Imaging Education Associates is pleased to offer…

Virtual Accelerated Internship Programs in Sonography for the RT!

Offered online and on demand from anywhere in the world.

YOUR HOME! YOUR PACE! YOUR CREDITS!

This comprehensive program will provides nearly 40 hours of lectures covering the physical principals of image formation and clinical applications of **Ultrasound (US).** Lectures are available on-line and on-demand. Each video lecture includes state of the art streaming media with corresponding course materials.

*Please note you will have access to the courseware for **1 year** after the date of purchase*
Extended use may be available upon request

Information for Technologists Regarding Virtual Topics:

- This video course will be available at your convenience 24 hours a day / 7 days a week.
- Includes the virtual component of the course (on-line and on-demand).
- Each course includes 12 topics (with 3 state of the art streaming video lectures per topic).
- Course materials include:
    - Handouts (6 on 1 color pdf of PowerPoint slide presentation)
    - Worksheets (3 on 1 black and white pdf of PowerPoint slide presentation-excellent for note taking)
    - Course Evaluation (your input is important to us - please take a moment and complete survey)
    - Virtual Discussion Forum (access to your on-line faculty)
- Each topic is worth category "A" continuing education credits by the SDMS Society, provided it has been completed as designed.
    - The actual number of credits will vary by topic.
    - To claim credits for these "modules", **complete** the post tests by passing with a score of **70% or higher.** (This is according to the SDMS, ARRT, ASRT and SMRT standards for continuing education)

For a Free demonstration of the on-line video lectures go to www.imaginged.com
In the upper right hand corner of the "Home Page" you will find a "How to" video.
For directions for how to access our on-line courseware, print the "Virtual Course Directions" flyer.

Pre-Requisites

To qualify for any of the advanced level examinations offered by the ARRT (for example, Sonography (including specialties in Vascular Sonography and Breast Sonography), MRI, CT, Ultrasound, Mammography, Cardiovascular Interventional Radiography, you **must** be a registered technologist (RT) in Radiography, Radiation Therapy, Nuclear Medicine or Sonography.

Registration and Fees:

- Go to www.Imaginged.com
- In the center of the home page select:
  - I want to enroll in…
  - Choose Ultrasound as your choice of imaging modality
  - Choose Course Method (Virtual)
  - Choose Course Type (Full Course or Individual Modules)
  - Full course cost - $1500.00
  - Individual modules - $135 (Each topic includes 3 video lectures)
  - Payments can be made On-line using our secure partner with Paypal or by check

We also offer other virtual internships for the Registered Technologist including **Magnetic Resonance Imaging** (MRI) and **Computed Tomography** (CT). AND coming soon…**Mammography** and **Cardiovascular Interventional Radiography!**

Please see below for a description of each individual module!

Virtual Ultrasound Lectures!

Discussion forum is always open for your questions

Topic #1 Introduction to Ultrasound **Credits pending!**

This course provides an introduction to the physical principles, clinical applications of ultrasound as well as an overview of general patient care issues for imaging . Within this three-hour program, the attendee will be introduced to ultrasound imaging and provided with a review of general patient care and venipuncture.

Course Name	Speaker
1.1 Introduction to Ultrasound	Barb Annunziato
* 1.2 General Patient Care	Joy Fox
* 1.3 Review Pharmacology and Venipuncture	Joy Fox

Topic #2 Ultrasound Physics & Instrumentation **Credits pending!**

This course provides an overview of ultrasound instrumentation. Within this three-hour program, the attendee will be introduced to basic components of ultrasound equipment, the identification of artifacts, and quality assurance testing as well as introduced to basic ultrasound physics, the mechanics of sound waves, and basic principles of ultrasound imaging.

Course Name	Speaker
2.1 Elementary Principles of Ultrasound Physics	Nate Pinkney
2.2 Ultrasound Instrumentation including Artifacts & Equipment QC	Nate Pinkney
2.3 Doppler	Nate Pinkney

Topic #3 Overview of Cross Sectional Anatomy **Credits pending!**

This course provides a basic overview of the normal anatomy in cross section. This 3 hour series includes cross sectional anatomy of the Brain, Spine, musculoskeletal system, and the body chest, abdomen and pelvis.

Course Name	Speaker
* 3.1 Cross Sectional anatomy of the CNS (Brain & Spine)	Candi Roth
* 3.2 Cross Sectional anatomy of the Musculoskeletal system	Candi Roth
* 3.3 Cross Sectional anatomy of the Body (Chest, Abdomen, Pelvis)	Candi Roth

Topic #4 Hepatobiliary Ultrasound **Credits pending!**

This course provides an overview of normal anatomy of the liver. Within this three-hour program, the attendee will be introduced to basic anatomy, and lab values of the abdominal organs to include: Liver & gall bladder.

Course Name	Speaker
4.1 Hepatobiliary Ultrasound / Normal Liver Ultrasound	Barb Annunziato
4.2 Hepatobiliary Ultrasound / Liver Ultrasound	Barb Annunziato
4.3 Hepatobiliary Ultrasound / Ultrasound of the Biliary Tree	Barb Annunziato

Topic #5 Ultrasound of the Retroperitoneum **Credits pending!**

This course provides a basic overview of normal and abnormal anatomy of the abdomen. Within this three-hour program, the attendee will be introduced to basic anatomy, and lab values of the abdominal organs to include: pancreas, urinary system, spleen, peritoneum, retroperitoneum, and gastrointestinal tract.

Course Name	Speaker
5.1 Ultrasound of Pre-vertebral Vessels	Barb Annunziato
5.2 Identifying normal and abnormal pancreatic anatomy	Barb Annunziato
5.3 Adrenals, Retroperitoneum, and Lymph Nodes	Barb Annunziato

Topic #6 Ultrasound of the Urinary System **Credits pending!**

This course provides a basic overview of normal anatomy of the abdomen. Within this three-hour program, the attendee will be introduced to basic anatomy, and lab values of the abdominal organs to include:, urinary system, , peritoneum, and retro-peritoneum.

Course Name	Speaker
6.1 Ultrasound of the Urinary System **/** Normal Renal Ultrasound	Barb Annunziato
6.2 Ultrasound of the Urinary System **/**Abnormal Ultrasound	Barb Annunziato
6.3 Ultrasound of the Urinary System **/**Ureters, Bladder and Urethra	Barb Annunziato

Topic #7 Introduction to Abdominal Doppler **Credits pending!**

This course provides a basic overview of sonography of the peripheral venous system. Within this three-hour program, the attendee will be presented with basic vascular physical principles, and upper and lower extremity venous imaging as well as abdominal vasculature.

Course Name	Speaker
7.1 Basic Doppler Principles	Barb Annunziato
7.2 Abdominal Vascular anatomy	Barb Annunziato
7.3 Introduction to Abdominal Vascular Sonography	Barb Annunziato

Topic #8 Small Parts Sonography **Credits pending!**

This course provides a basic overview of normal anatomy & abnormal structures of of “small parts”. Within this three-hour program, the attendee will be introduced to basic anatomy, and lab values of the organs to include:, breast, thyroid, parathyroid, prostate and scrotum.

Course Name	Speaker
8.1 I Small Parts of Sonography / Ultrasound of the Breast	Barb Annunziato
8.2 Ultrasound of the Neck (Thyroid and Parathyroid)	Barb Annunziato
8.3 Ultrasound of the Scrotum & Prostate	Barb Annunziato

Topic #9 Miscellaneous Structures **Credits pending!**

This course provides a basic overview of normal anatomy of the abdomen and musculoskeletal structures. Within this three-hour program, the attendee will be introduced to basic anatomy, and lab values of the abdominal organs and musculoskeletal structures to include; peritoneum, stomach, appendix, and skeletal structures . Also within this three-hour program, the attendee will be introduced to basic anatomy, and pathology of the spleen, peritoneum, abdominal wall, chest GI tract and musculature.

Course Name	Speaker
9.1 Spleen, Peritoneal Cavity, and Chest	Barb Annunziato
9.2 Ultrasound of the GI Tract	Barb Annunziato
9.3 Ultrasound of Musculature, Soft Tissues, and Musculoskeletal Scanning	Barb Annunziato

Topic #10 Ultrasound of the Female Pelvis **Credits pending!**

This course provides a basic overview of normal anatomy and sonographic imaging of the female pelvis. Within this three-hour program, the pelvic musculature, physiology, and organs (uterus, ovaries, and rectum) will be discussed..

Course Name	Speaker
10.1 Physiology of the Uterus and Ovaries	TBA
10.2 Ultrasound of the Normal Uterus and Ovaries	TBA
10.3 Ultrasound of the Abnormal Uterus and Ovaries	TBA

Topic #11 OB Ultrasound **Credits pending!**

This course provides a basic introduction to first, second and third trimester gestations. Within this three-hour program, the attendee will be presented with the basic principles of imaging fetal anatomy, biometry, and the assessment of fetal well-being..

Course Name	Speaker
11.1 Fertilization, Implantation, and Lab Tests Anatomy	TBA
11.2 Ultrasound of Fetal (1st trimester) anatomy	TBA
11.3 Fetal anatomy, Fetal Biometry & Assessment of Fetal Well-Being	TBA

Topic #12 Ultrasound Overview **Coming soon!**

This course provides a basic overview of sonography including an overview of what is on the advanced level examinations for sonography, physics, instrumentation, clinical applications and anatomy overview..

Course Name	Speaker
12.1 What do the Content Specifications say about the “Ultrasound Boards” and What are the Clinical Requirements	Carolyn Kaut Roth
12.2 Patient Care and Imaging Procedures Review	Barb Annunziato
12.3 Physical Principles and Instrumentation Review	Nate Pinkney