

19 SDMS CME Credits Available

2 SDMS CME Credits Available For Quiz Bowl
New

The North Carolina Ultrasound Society
Central Office
4138 Appleton Way
Wilmington, NC 28412



NCUS

NCUS



The North Carolina Ultrasound Society

*The North Carolina Ultrasound Society, Inc.
Presents*

***The 31st Annual
Medical Ultrasound Symposium***

March 9-March 11, 2012

Embassy Suites

Cary, North Carolina

19 Credit Hours — SDMS

SDMS credits also accepted as ARRT Category A

SDMS CME Credit Approval is Pending

FRIDAY SESSION

6 HOURS OF PHYSICS

And 2 HOURS GENERAL CME FOR QUIZ BOWL

THREE (3) CONCURRENT SESSIONS ON SATURDAY

7 HOURS OF OB/GYN, 5 HOURS OF ABDOMINAL/VASCULAR,
7 HOURS OF ECHOCARDIOGRAPHY AND 2 HOUR OF GENERAL

THREE (3) CONCURRENT SESSIONS ON SUNDAY

4 HOURS OF OB/GYN, 3 HOURS OF ABDOMINAL/VASCULAR
4 HOURS OF ECHOCARDIOGRAPHY AND 1 HOUR OF GENERAL

**NC
ULTRASOUND
SOCIETY**

The 31st Annual NCUS Medical Ultrasound Symposium

Course Objectives: *At the conclusion of this educational activity, participants should be better able to: 1) Describe the latest advances in Diagnostic Medical Ultrasound; 2) Describe the basic sonographic principles and procedures; and 3) Discuss current issues and trends in the field.* The course is designed to present the latest advances in Diagnostic Ultrasound for sonographers and students seeking lectures and continuing education credits in Diagnostic Medical Sonography. This three-day course in Diagnostic Ultrasound will be presented March 9-March 11, 2012. The course will include a six-hour Physics (Principles of Sonography) session on Friday, March 9. On Saturday, March 10, seven hour Echocardiography, five hour Abdominal/Vascular seven hour OB/GYN and two hour General courses will run concurrently. On Sunday, March 11th, the course outline includes four hour concurrent sessions of OB, Echocardiography and Abdominal. The intended audience includes sonographers and students. Commercial and educational exhibits will also be on display. Commercial exhibitors should contact the NCUS Central Office (910) 550-9025 for application and fee information.

Purpose and Target Audience: In an effort to assist in the continuing education of diagnostic medical sonographers, students and sonologists; this symposium is designed to instruct the participants in basic sonographic principles and procedures and acquaint them with the current issues and trends in the field.

Continuing Education Credit: 19 Continuing Medical Education Credits in specialty specific areas have been applied for through The Society of Diagnostic Medical Sonographers (SDMS) for this conference. These SDMS credits are accepted by the American Registry of Diagnostic Medical Sonography (ARDMS) and American Registry of Radiological Technologists (ARRT) as Category A Credits. *Friday Only - 8 hours, Saturday only - 7 hours, Sunday only - 4 hours.*

Registration Fee & Cancellation Policies: Payment must accompany your registration. Cost of registration covers lectures, on-line syllabus, business meeting luncheon and breaks. See the fee schedule on the Registration Form for fee amounts. **The "early bird" registration must be received at the NCUS on or before February 22, 2012 at midnight to qualify for the "early bird" fee.** *A registration refund request must be submitted in writing prior to March 1, 2012. However, a \$50 administrative fee will be retained on all refunds, which will be processed only after written notice is received. Cancellations received after March 1, 2012 are non-refundable.* In the unlikely event of insufficient registration, the NCUS reserves the right to cancel this activity. In the event of cancellation or postponement, the NCUS will refund only the registration fee and is not responsible for other related expenses.

Disclosure: Disclosure of faculty and commercial support relationships, if any, will be made known at the time of activity. Speakers will also state when off-label or experimental use of drugs or devices is incorporated in their presentations.

George Blanchard, RDMS

Maternal & Fetal Medicine
Sanford, NC

Pamela Burgess, BS, RCDS, RDMS, RVT, FASE
Clinical Manager

Cardiac Ultrasound & Stress Testing
Wake Forest Univ./Baptist Medical Center
Winston Salem, North Carolina

John Cotton, MD

Associate Professor of Pediatrics
Department of Pediatrics
Division of Pediatric Cardiology
University of North Carolina, Chapel Hill,
School of Medicine
Chapel Hill, North Carolina

Jeffrey Kuller, MD

Professor of Obstetrics and Gynecology
Division of Maternal-Fetal Medicine
Raleigh, North Carolina

Chris Mann, BS, RDCS, RCS, FASE

Faculty, Echocardiography
Pitt Community College
Greenville, North Carolina

Mani Montazemi, RDMS

Manager, Maternal Fetal Imaging Center
Texas Children's Hospital-
Pavilion for Women
Clinical Instructor-Baylor College of Medi-
cine, Division of Maternal Fetal Medicine,
Department of Obstetrics and Gynecology,
Houston, Texas

Raj Nekkanti, MD, FACC, FASE

Assistant Professor of Medicine, Department
of Cardiovascular Sciences, East Carolina
University-The Brody School of Medicine
Director of Echocardiography Laboratories
Vident Medical Center, Associate Program
Director, Cardiology Fellowship Program at
East Carolina Heart Institute
Greenville, North Carolina

Angel Nieves, MD, Ph.D.

Assistant Professor, Department of OB/GYN,
Duke University Medical Center
Durham, North Carolina

Michael Quartermain, MD

Director, Pediatric and Fetal Echocardiog-
raphy, Wake Forest Baptist Medical Center
Winston Salem, North Carolina

Cindy Rapp, BS, RDMS, FAIUM, FSDMS

Sr. Clinical Marketing Manager
Toshiba America Medical Systems
Tustin, California

Maria Small, MD

Duke University Medical Center
Durham, North Carolina

Frederick W. Kremkau, PhD

Professor and Director
Center of Medical Ultrasound
Wake Forest Univ. School of Medicine
Winston Salem, North Carolina

Keisha Reddick, MD

Wilmington Maternal Fetal Medicine
Wilmington, North Carolina

**Diana McCormick Strickland, BSBA,
RDMS, RDCS**

Clinical Assistant Professor
Co-Director Ultrasound Division
Department of OB/GYN - Maternal Fetal
Medicine Division
East Carolina University - Brody School of
Medicine
Greenville, NC

Brian Stull, RDMS, RVT

Vascular Sonographer
Rex Healthcare
Raleigh, North Carolina

Jesse Thomas, RVT

Radiology Imaging Manager
University of North Carolina Hospitals
Chapel Hill, North Carolina

Katie Twomley, MD

Wake Forest Baptist Cardiology in Lexington
Lexington, North Carolina

**Mani Vannan, MD, MBBS, FACC, FAHA,
FASE**

Cardiologist
Atlanta, Georgia

Jennifer VanVickle, MD

Medical Director of Ultrasound
Rex Hospital

NCUS 31ST ANNUAL ULTRASOUND SYMPOSIUM REGISTRATION FORM

Make check or money order payable to NCUS and MAIL TO: NCUS CENTRAL OFFICE, 4138 APPLETON WAY, WILMINGTON, NC 28412
OR REGISTER WITH YOUR CREDIT CARD EITHER BY THIS FORM OR ONLINE AT WWW.NCUS.ORG

Name: _____ Credentials: _____ Specialty: _____

Home Address: _____
Street or P.O. _____

City: _____ State: _____ Zip: _____

Day Phone: _____ ARDMS#: _____ SDMS#: _____ Birthdate: _____

Place of Employment: _____ Email Address: _____

Charge to Credit Card: () Visa () Master Card Card # _____

Expiration Date _____ Name on Credit Card _____

<u>REGISTRATION FEES</u>	<u>ON OR BEFORE FEBRUARY 22ND</u>		<u>AFTER FEBRUARY 22ND</u>	
	<u>Sonographer</u>	<u>Student</u>	<u>Sonographer</u>	<u>Student</u>
	<u>Member</u>	<u>Member</u>	<u>Member</u>	<u>Member</u>
Friday Physics	\$ 215	\$ 105	\$245	\$135
Discount Package (Fri,Sat,Sun)	\$ 400	\$ 175	\$430	\$205
Saturday/Sunday	\$ 300	\$ 150	\$330	\$180
Saturday Only	\$ 230	\$ 105	\$260	\$135
Sunday Only	\$ 160	\$ 85	\$190	\$115
Registration Fee		\$ _____	<i>Please check category:</i>	
Dues (Join Now) ***\$		\$ _____	Active() Affiliate () Student () *	
TOTAL ENCLOSED		\$ _____		

*****NCUS MEMBERSHIP INFORMATION**

Members enjoy a 50% discount on registration fees! Nonmembers pay double the fees indicated above.

If you are not currently a member of the NCUS and would like to take advantage of the reduced member rates for registration fees for this meeting you may do so!

\$30/year Active: Sonographers currently performing ultrasound in a clinical setting; physicians actively engaged in clinical ultrasound and scientists directly involved in the field of ultrasound through physics, engineering, biology, or basic research.

\$25/year Affiliate: Persons working in the commercial field of ultrasound or any other interested persons not qualified under other membership categories.

\$15/year Student*: Those persons studying disciplines pertinent to the Society in a full-time training program. Those persons should not receive a salary from that program or institution. **Students must send a confirmation letter/email from their Program Director with this registration*

HOTEL ACCOMMODATIONS
Embassy Suites Raleigh—Durham/Research Triangle
CALL (800) Embassy or (919) 677-1840
201 Harrison Oaks Blvd. Cary, NC 27513

ROOM RATE: \$119.00 Run-of-House SINGLE/DOUBLE
Includes full cooked-to-order breakfast each morning and evening Manager's Reception

CUTOFF DATE FOR CONVENTION RATE:
February 15, 2011 at 12:01 AM

RESERVATIONS: Please ask for the North Carolina Ultrasound Society rate. Hotel room rates are subject to applicable state and local taxes in effect at time of check in. All reservations must be accompanied by a first night room deposit, or guaranteed with a major credit card. Hotel will not hold any reservations unless secured by one the above methods. Individual cancellations must be made more than 48 hours prior to arrival. After this time, they will be charged for the first night of their reservation or forfeit their individual deposits. Reservations for the event will be accepted after the cutoff date. NCUS group rate based on space and rate availability. Should the block be filled before the cut off date, prevailing rack rates may apply.

Check-In/Check-Out: Our check-in time is after 3 pm and our check-out time is before 12:00 am. Early arrivals and/or late checkouts cannot be guaranteed. Hotel will be able to arrange for luggage storage for those arriving early or for those planning a late departure. Parking is included in the rate.

ADA Statement: *It is the policy of The North Carolina Ultrasound Society not to discriminate against any person on the basis of disabilities. If you need services or auxiliary aids mentioned in this ACT in order to participate fully in any of our continuing education activities, please call us at 910-550-9025 at least 3 weeks prior to the activity to allow time for arranging any auxiliary aid needed.*

March 9 - March 11, 2012	Schedule of Events	NCUS 31st Annual Symposium	Embassy Suites, Cary, NC
Friday, March 9 7:00am-8:30am	REGISTRATION		
8:30am-4:30pm	PRINCIPLES OF SONOGRAPHY Frederick W. Kremkau, PhD. 8:30 am-10:00 am Principles 10:00 am-10:15 am Break	10:15 am-12:15 Principles 12:15-1:45pm Lunch 1:45pm-3:15 Principles	3:15 pm-3:30 pm Break 3:30 pm-4:30 pm Principles
7:00 pm	Quiz Bowl <i>*2 hours Credit Available</i>	Quiz Bowl <i>*2 hours Credit Available</i>	Quiz Bowl <i>*2 hours Credit Available</i>
Saturday, March 10	SESSION I ~ OB/GYN	SESSION II ~ ABD/VAS	SESSION III ~ ECHO
7:00 AM - 8:00 AM	REGISTRATION	REGISTRATION	REGISTRATION
8:00 AM - 9:00 AM	Fibroid Exablate Therapy <i>Angel Nieves, MD</i>	Lower Extremity Venous Duplex - DVT and Beyond <i>Brian Stull, RDMS, RVT</i>	The Doppler Exam <i>Katie Twomley, MD</i>
9:00 AM - 10:00 AM	Invasive Prenatal Diagnosis <i>Dr. Jeffrey Kuller, MD</i>	Calf Vein DVT; Punt, Pass or Kick <i>Brian Stull, RDMS, RVT</i>	Complex Congenital Heart Disease <i>Katie Twomley, MD</i>
10:00AM - 10:15 AM	EXHIBITS - BREAK	EXHIBITS - BREAK	EXHIBITS - BREAK
10:15 AM - 11:15 AM	Genetics for the Sonographer <i>Jeffrey Kuller, MD</i>	Interesting Vascular Case Studies <i>Jesse Thomas, RVT</i>	Echocardiographic Evaluation of Congenital Tricuspid Valve Disease in the Adult CHD Patient <i>Michael Quartermain, MD</i>
11:15 AM - 12:15 PM	Prenatal Diagnosis of Placental Anomalies <i>Maria Small, MD</i>	Differential Diagnosis in the Vascular Lab <i>Jesse Thomas, RVT</i>	“What in the ...? Interesting Echoes from the Floor” <i>John Cotton, MD</i>
12:15 PM - 1:30 PM	LUNCH / BUSINESS MEETING	LUNCH / BUSINESS MEETING	LUNCH / BUSINESS MEETING
1:30 PM - 2:30 PM	Prenatal Diagnosis of Urogenital Anomalies <i>Maria Small, MD</i>	Mammography/Ultrasound Correlation; “Where Is It?” <i>Jennifer VanVickle, MD</i>	Echocardiography in Practice: A Case Oriented Approach, Part 1 <i>Raj Nekkanti, MD, FACC, FASE</i>
2:30 PM - 3:30 PM	Pelvic Sonography <i>Cindy Rapp, BS, RDMS, FAUIM, FSDMS</i>	Mammography/Ultrasound Correlation; “What Is It?” <i>Jennifer VanVickle, MD</i>	Devine Diastole! <i>Chris Mann, BS, RDMS, RCS, FASE</i>
3:30 PM - 4:00 PM	EXHIBITS-DOOR PRIZES	EXHIBITS-DOOR PRIZES	EXHIBITS-DOOR PRIZES
4:00 PM - 5:00 PM	Fetal Echo-What the Sonographer Needs to Know <i>Diana Strickland, BSBA, RDMS, RDCS</i>	There is a Mass in the Kidney- What Does That Mean? <i>Mani Montazemi, RDMS</i>	Echocardiography in Practice: A Case Oriented Approach, Part 2 <i>Raj Nekkanti, MD, FACC, FASE</i>
Sunday, March 11	SESSION IV - OB/GYN	SESSION V - ABD/VAS	SESSION VI - ECHO
8:00 AM - 9:00 AM	First Trimester Normal and Abnormal Ultrasound <i>Mani Montazemi, RDMS</i>	Sonography of the Inflammatory Condition <i>Cindy Rapp, BS, RDMS, FAUIM, FSDMS</i>	Right Heart Evaluation: What’s the Real Deal? <i>Chris Mann, BS, RDMS, RCS, FASE</i>
9:00 AM - 10:00 AM	Fetal Face and Neck; Overview of Anom- alies and Tips and Tricks to Image the Fetal Face <i>Diana Strickland, BSBA, RDMS, RDCS</i>	Role of Ultrasound in Evaluation of Patients with Acute Scrotal Pain <i>Mani Montazemi, RDMS</i>	Utilization of Contract in the Echo Lab- When do we use it and How do we make it work for us. <i>Mani Vannan, MD, Pam Burgess, BS, RDCS, RDMS, RVT, FASE</i>
10:00 AM - 10:15 AM	BREAK	BREAK	BREAK
10:15 AM - 11:15 AM	Endocardial Fibroclastosis; A Case Presentation <i>George Blanchard, RDMS</i>	Sonography of the Appendix <i>Cindy Rapp, BS, RDMS, FAUIM, FSDMS</i>	What Does 3-D Echo Offer in Heart Valve Disease? <i>Mani Vannan, MD</i>
11:15 AM - 12:15 PM	Skeletal Dysplasia <i>Keisha Reddick, MD</i>	Ultrasound of Thyroid Nodules <i>Mani Montazemi, RDMS</i>	Left Ventricular Twist and Torsion: What is it and Do We Need it? <i>Mani Vannan, MD</i>