

Quantitative CT Imaging of the Lung

Saturday, March 15, 2014

Grand Hyatt San Antonio

San Antonio, Texas



Program Description

This one-day course, co-sponsored by the Society of Thoracic Radiology and the Quantitative Imaging Biomarkers Alliance, will summarize the current state of knowledge regarding the role of quantitative CT of the lungs in diffuse lung disease.

Learning Objectives

At the completion of the course, the attendee will be able to:

- Describe the technical parameters recommended for performing quantitative CT of the lung parenchyma in diffuse lung disease
- Understand the role of CT as a biomarker of diffuse diseases, including COPD and lung fibrosis
- Comprehend newer methods for quantification pulmonary vasculature and lung texture
- Understand the emerging role of MRI in the lung parenchyma

Target Audience

Thoracic radiologists, pulmonologists, imaging scientists.

Credit Information

The Society of Thoracic Radiology is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

The Society of Thoracic Radiology (STR) designates this live activity for a maximum of **6.0 AMA PRA Category 1 Credits™**. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Course Directors

David A. Lynch, MB and Jonathan Goldin, MBChB, PhD

Course Schedule

Moderator: David A. Lynch, MB

7:30 AM - 8:00 AM	Continental Breakfast
8:00 AM - 8:10 AM	Quantitative CT: Role of the Quantitative Imaging Biomarkers Alliance <i>Daniel C. Sullivan, MD</i>
8:10 AM - 8:30 AM	What Do Clinicians Want from Imagers? <i>George R. Washko, M.D.</i>
8:30 AM - 8:50 AM	QCT of the Airways <i>Sean B. Fain, PhD</i>
8:50 AM - 9:10 AM	Clinical Evidence for CT as a Biomarker in COPD <i>Jonathan Goldin, MBChB, PhD</i>
9:10 AM - 9:30 AM	QIBA Profile: Computed Tomography: Lung Densitometry <i>Philip F. Judy, PhD</i>
9:30 AM - 10:00 AM	Discussion
10:00 AM - 10:20 AM	Break

Moderator: John D. Newell, Jr., MD

10:20 AM - 10:40 AM	QCT in Lung Cancer Screening <i>Pim de Jong, MD, PhD</i>
10:40 AM - 11:00 AM	Quantification of Pulmonary Vasculature on CT <i>Raul San Jose Estepar, PhD</i>
11:00 AM - 11:20 AM	QCT in Lung Fibrosis <i>David A. Lynch, MB</i>
11:20 AM - 11:40 AM	Texture Based Approaches to Image Analysis <i>Joyce D. Schroeder, MD</i>
11:40 AM - 11:50 AM	Discussion
12:00 PM - 1:30 PM	Sponsored Lunch: Workstation Demonstrations Moderator: Geoffrey D. Rubin, MD
1:30 PM - 2:30 PM	Scientific Presentations Moderators: Jonathan Goldin, MBChB, PhD and Raul San Jose Estepar, PhD
2:30 PM - 2:50 PM	MRI of the Lung <i>Yoshiharu Ohno, MD, PhD</i>
2:50 PM - 3:10 PM	Break
3:10 PM - 3:30 PM	Quantitative CT of the Lung in Normal Subjects <i>Eric A. Hoffman, PhD</i>
3:30 PM - 4:15 PM	Panel Discussion: What is Necessary to Bring QCT into your Reading Room <i>All Speakers</i> Moderator: Warren B. Gefter, MD

Faculty

Pim de Jong, MD, PhD <i>University Medical Center Utrecht</i>	David A. Lynch, MB <i>National Jewish Health</i>
Raul San Jose Estepar, PhD <i>Brigham and Women's Hospital</i>	John D. Newell, Jr., MD <i>University of Iowa</i>
Sean B. Fain, PhD <i>University of Wisconsin - Madison</i>	Yoshiharu Ohno, MD, PhD <i>Kobe University</i>
Warren B. Gefter, MD <i>University of Pennsylvania</i>	Geoffrey D. Rubin, MD <i>Duke University</i>
Jonathan Goldin, MBChB, PhD <i>UCLA – David Geffen School of Medicine</i>	Joyce D. Schroeder, MD <i>National Jewish Health</i>
Eric A. Hoffman, PhD <i>University of Iowa</i>	Daniel C. Sullivan, MD <i>Duke University</i>
Philip F. Judy, PhD <i>Brigham and Women's Hospital</i>	George R. Washko, MD <i>Brigham & Women's Hospital</i>

Registration

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\$150.00 **\$ 75.00 residents/fellows**

Meeting Registration Link

<https://thoracicrad.secureserverdot.com/meetings/registration/2014/registration.asp>

Hotel Registration

<https://resweb.passkey.com/go/SOTH2014>