



# North Carolina Ultrasound Society ~2010 Fall Symposium ~ Saturday, October 30, 2010

7:00 - 8:00 Registration and Continental Breakfast

## Room A - OB/Gyn

- 8:00-9:00** **3D GYN - Manipulation and Case Studies**  
Diana Strickland, BSBA, RDMS, RDCS  
  
Attendees will be able to recognize & manipulate 3D images; distinguish uses for GYN ultrasound examinations.
- 9:00-10:00** **Maternofetal Evaluation in the Second Trimester**  
Cathy Godwin, M.Ed, RTR, RDMS, RDCS, RVT  
  
Evaluate maternal structures and fetal anatomy in the second trimester as well as optimize imaging in a "routine" obstetrical scan.
- 10:00-10:15** **Break/Vendors**
- 10:20-11:20** **Fetal Measurements and Biophysical Profile**  
Cathy Godwin, M.Ed, RTR, RDMS, RDCS, RVT  
  
Review fetal measurements in obstetrical Sonography and evaluate fetal well-being with biophysical profile criteria.
- 11:20-12:20** **Part I: A Survey of Important Fetal CNS Anomalies**  
Thomas M Stubbs, MD  
  
Understand normal CNS anatomy & its pathologic alterations. Recognize a dozen of the most important & difficult anomalies; have a "game plan" for systematic evaluation to detect anomalies.
- 12:20-1:00** **Lunch Included**
- 1:15-1:30** **Vendors**
- 1:30-2:30** **Part II: A Survey of Important Fetal CNS Anomalies**  
Thomas M Stubbs, MD  
  
Understand normal CNS anatomy & its pathologic alterations. Recognize a dozen of the most important & difficult anomalies; have a "game plan" for systematic evaluation to detect anomalies.
- 2:30-3:30** **Diagnosis & Management of Fetal Renal Abnormalities**  
Jeffery C Livingston, MD  
  
Discuss & recognize fetal renal anomalies; become knowledgeable of current management & treatment of fetal renal abnormalities.
- 3:30-4:30** **Update on Current Fetal Interventions**  
Jeffery C Livingston, MD  
  
Discuss current interventional techniques in fetal pathologic processes or disease; determine the sonographer's role in assisting with fetal interventions.

## Room B - AB/Vas

- 8:00-9:00** **The Baby Head Blitz: A Neurosonographic Review**  
Steven M. Penny, BS, RTR, RDMS  
  
Explain sonographic anatomy of newborn brain, suggest protocol for image acquisition, and explain the clinical manifestation of newborn intracranial pathology.
- 9:00-10:00** **Reimbursement & Regulatory Trends in Sonography**  
Sergio Khomyak, MBA, RDMS, RVT  
  
Discuss global issues involving escalating costs of healthcare & trends impacting reimbursement for Sonography services. Review regulatory changes with regard to accreditation & credentialing.
- 10:00-10:15** **Break/Vendors**
- 10:20-11:20** **Musculoskeletal Principles and Case Studies**  
Peter Hindel, MD  
  
Learn basic principles & review musculoskeletal anatomy & pathology through case studies.
- 11:20-12:20** **Pediatric Ultrasound Techniques and Case Studies**  
Peter Hindel, MD  
  
Learn ultrasound techniques for pediatric applications; review pediatric anatomy & pathology through case studies.
- 12:20-1:00** **Lunch Included**
- 1:15-1:30** **Vendors**
- 1:30-2:30** **Use of Diagnostic Ultrasound in Veterinary Medicine**  
Craig Sink, M.A., RDCS, RVT  
  
Discuss the utilization of diagnostic ultrasound in the veterinarian environment; Discuss market trends, challenges, show similarities & differences between human and animal screening.
- 2:30-3:30** **New Technologies in Breast Imaging**  
Craig Sink, M.A., RDCS, RVT  
  
Describe how emerging technologies are helping in the diagnosing & treatment of breast carcinomas.
- 3:30-4:30** **Transcranial Doppler –Techniques and Principles**  
Jill C. Millard, M.Ed, RDMS, RVT  
  
Describe Vasospasm secondary to hemorrhagic CVA; identify various portions of the Circle of Willis Anatomy; distinguish between normal & abnormal intracranial waveforms; list acoustic windows utilized for specific vessels interrogated during the TCD exam.

## Room C - Echo

- 8:00-9:00** **Women's Cardiac Issues**  
Paula Miller, MD  
  
Discuss important issues specific to women's heart health and sonographer's role in assessing those issues.
- 9:00-10:00** **Adult Echocardiography**  
Paula Miller, MD  
  
Discuss current scanning techniques in adult echocardiography.
- 10:00-10:15** **Break/Vendors**
- 10:20-11:20** **Evaluation of Prosthetic Heart Valves**  
Alan Hinderliter, MD  
  
Learn the types of prosthetic heart valves; most common causes of prosthetic valve dysfunction; findings characteristic of normal & abnormal prosthetic valve function.
- 11:20-12:20** **Adult Congenital Heart Disease: A Sonographer's Perspective**, Gary Stupp, RDCS  
  
Explain various congenital heart pathology with recognition of anomalies; discuss the sonographer's role in determining the disease.
- 12:20-1:00** **Lunch Included**
- 1:15-1:30** **Vendors**
- 1:30-2:30** **Echocardiography In Critical Care**  
Jason N. Katz, MD, MHS  
  
Understanding applications & limitations of transthoracic echo cardiography for assessing critically ill patient; hemodynamic assessment using 2D echocardiography & Doppler techniques
- 2:30-3:30** **Evaluation of the Adult Cardiac Surgical Patient**  
Jason N. Katz, MD, MHS  
  
Evaluation of patients likely to benefit from cardiac surgery; high light the intraoperative echocardiographic survey; key information to help guide surgical intervention; evaluate post operative complications using two dimensional echocardiography.
- 3:30-4:30** **Pediatric Echo Protocol—The Basics**  
John Lockhart  
  
Discuss basic pediatric protocol; emphasis the differences between it and basic adult echo performed by most cardiac sonographers; discover what you will need to add to your protocol to perform a basic pediatric echocardiogram.