Clinical Ultrasound in Tropical Infectious Diseases

Lima, Peru
January 13-16, 2015

For More Information contact: Candy Herndon @ cherndon@gru.edu
Join the faculty of the Instituto de Medicina Tropical, Alexander von Humboldt, Cayetano Heredia, Lima, Peru; Georgia Regents University, Department of Emergency Medicine; Office of Emergency and Clinical Ultrasound; and the University of Pavia, Division of Infectious and Tropical Diseases, IRCCS S. Matteo Hospital Foundation as they co-host the fourth Clinical Ultrasound in Tropical Infectious Diseases course in Lima, Peru, January 13-16, 2015.

Providers with experience and/or a special interest in clinical tropical medicine or infectious disease or clinical medicine in resource-limited settings are invited to attend. A pre-course is being offered for those with minimal previous ultrasound experience.

This unique course consists of lectures, demonstrations, and small-group clinical rounds for live ultrasound scanning.

For More Information contact:
Candy Herndon
(866) 593-4911 (US)
cherndon@gru.edu

Course Personnel:

Course Directors (and Faculty Members)

Dr. Eduardo Gotuzzo
Director, Instituto de Medicina Tropical, Alexander von Humboldt, Universidad Peruana Cayetano Heredia (UPCH), Lima, Peru

Dr. W. “Ted” Kuhn
Professor, Director of International and Humanitarian Medicine, Center of Operational Medicine, Georgia Regents University, Augusta, Georgia, USA

Dr. Enrico Brunetti
Assistant Professor of Infectious Diseases, University of Pavia, Division of Infectious and Tropical Diseases, IRCCS S. Matteo Hospital Foundation, Pavia, Italy

Course Faculty

Dr. Matt Lyon
Professor, Director of Office of Emergency and Clinical Ultrasound, Georgia Regents University, Augusta, Georgia, USA

Dr. Tom Heller
Consultant for Internal Medicine and Infectious Diseases, Klinikum Perlach, Munich, Germany

Dr. Richard Gordon
Assistant Professor, Director Emergency Ultrasound, Georgia Regents University, Augusta, Georgia, USA

Dr. Daniel Kaminstein
Director of the Section of International Medicine, Director of Faculty Ultrasound Development, Wellspan York Hospital, York, Pennsylvania, USA

Dr. Ricaurte Solis
Emergency Medicine Physician, Huntsville Hospital System, Huntsville, Alabama, USA; Assistant Professor, Emergency Medicine Residency Program, Georgia Regents University, Augusta, Georgia, USA

Dr. Francesca Tamarozzi
DVM, MD, PhD, WHO Collaborating Center for Clinical Management of Cystic Echinococcosis University of Pavia, Pavia, Italy

Also featuring various other faculty from the Departments of Radiology, Infectious Diseases, and Internal Medicine at Universidad Peruana Cayetano Heredia, Lima, Peru

Course Coordinator
Dr. Pedro Legua
Professor of Internal Medicine, Specialist in Tropical Infectious Diseases, UPCH, Lima, Peru

Conference Coordinator
Candy Herndon
Georgia Regents University, Center of Operational Medicine, Augusta, Georgia, USA
Phone: (866) 593-4911 | Email: cherndon@gru.edu
Registration Information and Costs:

Course Size:
The Course is limited to 24 participants to maximize the small-group learning environment.

Pre-Requisites:
Basic knowledge and scanning skills in clinical ultrasound are preferred. The course is targeted to physicians with special interests in clinical tropical medicine. A pre-course is offered January 12, 2015, for those who would like to refresh their ultrasound skills.

Continuing Medical Education (CME) Credit:
Accreditation - The Medical College of Georgia at Georgia Regents University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians and continuing education units for nurses.

CMEs and CEUs - Applied for

Registration Fee: $1,500 plus CME $100 US Dollars for Registration

Deadline: Applications will be accepted on an ongoing basis. The deadline for registration is December 12, 2014.

Once you submit your application, course faculty will review it and make a decision regarding your acceptance. If you receive a letter of acceptance, a non-refundable 50% deposit will be required to officially reserve your space in the course. (Special circumstances may warrant a refund of your deposit: decisions will be made on a case-by-case basis.) The remainder of the registration fee is due by December 1, 2014, (the final day for registration).

Optional Pre-Course Ultrasound Refresher: There is an optional ultrasound refresher pre-course offered for an additional fee. The price for the pre-course is $250 US (CME credit included), and it will be held at the Instituto de Medicina Tropical, Alexander van Humboldt, Universidad Peruana Cayetano Heredia (UPCH). If you wish to sign up for the pre-course, please make sure that you select this option on your application. The pre-course consists of pre-recorded video lectures on basic scanning techniques, which will be provided to you one month ahead of the course. A one-day hands-on workshop will be held January 12, 2015, one day prior to the start of the Clinical Ultrasound in Tropical Infectious Diseases course. All videos must be completed before the workshop on January 12, 2015. Pre-course participants maintain access to the web lecture series after course conclusion for future reference.

Items that ARE included in registration fee: The registration fee includes course tuition and materials, a course completion certificate, welcome reception and orientation, and transportation to/from the Jose Antonio Executive Hotel in Miraflores to clinical hospital sites and to the closing dinner celebration. Breakfast is provided each morning for participants who are lodging at the Jose Antonio Executive Hotel. (Note – CME credit is an extra $100.)

Items that are NOT included in registration fee: Transportation to and from Lima, transportation to and from the Lima airport to the hotel or guest house accommodations in Lima, breakfast if you do not stay at Jose Antonio Executive Hotel, transportation to and from Jose Antonio Executive Hotel if you do not stay at the Jose Antonio Executive Hotel, lunch and evening meals.
Hotel Information and Travel Policy

Suggested Lodging:
Jose Antonio Executive Hotel
Av. 28 de Julio 398 Miraflores, Lima-18, Peru

Single Room: US $125.00  Double Room: US $140.00  Triple Room: US $165.00

Telephone: (511) 445-7743  Fax: (511) 446-8295  Email: reservas@hotelesjoseantonio.com

You are responsible for making your own hotel reservation. Be sure to ask for the reduced conference rate.

Course Cancellation Policy
A full refund will be given, less a $50 cancellation fee, if cancellation is received in writing prior to the course. Qualified substitutions are permitted. **No written notice – no refund** (except in emergency situations-on a case by case basis).

GRU/COM reserves the right to cancel any course.

Travel Policy
If you are booking your own travel, please do not make any travel arrangements until you receive the course confirmation. Please note that GRU/COM **IS NOT** responsible for any cancellation fees for fares booked.

Curriculum
Specialty lectures by course faculty on Clinical Ultrasound in Tropical Infectious Diseases will be provided to you in video format one month ahead of the course. You will be expected to view all videos prior to going to Lima. The time in Lima will be spent primarily hands-on with actual patients. As such, we cannot guarantee quantity or type of pathology that may be encountered on scanning rounds. Further, we cannot guarantee the same experience for every participant, as we will have to limit the amount of people who can examine each patient with ultrasound.

Small Group Learning Environment
All of the hospital rounds and clinical experience will involve small groups of no more than 6 course participants. It is felt that this will help facilitate learning in a congenial, informal environment while promoting hands-on, practical scanning experience.

Special Needs
The Division of Continuing Education at Georgia Regents University complies with the Americans with Disabilities Act. If you require special services or facilities to support your participation in this continuing education program, contact Candy Herndon, the Conference Coordinator, at (866) 593-4911 or cherndon@gru.edu.
OPTIONAL Pre-Course Refresher on Scanning  
Clinical Ultrasound in Tropical Infectious Disease  
January 12, 2015

In Cooperation with  
Instituto de Medicina Tropical, Universidad Peruana Cayetano Heredia  
Medical College of Georgia, Georgia Regents University, Augusta, Georgia  
University of Pavia-IRCCS S. Matteo Hospital Foundation, Pavia, Italy

Pre-course basic bedside web lecture series includes

Intro to clinician based bedside ultrasound, knobology, and machine maintenance  
Bare bones physics  
Liver and Gallbladder  
The eFAST exam  
Renal  
Abdominal vasculature and peri-aortic lymphnodes  
Superficial soft tissue  
Ultrasound guided venous access  
Ultrasound guided nerve blocks of the extremities  
Lower extremity veins  
Trans abdominal OB - 1st trimester dating and 3rd trimester placenta  
Cardiac  
Lung  
Ocular  
Ultrasound for the undifferentiated hypotensive patient

On Site Pre-course training - Monday January 12, 2015*

08:45 - 09:00  Welcome and Introduction to Pre-course and CME  
09:00 - 09:15  Getting to know the ultrasound machine  
09:15 - 09:30  Liver and gallbladder - live demonstration by faculty group  
09:30 - 10:00  Live scanning exercise liver and gallbladder  
10:00 - 10:15  eFAST live demonstration by faculty  
10:15 - 10:45  Live scanning exercise eFAST  
10:45 - 11:00  Break  
11:00 - 11:15  Abdominal vasculature and peri-aortic nodes - live demonstration by faculty  
11:15 - 11:30  Live scanning exercise abdominal vasculature  
11:30 - 11:45  Ocular ultrasound - live demonstration by faculty  
11:45 - 12:15  Ocular Ultrasound live scanning exercise  
12:15 - 13:15  Lunch  
13:15 - 13:30  Ultrasound guided vascular access and peripheral nerve ID - live faculty demo  
13:15 - 13:30  Ultrasound guided vascular access and peripheral nerve live scanning exercise  
13:30 - 13:45  Lower extremity vein - live demonstration by faculty  
14:45 - 14:15  Live scanning exercise of the lower extremity veins  
14:15 - 14:30  Break  
14:30 - 15:00  Cardiac and lung live demonstration by faculty  
15:00 - 16:00  Cardiac and lung live scanning exercise  
16:00 - 16:30  Rapid case review followed by open question session.  
16:30 - 17:00  Optional open scan time  
17:00  Adjourn

* Pre-course topic schedule subject to change prior to course date. You may follow us on Facebook and EUSacademy.com for the most up to date information.
Conference Schedule
Clinical Ultrasound in Tropical Infectious Disease
Lima, Peru
January 12, 2015- Optional Pre-course
January 13-16, 2015 Course

In Cooperation with
Instituto de Medicina Tropical, Universidad Peruana Cayetano Heredia
Medical College of Georgia, Georgia Regents University, Augusta, Georgia
University of Pavia-IRCCS S. Matteo Hospital Foundation, Pavia, Italy

OPTIONAL PRE-COURSE- Refresher Course on Scanning
Monday January 12, 2015

VIDEOS TO BE PROVIDED AND WATCHED AHEAD OF TIME FOR COURSE

**BASIC MODULE**
Intro to clinician based bedside US
Bare bones physics
Knobology
Care and cleaning of ultrasound machine
Liver
Gallbladder
FAST
Renal
Aorta/(Peri-aortic nodes) (include aortic anatomy)
Superficial/Soft tissue Ultrasound –including cellulitis and abscess
LE Veins
Trans-abdominal OB – 1st trimester dating and 3rd trimester placenta
Cardiac
Lung

**TROPICAL ULTRASOUND MODULE**
Logistics of ultrasound in resource limited settings
Focal Liver Lesions in Tropical Infectious Diseases
Evaluation of superficial and deep abscesses and lymphadenopathy
Ultrasound of the Lung in Infectious Diseases
Ultrasound in extra-pulmonary and Abdominal TB
Ultrasound in HIV
Common Cardiac abnormalities in the developing world- valvular heart disease, constrictive pericarditis
Tropical Cardiac ultrasound (Chagas, Endomyocardial fibrosis)
Ultrasound evaluation of Schistosomiasis
Ultrasound evaluation of Echinococcus
Ultrasound evaluation of Fasciola
Ultrasound in pregnancy in the remote settings
Ocular ultrasound- common infectious and non-infectious abnormalities
Evaluation of Shock in resource limited settings
Evaluation of surgical emergencies in resource limited settings
ULTRASOUND IN TROPICAL INFECTIOUS DISEASES

Monday January 12, 2015
08:00 - 17:00  Arrive in Lima, Peru
19:00 - 21:00 Reception at the Jose Antonio Executive Hotel
   Av. 28 de Julio 398 Miraflores, Lima-18, Peru
   Introduction of Faculty and Participants- Kuhn/Gotuzzo/Legua
   Welcome by Cayetano Faculty (Gotuzzo and Legua)
   Course Logistics, CME etc- Kuhn

Tuesday January 13, 2015
07:00  Leave Jose Antonio Executive Hotel
08:00 - 09:00  Lecture – Cystercosis – Dr. Felix Medina
09:00 - 12:00 US Scanning Rounds – Cayetano (4 stations)
   Small group scanning rounds on wards with faculty - All Faculty
12:00 - 13:00 Lunch – on your own
13:00 - 13:15 Participant presentation
13:15 - 13:30 Participant presentation
13:30 - 14:00 Ultrasound in Infectious Diseases- A Case Presentation - Faculty
14:00 - 15:30 US Demonstrations –group together with live patients - Moderator
15:30 - 16:30 Review of images of patients seen for the day on morning scanning rounds - Moderator
16:30- 17:30 Return to hotel Jose Antonio Executive Hotel

Wednesday January 14, 2015
07:00  Leave Jose Antonio Executive Hotel
08:00 - 09:00  Lecture – Echinococcus – Dr. Enrico Brunetti
09:00 - 12:00 US Scanning Rounds (4 stations)
   Small group scanning rounds on wards with faculty - All Faculty
12:00 - 13:00 Lunch – on your own
13:00 - 13:15 Participant presentation
13:15 - 13:30 Participant presentation
13:30 - 14:00 Ultrasound in Infectious Diseases- A Case Presentation - Faculty
14:00 - 15:30 US Demonstrations –group together with live patients - Moderator
15:30 - 16:30 Review of images of patients seen for the day on morning scanning rounds - Moderator
16:30 - 17:30 Return to hotel Jose Antonio Executive Hotel

Thursday January 15, 2015
07:00  Leave Jose Antonio Executive Hotel
08:00 - 09:00  Lecture – FASH – Dr. Tom Heller
09:00 - 12:00 US Scanning Rounds –Loayza hospital (4 stations)
   Small group scanning rounds on wards with faculty - All Faculty
12:00 - 13:00 Lunch – on your own
13:00 - 13:15 Participant presentation
13:15 - 13:30 Participant presentation
13:30 - 14:00 Ultrasound in Infectious Diseases- A Case Presentation - Faculty
14:00 - 15:30 US Demonstrations –group together with live patients - Moderator
15:30 - 16:30 Review of images of patients seen for the day on morning scanning rounds - Moderator
16:30 - 17:30 Return to hotel Jose Antonio Executive Hotel
ULTRASOUND IN TROPICAL INFECTIOUS DISEASES

Friday January 16, 2015

07:00   Leave Jose Antonio Executive Hotel
08:00 - 09:00 Lecture – Chagas – Dr. Felix Medina
09:00 - 12:00 US Scanning Rounds (4 stations)
   Small group scanning rounds on wards with faculty - All Faculty
12:00 - 13:00 Lunch – on your own
13:00 - 13:15 Participant presentation
13:15 - 13:30 Participant presentation
13:30 - 14:00 Ultrasound in Infectious Diseases- A Case Presentation - Faculty
14:00 - 15:30 US Demonstrations –group together with live patients - Moderator
15:30 - 16:30 Review of images of patients seen for the day on morning scanning rounds - Moderator
16:30 - 17:30 Return to hotel Jose Antonio Executive Hotel
18:15   Bus pick-up at hotel
19:00 - 21:00 Closing Ceremony, Supper and Celebration
2015 Clinical Ultrasound in Tropical Infectious Diseases Course
Application Form

The 2015 Clinical Ultrasound in Tropical Infectious Diseases Course will be held January 13 - 16, 2015, in Lima, Peru, and is limited to 24 participants. To apply, please fill out this form, and mail, email, or fax to:

Georgia Regents University
Attn: Candy Herndon, Conference Coordinator
1120 15th Street, AF-2044
Augusta, GA 30912
United States of America

Email: cherndon@gru.edu
Phone: (866) 593-4911 toll free
Fax: (706) 434-7086

 Fees: registration fee is $1,500 plus CME $100 US Dollars plus an additional $250 if you wish to enroll in the ultrasound refresher pre-course. Applications will be accepted on an ongoing basis. Once you submit your application, the course faculty will review it and make a decision regarding your acceptance. If you receive a letter of acceptance, a non-refundable 50% deposit will be required to reserve your space in the course. The remainder of the registration fee is due by December 1, 2014.

First Name  MI  Last Name

Degree and/or Medical Specialty

Street Address

City  State  Zip Code  County (Georgia Residents only)  Country

Last four digits of SSN# (U.S. Citizens only)  Birth Date

Office Phone (____) (____)  Fax (____) (____)
Country code City code  Country code City code

Home Phone (____) (____)  Mobile (____) (____)
Country code City code  Country code City code

Primary email  Secondary email

☐ Please check the box if you wish to register for the Ultrasound Refresher Pre-Course ($250)

Payment Options – Check or Credit Card

Checks should be made payable to: Georgia Regents University
Credit Card Information:  Card Type: Visa  MasterCard
Card #  Exp. Date:  Security Code:
Name on Card:
Signature:
Address on credit card statement (must match exactly):

Admission Pre-requisites (to be evaluated upon receipt of application)
Since space is limited, please attach a paragraph about your prior experience in tropical infectious diseases and/or clinical ultrasound and why you think this course would be a benefit to you. (500 words max)