 | ADD \$25.00 FOR CME QUIZ
VL-UPP DVD/ONLINE 2.0 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-02-5

TOPICS:

- Ultrasound Evaluation of True Emergencies
- Ultrasound Evaluation of Pelvic Pathology that requires treatment
- Ultrasound Evaluation of Pelvic Pain that requires treatment

PRIMARY CARE ULTRASOUND PRODUCTS

ENDOCRINOLOGY ULTRASOUND | DVD COURSE PACK \$268

Optional: 3.75 AMA PRA Category 1 Credits™

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ULTRASOUND IMAGING FUNDAMENTALS: THE BASICS ****NEW**** (65 mins.)

LORI GREEN, BA, RT(R), RDMS, RDCS, RVT | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-IF3 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-47-6

TOPICS:

- Sound Generation & Basic Principles
- Transducers & Imaging Artifacts
- System Controls & Image Quality



ULTRASOUND EVALUATION OF THE THYROID ****NEW**** (50 mins.)

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-UET2 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-945749-74-2

TOPICS:

- Thyroid & Parathyroid Anatomy/Physiology
- Thyroid Scan Protocols, Normal Thyroid Ultrasound Characteristics
- Ultrasound Eval. of the Thyroid Pathology, Goiter, Hyperplasia, Cyst, Adenoma, Carcinoma, Hashimoto's Disease, Graves' Disease, & Hyperparathyroidism



THYROID PATHOLOGY & ULTRASOUND-GUIDED INTERVENTION (65 mins.)

JENNIFER SIPOS, M.D. | \$99.00 | ADD \$25.00 FOR CME QUIZ
VL-TP1 DVD/ONLINE 1.25 AMA PRA Category 1 Credits™ ISBN # 978-1-934864-78-4

TOPICS:

- Ultrasound Characteristics of Benign & Suspicious Thyroid Nodules
- Ultrasound Examination Protocols of the Neck in Patients with Thyroid Cancer for Identification of Recurrent/Residual Disease
- Available Interventions for Ultrasound of the Neck Including the Various Ultrasound-Guided Fine Needle Aspiration Techniques

PRIMARY CARE / WOMEN'S HEALTH ONLINE COURSES (12 MONTHS ACCESS)



MIDWIFE SONOGRAPHY CERTIFICATE REVIEW

SALVATORE LARUSSO, M.D., RDMS, RT(R) JANE BURNS, AS, RT, RDMS | \$390.00
OC-MWS191 ONLINE COURSE 9.75 AMA PRA Category 1 Credits™

TOPICS:

- GYN Anatomy & Physiology, Congenital Abnormalities
- Transabdominal & Transvaginal Exam
- Gynecological Pathology
- First Trimester Obstetrics
- 2nd & 3rd Trimesters
- Multiple Ultrasound Evaluations
- Essentials of Diagnostic Ultrasound
- Pulse Echo Instrumentation
- Transducers, Image Controls, Artifacts & Quality Assurance / Safety



INTRODUCTION TO THYROID ULTRASOUND

LORI GREEN, BA, RT(R), RDMS, RDCS, RVT SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) & JENNIFER SIPOS, MD | \$250.00

OC-TSD-102 ONLINE COURSE 4.50 AMA PRA Category 1 Credits™

TOPICS:

- Ultrasound Imaging Fundamentals; The Basics
- Ultrasound Evaluation of the Thyroid
- Thyroid Pathology & Ultrasound-Guided Intervention



INTRODUCTION TO OBSTETRIC ULTRASOUND

AHMED AL-MALT, M.D., FACOG LORI GREEN, BA, RT(R), RDMS, RDCS, RVT
SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) JANE BURNS, AS, RT, RDMS | \$470.00

OC-OBS191 ONLINE COURSE 10.25 AMA PRA Category 1 Credits™

TOPICS:

- Ultrasound Imaging Fundamentals: The Basics
- Introduction to OB Sonography; The First Trimester
- OB Fetal Survey; The 2nd & 3rd Trimester
- Generic Screening by Ultrasound in the 1st & 2nd Trimesters
- Fetal Anomalies
- Interesting OB Case Studies



INTRODUCTION TO OB/GYN SONOGRAPHY

AHMED AL-MALT, M.D., FACOG LORI GREEN, BA, RT(R), RDMS, RDCS, RVT
SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) JANE BURNS, AS, RT, RDMS | \$670.00

OC-OBGYN191 ONLINE COURSE 13.25 AMA PRA Category 1 Credits™

TOPICS:

- Ultrasound Imaging Fundamentals
- OB Fetal Survey; 2nd & 3rd Trimesters
- Intro. to Gynecological Sonography
- Genetic Screening; 1st & 2nd Trimesters
- Intro. to Gynecological Pathology
- Fetal Anomalies
- Intro. to OB Sonography; 1st Trimester
- Interesting OB Case Studies



INTRODUCTION TO ABDOMINAL DOPPLER ULTRASOUND

LORI GREEN, BA, RT(R), RDMS, RDCS, RVT PHILLIP BENDICK, PH.D., RVT, FSDMS, FSVU
ROBERT ATNIP, M.D., RVT, RPVI | \$449.00

OC-ABDO-101 ONLINE COURSE 9.75 AMA PRA Category 1 Credits™

TOPICS:

- Imaging Fundamentals: The Basics
- Abdominal Doppler Physics
- Ultrasound Evaluation of the Abdominal Aorta
- Ultrasound Evaluation of Aortic Endografts
- Ultrasound Evaluation of Renal Artery Stenosis
- Mesenteric and Porto-Hepatic Duplex Sonography
- Introduction to Transplant Sonography



ABDOMINAL & PRIMARY CARE ULTRASOUND ****NEW****

CHARLOTTE DERR, M.D., RDMS, FACEP SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R)
LORI GREEN, BA, RT(R), RDMS, RDCS, RVT BRIAN SCHENKER, MBA, RDMS, RVT | \$840.00

OC-ABPC191 ONLINE COURSE 17.25 AMA PRA Category 1 Credits™

TOPICS:

- Ultrasound Imaging Fundamentals
- Anatomy Fundamentals & Scan Techniques
- U/S Eval. of the Abdominal Aorta
- Normal Liver, Gallbladder & Biliary Tree
- U/S Eval. of Liver, Gallbladder & Biliary Tree
- Renal Ultrasound Imaging
- U/S Eval. of the Pancreas & Spleen
- Trauma Ultrasonography
- U/S Eval. of the Appendix & GI Tract
- Case Studies: Abdominal Sonography
- U/S Eval. of the Thyroid
- U/S Eval. of the Acute Scrotum
- U/S Eval. of the Soft Tissues
- Doppler/Color Imaging Fundamentals



INTRODUCTION TO GYNECOLOGICAL ULTRASOUND

SALVATORE LARUSSO, M.D., RDMS, FAIUM, RT(R) &
LORI GREEN, BA, RT(R), RDMS, RDCS, RVT | \$270.00

OC-GYN191 ONLINE COURSE 4.75 AMA PRA Category 1 Credits™

TOPICS:

- Ultrasound Imaging Fundamentals; The Basics
- Gynecological Anatomy
- Gynecological Pathology / Case Studies



ULTRASOUND EVALUATION OF THE FETAL HEART & BEYOND

JILL BEITHON, RT, RDMS, RDCS, RVT JANE BURNS, AS, RT, RDMS | \$350.00

OC-FHS161 ONLINE COURSE 6.50 AMA PRA Category 1 Credits™

TOPICS:

- Fetal Heart Screening: Anatomy & Physiology/The 4 Chamber View
- Fetal Heart Screening: The Outflow Tracts & Great Vessels
- Fetal Heart Arrhythmias
- Doppler Evaluation of the Fetal Heart
- Case Studies & Fetal Heart Exam: Scan Protocol via Demonstration



ADVANCED OB/GYN ULTRASOUND APPLICATIONS

SAL LARUSSO, M.D., RDMS, RT(R) JANE BURNS, AS, RT, RDMS | \$375.00

OC-AOBG161 ONLINE COURSE 6.50 AMA PRA Category 1 Credits™

TOPICS:

- Genetic Screening in the First and Second Trimesters
- Fetal Abdominal Variants and Anomalies
- OB Doppler: How, Why, and When?
- OB Case Studies
- Ultrasound Evaluation of Pelvic Pain

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- ▶ OB/GYN
- ▶ BREAST
- ▶ RPVI
- ▶ PEDIATRIC
- ▶ MIDWIFE
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DONNA BROWN, PARTICIPANT

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JILL TIBAK, PARTICIPANT

REGISTRY REVIEW

LIVE PHYSICS/SPI REGISTRY REVIEW COURSE (LIVE LECTURES ONLY)

SONOGRAPHY PRINCIPLES & INSTRUMENTATION (PHYSICS) October 21, 2020 RRSPI-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform diagnostic ultrasound examinations.
2. State the elementary principles of ultrasound including definition of ultrasound, basic properties and units to measure.
3. Describe the fundamental principles of sound and the propagation of sound in soft-tissue.
4. Cite the different types transducers, focusing, sound beam formation and the various types of resolution including axial, lateral, contrast & temporal.
5. Recognize components and terminology of ultrasound equipment and instrumentation.
6. List the advantages of Doppler, Color Flow and Color Power Imaging.
7. Differentiate imaging artifacts by their cause and characteristic appearance.
8. Apply statistical test correlation and test validation using CHI Square principles regarding sensitivity, specifically and overall test accuracy.
9. Outline safety, quality control, quality assurance and bioeffects concerns regarding operation and maintenance of ultrasound equipment.
10. Identify areas of weakness that require additional self-study to successfully pass the ultrasound board examination offered by ARDMS, CCI or ARRT.

COURSE FEATURES & TOPICS:

- ◆ Essentials of Diagnostic Ultrasound
- ◆ Physical Principles
- ◆ Pulse Echo Instrumentation / Storage & Display
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Propagation of Ultrasound Through Tissue
- ◆ Transducers / Image Controls
- ◆ Doppler Instrumentation and Hemodynamics
- ◆ Personal Interaction with Experts
- ◆ Imaging Artifacts
- ◆ Quality Assurance and Safety
- ◆ Mock Exam & Interactive Review of Results
- ◆ Content Based on Registry Review Outlines

WHO SHOULD ATTEND:

The Physics Ultrasound Registry Review course is for physicians, sonographers, as well as other medical professionals who are looking for a comprehensive Ultrasound Physics Review. This course is applicable to the ARDMS SPI exam or the physics portions of the ARRT, CCI, RPVI or RMSK exams. This course is taught by a leading expert in ultrasound physics and includes interactive lectures, case studies, and mock exams using an interactive Audience Response System. Online Course is approved for 9.0 AMA Credits. **(GCUS PASS GUARANTEE! See Page 63 for details.)**

CME CREDITS & TUITION:

AMA CAT. I	7.50	ABIM MOC	7.50	This course meets CME/CEU requirements for ARDMS.			
ADVANCED REGISTRATION	\$310	REGULAR REGISTRATION	\$410	WEBINAR REGISTRATION	\$295	ONLINE COURSE REGISTRATION	\$315

FACULTY:



BRYAN DODD, M.D., RDMS, RVT, RT(R)
Division Chair, Health Sciences
Program Director, Diagnostic
Medical Sonography
Gateway Community College
Phoenix, AZ

“DEFINITELY WORTH ATTENDING THIS COURSE.
AN EXCELLENT TEACHING PROGRAM. IMPRESSED
WITH THE PLEASANT ENVIRONMENT IN THE FACILITY.”

HENRY S. SHIN, M.D.

“THANK YOU -- THE KNOWLEDGE I GAINED WAS INVALUABLE! COULDN'T BE BETTER.
ANSWERED ALL MY QUESTIONS. I CAN'T WAIT TO TAKE & PASS THE REGISTRY.”

EMILY FOX, BS, RDMS, RVT

BONUS!

All Attendees of this Course Receive 5 Additional Days of the On-Demand Online Registry Review!

LIVE VASCULAR REGISTRY REVIEW COURSE (LIVE LECTURES ONLY)

VASCULAR ULTRASOUND

April 30 - May 1, 2020

RRV-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform and/or interpret vascular ultrasound examinations.
2. Apply knowledge of the anatomy and physiology of the cerebral vascular circulation and upper and lower extremities to their respective ultrasound evaluations.
3. Outline routine scan protocols for cerebral vascular, upper and lower arterial and venous examinations, and abdominal Doppler.
4. Differentiate normal and abnormal imaging characteristics, Doppler waveforms, color findings & physiologic testing of the venous and arterial examinations.
5. Outline protocols, identify normal/abnormal characteristics disease associated with Duplex/color evaluation of the abdominal vasculature.
6. Apply quality assurance and the relationship of specificity, sensitivity & overall accuracy of vascular ultrasound examination test validation.
7. Identify areas of weakness that require additional self-study to successfully pass your vascular ultrasound board examination. (RVT or RVS)

COURSE FEATURES & TOPICS:

- ◆ Arterial Anatomy/Peripheral Arterial
- ◆ Indirect & Direct Testing
- ◆ Correlative Imaging/Treatment
- ◆ Extracranial Cerebrovascular
- ◆ Test Procedures & Instrumentation
- ◆ Correlative Imaging & Treatment
- ◆ Intracranial Cerebrovascular
- ◆ Transcranial Doppler & Imaging
- ◆ Abdominal Arterial & Venous
- ◆ Venous Anatomy/Peripheral Venous
- ◆ Interactive Mock Exams & Interactive Reviews
- ◆ Content Based on Latest Registry Outlines

WHO SHOULD ATTEND:

The Vascular Ultrasound Registry Review course is designed for sonographers, physicians and other medical professionals preparing to take the ARDMS (RVT) or CCI (RVS) Vascular Ultrasound board examination and/or looking to strengthen their competence within vascular ultrasound.

*CCI registrants should also complete the Gulfcoast Ultrasound Physics/Sonography Principles & Instrumentation/SPI Registry Review for the most complete exam preparation. Online Course is approved for 15.5 AMA Credits. **(GCUS PASS GUARANTEE! See Page 63 for details.)**

CME CREDITS & TUITION: Can't attend live? Watch live online and interact with the faculty with the live webinar option.

AMA CAT. I	14.75	This course meets CME/CEU requirements for ARDMS, APCA & CCI.					
ADVANCED REGISTRATION	\$395	REGULAR REGISTRATION	\$495	WEBINAR REGISTRATION	\$375	ONLINE COURSE REGISTRATION	\$395

FACULTY:



MARSHA NEUMYER, BS, RVT, FSDMS, FSVU, FAIUM
CEO, International Director
Vascular Diagnostic Educational
Services & Vascular Resource Associates
Harrisburg, PA

“IT IS NO EXAGGERATION TO SAY THIS COURSE EXPERIENCE WAS TRANSFORMATIVE—BOTH PROFESSIONALLY AND PERSONALLY. THIS COURSE WILL LONG REMAIN A HIGH POINT OF MY LIFE. THANKS AGAIN... I AM FEELING ENERGIZED AND EAGER TO SIT FOR MY BOARDS.”

LEE ANN ADAMS, BS, RDMS

BONUS!

All Attendees of this Course Receive 5 Additional Days of the On-Demand Online Registry Review!

LIVE ABDOMINAL REGISTRY REVIEW COURSE (LIVE LECTURES ONLY)

ABDOMINAL ULTRASOUND

July 13-14, 2020

RRA-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge to better perform diagnostic ultrasound examinations.
2. Apply knowledge of the abdominal cross-sectional anatomy, scan protocols, laboratory values and routine measurements associated with the abdominal ultrasound examination.
3. Recognize normal imaging characteristics of the liver, gallbladder, pancreas, spleen, kidneys, adrenals and abdominal vasculature.
4. Integrate imaging characteristics of commonly seen pathology associated with the liver, gallbladder, pancreas, spleen, kidneys, retroperitoneum, & abdominal vasculature.
5. Differentiate normal and abnormal sonographic characteristics associated with evaluation of superficial structures such as thyroid, testes & scrotum and some basic musculoskeletal structures.
6. Integrate universal precautions & proper infection control into standardized imaging protocols & state the sonographer's role during interventional procedure.
7. Identify areas of weakness that require additional self-study to successfully pass your ultrasound board examination offered by ARDMS, CCI or ARRT.

COURSE FEATURES & TOPICS:

- ◆ Abdominal Vasculature
- ◆ Liver: Anatomy/Physiology and Pathology
- ◆ Gallbladder Anatomy/Physiology and Pathology
- ◆ Biliary Tree Anatomy/Physiology and Pathology
- ◆ Pancreas Anatomy/Physiology and Pathology
- ◆ Spleen Anatomy/Physiology and Pathology
- ◆ Renal Anatomy/ Physiology and Pathology
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Trauma
- ◆ Superficial Structures: Thyroid and Scrotal
- ◆ Mock Exams
- ◆ Content Based on Registry Review Outlines

WHO SHOULD ATTEND:

The Gulfcoast Ultrasound Institute Abdominal Ultrasound Registry Review course is the most comprehensive abdominal registry review course in the industry that is designed for sonographers, physicians and other medical professionals who are preparing to take the ARDMS Abdominal or ARRT Ultrasound Registry board exams. Online Course is approved for 16.0 AMA Credits. **(GCUS PASS GUARANTEE! See Page 63 for details.)**

CME CREDITS & TUITION: Can't attend live? Watch online live and interact with the class with the live webinar option.

AMA CAT. I	13.50	This course meets CME/CEU requirements for ARDMS. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date.					
ABIM MOC	13.50						
ADVANCED REGISTRATION	\$385	REGULAR REGISTRATION	\$485	WEBINAR REGISTRATION	\$375	ONLINE COURSE REGISTRATION	\$395

FACULTY:



EMILY DOWNS, BS, RDMS, RVT, RDMS, RT
Program Director
Diagnostic Medical Sonography
Program of Denver
Denver, CO



LORI GREEN, BA, RT(R), RDMS, RDMS, RVT
Program Director
Gulfcoast Ultrasound Institute
St. Petersburg, FL

“EVERYONE AT GULF COAST WAS EXTREMELY HELPFUL IN MAKING ME FEEL CONFIDENT ABOUT PURSUING THE FIELD OF ULTRASOUND. THANKS.”

EDITH AGEE, PA-C

“WONDERFUL COURSE. FACULTY WERE VERY INFORMATIVE. ONE OF THE BEST ORGANIZED AND WELL PREPARED PROGRAMS I HAVE ATTENDED.”

ROBIN ARCENEUX, RCS

BONUS!

All Attendees of this Course Receive 5 Additional Days of the On-Demand Online Registry Review!

LIVE MUSCULOSKELETAL REGISTRY REVIEW COURSE (LECTURE ONLY)

MUSCULOSKELETAL ULTRASOUND (RMSK)

October 19-20, 2020

RRM-201

COURSE OBJECTIVES:

Upon completion of the program, the participant should be able to:

1. Increase knowledge to better perform and/or interpret musculoskeletal ultrasound examinations.
2. Outline appropriate transducer selection, system optimization, and identify commonly seen artifacts associated with musculoskeletal ultrasound.
3. State scanning protocols for performing shoulder, elbow, wrist/hand, knee, ankle, foot and hip ultrasound examinations.
4. Identify normal anatomy during musculoskeletal ultrasound imaging.
5. Recognize ultrasound characteristics of common seen pathology of the shoulder, knee, elbow, wrist/hand, ankle, foot and hip.
6. Outline the use of musculoskeletal sonography for diagnosis and treatment options, including ultrasound-guided interventions.
7. Integrate all patient & imaging data for effective analysis of examination results.
8. Identify areas that may require further study.
9. Increase knowledge & competence for successful registry examination completion.

COURSE FEATURES & TOPICS:

- ◆ Shoulder Evaluation, Pathology & Soft Tissue
- ◆ Hip Evaluation, Pathology & Soft Tissue
- ◆ Wrist/Hand Evaluation, Pathology & Soft Tissue
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Elbow Evaluation, Pathology & Soft Tissue
- ◆ Foot/Ankle Evaluation, Pathology & Soft Tissue
- ◆ Knee Evaluation, Pathology and Soft Tissue
- ◆ Personal interaction & tips from the Experts
- ◆ Interventional Procedures
- ◆ Interactive Mock Exams
- ◆ Content Based on Registry Review Outlines

WHO SHOULD ATTEND:

The MSK Ultrasound Registry Review course is for medical professionals who are preparing to take the APCA or ARDMS musculoskeletal registry board exams or individuals who need a comprehensive review for professional improvement and/or CME credits. This course is taught by leading experts in the MSK ultrasound profession. **(GCUS PASS GUARANTEE! See Page 63 for details.)**

CME CREDITS & TUITION:

Can't attend live? Watch online live and interact with the class with the live webinar option.

AMA CAT. I	13.75	This course meets CME/CEU requirements for ARDMS, & APCA.					
MOC	13.75						
ADVANCED REGISTRATION	\$975	REGULAR REGISTRATION	\$1175	WEBINAR REGISTRATION	\$950	ONLINE COURSE REGISTRATION	\$1115

FACULTY:



JON JACOBSON, M.D., RMSK
Professor of Radiology Director
Division of MSK Radiology
U. of Michigan Medical Center
Ann Arbor, MI



IMRAN SIDDIQUI, M.D., RMSK
Physician at Regenerative
Orthopedics & Sports Medicine
Harvard Medical School
Washington, DC

“EVERYONE AT GULF COAST WAS EXTREMELY HELPFUL IN MAKING ME FEEL CONFIDENT ABOUT PURSUING THE FIELD OF ULTRASOUND. THANKS.”

EDITH AGEE, PA-C

“WONDERFUL COURSE. FACULTY WERE VERY INFORMATIVE. ONE OF THE BEST ORGANIZED AND WELL PREPARED PROGRAMS I HAVE ATTENDED.”

ROBIN ARCENEUX, RCS

BONUS!

All Attendees of this Course Receive 5 Additional Days of the On-Demand Online Registry Review!

LIVE RPVI REGISTRY REVIEW COURSE (LIVE LECTURES ONLY)

VASCULAR INTERPRETATION & RPVI REGISTRY REVIEW

February 10-11, 2020

RPVI-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase the participant's knowledge and competence to perform and/or interpret vascular ultrasound examinations.
2. Analyze Doppler/Color physics factors that affect optimal Doppler examinations and commonly seen Doppler/Color artifacts, which may affect diagnostic accuracy.
3. Recognize normal/abnormal imaging, spectral Doppler and Color Doppler findings seen with carotid and peripheral arterial and venous disease.
4. Cite the role of indirect testing in the evaluation of lower extremity arterial disease.
5. Apply diagnostic criteria for evaluation of carotid peripheral venous and arterial disease.
6. Interpret complex carotid and peripheral vascular case studies in an interactive interpretation session format.
7. Recognize ultrasound findings associated with aortic endograft leaks.
8. Differentiate normal & abnormal spectral Doppler characteristics associated with renal artery and dialysis access graft evaluations.
9. Integrate the key diagnostic elements into a structured report.
10. Increase confidence to incorporate protocols, techniques and diagnostic criteria to improve diagnosis/treatment accuracy.

COURSE FEATURES & TOPICS:

- ◆ Physics and Instrumentation
- ◆ Hemodynamic Principles & Fundamentals
- ◆ Anatomy/Physiology
- ◆ Lifetime Access to Digital Course Syllabus
- ◆ Carotid/TCD
- ◆ Peripheral Venous & Arterial
- ◆ Abdominal Visceral
- ◆ Normal + Abnormal Waveforms
- ◆ Integration of Data
- ◆ Interactive Case Studies
- ◆ Q & A with Instructors
- ◆ Interactive Mock Exams

WHO SHOULD ATTEND:

The Vascular Ultrasound Interpretation and RPVI Review course is designed for physicians to improve their vascular interpretation skills and/or prepare to take the APCA Physician in Vascular Interpretation (RPVI) board exam. **(GCUS PASS GUARANTEE! See Page 63 for details.)**

CME CREDITS & TUITION: Can't attend live? Watch online live and interact with the class with the live webinar option.

AMA CAT. I	16.50	This course meets CME/CEU requirements for ARDMS, APCA. Advanced registration payment needs to be paid in full 30 or more days prior to the course start date.					
ABIM MOC	16.50						
ADVANCED REGISTRATION	\$975	REGULAR REGISTRATION	\$1175	WEBINAR REGISTRATION	\$925	ONLINE COURSE REGISTRATION	\$975

FACULTY:



ROBERT ATNIP, M.D., RVT, RPVI
Senior Vascular Surgeon
Medical Director
Vascular Laboratory
Penn State Heart & Vascular Inst.
Professor of Surgery Penn State
Hershey, PA



MARSHA NEUMYER, BS, RVT, FSDMS, FSVU, FAIUM
CEO, International Director
Vascular Diagnostic Educational
Services & Vascular Resource
Associates
Harrisburg, PA

“THIS WAS THE BEST COURSE I HAVE EVER ATTENDED. ITS VERY NATURE KEPT ME INVOLVED AND INTERESTED, WHEREAS OTHERS, EVEN REALLY GOOD ONES, CAUSED DIMINISHING ENTHUSIASM AND INTEREST. EVERYONE WITH WHOM I TALKED AT THE COURSE EXPRESSED THE SAME VIEW.”

RANDY KENNEDY, M.D.

BONUS!

All Attendees of this Course Receive 5 Additional Days of the *On-Demand Online Registry Review!*

LIVE WOMEN'S HEALTH REGISTRY REVIEW (LECTURE ONLY)

OB/GYN ULTRASOUND REGISTRY REVIEW

July 16-17, 2020 RRO-201

COURSE OBJECTIVES: Upon completion of the program, the participant should be able to:

1. Increase knowledge & competence for successful ultrasound registry examination completion.
2. Outline routine scan protocols & measurements for performing transabdominal and endovaginal GYN scanning.
3. State the normal & abnormal characteristics of the ovaries and uterus, as well as differentiate commonly seen pathology seen in premenarchal, postmenarchal, and post menopausal patients.
4. Outline the first trimester normal reproductive physiology and identify normal anatomy.
5. List first trimester complications and associated ultrasound findings.
6. Perform 2nd and 3rd trimester measurement techniques.
7. Identify normal & abnormal fetal anatomy in the 2nd & 3rd trimesters in each fetal body systems.
8. State coexisting disorders affecting pregnancy.
9. Cite the sonographer role in procedures.
10. Identify areas of weakness that may require further study for successful registry examination completion.

COURSE TOPICS:

- ◆ GYN Anatomy & Physiology
- ◆ GYN Pathology: Ovarian
- ◆ 2nd & 3rd Trimesters
- ◆ Multiple Gestations & Complications
- ◆ Congenital Abnormalities
- ◆ Adnexal Pathology
- ◆ Spine, MSK, Chest, Heart Chromosomal Disorders & Syndromes
- ◆ Maternal Complications
- ◆ Transabdominal & Transvaginal Exam Protocols
- ◆ Procedures & Infertility
- ◆ Genitourinary, Abdominal Wall, Gastrointestinal, Face & Neck
- ◆ Fetal Complications
- ◆ GYN Pathology: Uterine
- ◆ First Trimester OB: 3 Parts Reproductive Physiology
- ◆ Placenta & Umbilical Cord, Amniotic Fluid
- ◆ 3D

WHO SHOULD ATTEND:

The OB/GYN Ultrasound Registry Review Course is for sonographers, and other medical professionals who are looking for a comprehensive review to successfully complete the certification exam. The OB/GYN Registry Review is taught by experts in the OB/GYN ultrasound profession and includes interactive lectures, case studies, and mock registry exams using an interactive Audience Response System.

(GCUS PASS GUARANTEE! See Page 63 for details.)

CME CREDITS & TUITION:

AMA CAT. I	14.50	This course meets CME/CEU requirements for ARDMS & APCA.					
ADVANCED REGISTRATION	\$385	REGULAR REGISTRATION	\$485	WEBINAR REGISTRATION	\$375	ONLINE COURSE REGISTRATION	\$400

FACULTY:



SAL LARUSSO, M.D., RDMS, FAIUM, RT(R)
Senior Instructor Radiology
Penn State College of Medicine
Chief Sonographer
Penn State Hershey
Penn State Children's Hospital
Hershey, PA



JANE BURNS, AS, RT, RDMS
Senior Perinatal Sonographer
Texas Children's Hospital
Pavilion for Women
Houston, TX

“DEFINITELY WORTH ATTENDING THIS COURSE. AN EXCELLENT TEACHING PROGRAM. IMPRESSED WITH THE PLEASANT ENVIRONMENT IN (THE FACILITY).”

HENRY S. SHIN, MD

“GOOD COURSE. I WOULD HIGHLY RECOMMEND THIS TO ANYONE. THE INTERACTIVE CASE REVIEW WAS THE MOST EFFECTIVE PART OF THE PROGRAM.”

SCOTT BORTMAN, MD

BONUS!

All Attendees of this Course Receive 5 Additional Days of the On-Demand Online Registry Review!

REGISTRY REVIEW PACKAGES

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PHYSICAL GOLD PACKAGE \$491

ONLINE SILVER PACKAGE \$208
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EXTRA CME PROCESSING FEE
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SITE LICENSES AVAILABLE FOR GROUPS.

OB/GYN REGISTRY REVIEW

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PHYSICAL GOLD PACKAGE \$563

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BREAST REGISTRY REVIEW

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MUSCULOSKELETAL REGISTRY REVIEW (No Package Options at this time)



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“EXCELLENT MSK MOCK EXAM. I WILL BE HIGHLY RECOMMENDING THIS TO MY COLLEAGUES.”

DAVID LANDNES, M.D.

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 - Pulse Echo Instrumentation
 - Storage & Display
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 - Imaging Artifacts
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 - Performing the Imaging
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 - Cardiomyopathies / Pericardial Disease
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 - Congenital Heart Defects
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 - Liver: Anatomy & Pathology
 - Trauma Ultrasound
 - Biliary Tree Anatomy/Physiology/Pathology
 - Gallbladder Anatomy/Physiology/Pathology
 - Pancreas Anatomy/Physiology/Pathology
 - Superficial Structures: Thyroid & Scrotal
 - Renal Anatomy, Physiology & Pathology
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 - Transabdominal/Transvaginal Exam
 - Gynecological Pathologies
 - First Trimester
 - 2nd & 3rd Trimesters
 - Ultrasound Evaluation of the Spine, MSK & Chest
 - Chromosomal Disorders & Syndromes
 - Ultrasound Evaluation of the Heart & GI Tract
 - Ultrasound Eval. of the Face and Neck
 - Placenta & Umbilical Cord
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 - Complications, and 3D Ultrasound



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 - Doppler Fundamentals
 - Instrumentation
 - Normal Carotid Anatomy & Waveforms
 - Abnormal Carotid Waveform
 - Abnormalities of Vertebralbasilar System & TCD
 - Integration of Data
 - Carotid and TCD Cases
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 - Pancreas & Spleen Normal & Pathology
 - Pediatric Genitourinary System
 - Soft Tissue & MSK Abnormalities
 - Pediatric Abdominal Case Studies
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 - Thyroid & Neck Sonography
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 - Gynecological Pathology: Uterine
 - Gynecological Pathology: Ovarian
 - First Trimester OB: Parts 1, 2 & 3
 - 2nd & 3rd Trimesters, U/S Eval. of the Brain
 - U/S Eval. of the Placenta & Umbilical Cord
 - U/S Eval. of the Amniotic Fluid
 - U/S Eval. of Maternal / Fetal Complications
 - Pulse Echo Instrumentation



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 - Ultrasound Evaluation of the Elbow
 - Ultrasound Evaluation of the Hand/Wrist
 - Ultrasound Evaluation of the Hip
 - Ultrasound Evaluation of the Knee
 - Ultrasound Evaluation of the Foot/Ankle
 - U/S-Guided Intervention & Treatment Options
 - U/S Eval. of Maternal / Fetal Complications
 - Two Mock Examinations



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- TOPICS:**
- Ultrasound Eval. of the Shoulder/Elbow
 - Ultrasound Eval. of the Hand/Wrist
 - Ultrasound Eval. of the Hip/Knee
 - Ultrasound Evaluation of the Foot/Ankle
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DATE	TIME	WEBINAR TITLE / PRESENTATION
February 10 - 11	8:00AM – 5:00PM	Vascular Interpretation & RPVI Registry Review 16.5 AMA PRA Category 1 Credits™ \$925
April 2	7:45AM – 12:00PM	Ultrasound Guided Vascular Access (UGVA) 3.75 AMA PRA Category 1 Credits™ \$515
April 3	7:45AM – 1:30PM	Ultrasound Guided Nerve Blocks in EM 8.75 AMA PRA Category 1 Credits™ \$1010
April 2 - 3	7:30AM – 12:00PM	UGVA & UG Nerve Blocks in Emergency Medicine 5.00 AMA PRA Category 1 Credits™ \$515
April 30 - May 1	7:45AM – 5:00PM	Vascular Ultrasound Registry Review 14.75 AMA PRA Category 1 Credits™ \$375
July 13 - 14	7:30AM – 5:00PM	Abdominal Ultrasound Registry Review 13.50 AMA PRA Category 1 Credits™ \$375
July 16 - 17	7:30AM – 5:00PM	OB/GYN Ultrasound Registry Review 14.50 AMA PRA Category 1 Credits™ \$375
August 3	7:45AM – 12:00PM	Ultrasound-Guided Vascular Access 3.50 AMA PRA Category 1 Credits™ \$515
October 19 - 20	7:30AM – 5:00PM	Musculoskeletal Ultrasound Registry Review 13.75 AMA PRA Category 1 Credits™ \$950
October 21	7:30AM – 5:00PM	Physics (SPI) Ultrasound Registry Review 7.50 AMA PRA Category 1 Credits™ \$295

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