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 for performing and quantitatively analyzing CT of the lung parenchyma in diffuse lung diseases;
• Summarize the role of quantitative CT in diffuse lung diseases including asthma, COPD and fibrosing lung diseases;
• Understand the importance of quantitative CT as a biomarker of diffuse lung disease.

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 6.25 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Course Directors
Jonathan Goldin, MBChB, PhD & David A. Lynch, MB

Course Schedule
7:30 AM  Continental Breakfast
8:00 AM  Development of Quantitative CT Lung Protocols
John D. Newell, Jr., MD
8:20 AM  What Can We Learn from CT Phantoms?
Philip F. Judy, PhD
8:40 AM  Sources of Variation in Quantitative CT of the Lungs
Harvey O. Coxson, PhD
9:00 AM Establishing Normal Reference Values in QCT
R. Graham Barr, MD, DrPH
9:20 AM COPD
David A. Lynch, MB
9:40 AM Group discussion
10:00 AM  BREAK
10:20 AM Asthma
Eric A. Hoffman, PhD
10:40 AM Fibrosing Interstitial Lung Diseases
Brian J. Bartholmai, MD
11:00 AM Cystic Fibrosis
Alan S. Brody, MD
11:20 AM Clinical Impact of QCT Measurements
Donald P. Tashkin, MD
**Program**

**Tuesday, March 13, 2012**

6:30 AM  Continental Breakfast  
Case of the Day  
Moderator:  
Melia L. Rosado de Christenson, MD

7:00 AM  Case of the day 5  
Travis S. Henry, MD

7:10 AM  Case of the day 6  
Danielle M. Seaman, MD

7:20-8:20 AM  Scientific Session III: Technology  
Moderators:  
Andrew Bierhals, MD, MPH  
& Jonathan A. Leipsic, MD, FRCP

**Session IX: Vascular Imaging (SAM)**

**Mariners Ballroom**  
Moderator:  
William F. Aufferman, MD

1:00 PM  Update in Lymphoma Imaging  
Vittorio V. Mura, MD

1:30 PM  Rad-path Report: Initial Experience with  
Combined Radiology and Pathology  
Reporting for Lung Cancer  
Ferdinand G. Abin, MD

2:00 PM  Staging Esophageal Cancer  
Richard M. Gore, MD

2:30 PM  The Post Operative Chest  
Jo-Anne O. Shepard, MD

3:00 PM  Break

**Salon DEFG**  
Moderator:  
Judith K. Amorosa, MD, FACR

3:20 PM  Congenital Lung Disease in the Adult  
Kristopher W. Cummings, MD

3:50 PM  Thoracic Imaging in the Combat Zone  
John P. Lichtenberger III, MD

4:20 PM  The Five Wishes of a Radiology Patient  
Stephen J. Swensen, MD

4:50 PM  Discussion / Questions

**Mariners Ballroom**  
Moderator:  
John C. Wandtke, MD

3:20 PM  Patterns of Pleural Disease  
Wallace T. Miller, Jr., MD

3:50 PM  Complex Esophageal Injuries  
Roshan Nodar, MD

4:20 PM  PET-CT: Strategies to Reduce  
Granuloma Rejection  
Linda B. Haromati, MD

4:50 PM  Discussion / Questions

6:00 – 7:00 PM  Student/Resident/Fellow Reception

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**Wednesday, March 14, 2012**

6:30 AM  Continental Breakfast  
Case of the Day  
Moderator:  
Melia L. Rosado de Christenson, MD

7:00 AM  Case of the day 7  
Arthur S. Souza, Jr., MD, PhD

7:10 AM  Case of the day 8  
Tyler H. Ternes, MD

7:20-8:20 AM  Scientific Session IV: Cardiac Imaging  
Moderators:  
Smita Patel, MBBS, MRCP, FRCP  
& Sanjeev Bhalla, MD

**Session XII: Cardiac Imaging (SAM)**

**Mariners Ballroom**  
Moderator:  
Gautham P. Reddy, MD, MPH

8:30 AM  Coronary Anatomy / Normal Variants  
Alison G. Wilcox, MD

8:50 AM  Coronary Artery Anomalies  
Laura E. Heyneman, MD

9:10 AM  Coronary CT: Not How, but Who – An  
Evidence Based Analysis  
Gregory D.N. Pearson, MD, PhD

9:30 AM  Advanced Cardiac CT Image Acquisition  
Techniques  
U. Joseph Schaefer, MD, FAHA, FSCST-MR, FSCCT

9:50 AM  Break

**Session XIII: Cardiac Imaging (SAM)**

**Mariners Ballroom**  
Moderator:  
Andre J. Duerinckx, MD, PhD

10:10 AM  Pathology of Coronary Artery Disease  
Seth J. Kligerman, MD

10:30 AM  Coronary Bypass Grafts  
Smita Patel, MBBS, MRCP, FRCP

10:50 AM  Coronary Artery CTA Pitfalls  
Jared D. Christensen, MD

11:10 AM  Options for Lowering Dose  
Loren H. Katz, MD

11:30 AM  Cardiac Anatomy and Pitfalls  
Lynn S. Broderick, MD, FACR

11:50 AM  Discussion / Questions

12:00 PM  Awards Ceremony  
Tan-Luwan H. Mohammed, MD, FCCP

12:10 PM  LUNCH (on own)

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**Huntington Beach / Orange County Information**

Huntington Beach – Surf City USA® defines Southern California. Enjoy the relaxed California beach culture as you explore the Huntington Beach Pier and visit the landmark Surfing Walk of Fame, Hall of Fame and International Surf Museum.

In addition, be sure to enjoy the variety of local attractions such as Disneyland®, Knott’s Berry Farm, Catalina Island, and the Aquarium of the Pacific, which are all within an easy drive from the resort.
Faculty

Gerald F. Abbott, MD  
Massachusetts General Hospital

Denise R. Aberle, MD  
UCLA – David Geffen School of Medicine

Fereidoun G. Ablin, MD  
UCLA – David Geffen School of Medicine

Prachi P. Agarwal, MD  
University of Michigan Health Systems

Jeffrey B. Alpert, MD  
SUNY Downstate State Medical Center

Judith K. Amorosa, MD, FACP  
Robert Wood Johnson Medical School – UMDNJ

William F. Auffermann, MD  
Emory University School of Medicine

Sanjeev Bhalla, MD  
Mallinckrodt Institute of Radiology

Andrew J. Bierhals, MD, MPH  
Mallinckrodt Institute of Radiology

William C. Black, MD  
Dartmouth-Hitchcock Medical Center

Phillip M. Boiselle, MD  
Beth Israel Deaconess Medical Center

Lynn S. Broderick, MD, FACR  
University of Wisconsin – Madison

Brett W. Carter, MD  
Baylor University Medical Center

Matthew D. Cham, MD  
Mount Sinai School of Medicine

Marvin H. Chazen, MD  
University of Texas MD Anderson Cancer Center

Caroline Chiles, MD  
Wake Forest University School of Medicine

Jared D. Christensen, MD  
Duke University Medical Center

Jonathan H. Chung, MD  
National Jewish Health

Kristopher W. Cummings, MD  
Mallinckrodt Institute of Radiology

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University of Maryland Medical Center

Warren B. Geifer, MD  
Hospital of the University of Pennsylvania

Michelle S. Ginsberg, MD  
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Gregory W. Gladish, MD  
University of Texas MD Anderson Cancer Center

Myrta C.B. Godoy, MD  
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Marc V. Gosselin, MD  
Oregon Health & Science University

Curtis E. Green, MD  
Fletcher Allen Health Care

Linda B. Haramati, MD  
Albert Einstein College of Medicine

Thomas E. Hartman, MD  
Mayo Clinic Rochester

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University of South Florida

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Alpert Medical School, Brown University

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Emory University

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University of New Mexico

Seth J. Kligerman, MD  
University of Maryland Medical Center

Jane P. Ko, MD  
New York University - Langone Medical Center

Christopher Lee, MD  
USC Keck School of Medicine

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David Grant USAF Medical Center

Diana Litmanovich, MD  
Beth Israel Deaconess Medical Center

David A. Lynch, MD  
National Jewish Health

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University of Pennsylvania Medical Center

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Children's Hospital of Philadelphia

Victorine V. Muse, MD  
Massachusetts General Hospital

Isabel B. Oliva, MD  
Yale University School of Medicine

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Columbia University

Sudhakar N. J. Pipavath, MBBS, MD  
University of Washington School of Medicine

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Oregon Health and Science University

Robert D. Pugatch, MD  
University of Maryland Medical Center

Leslie E. Quirt, MD  
University of Michigan Health System

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University of Washington School of Medicine

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University of Louisville

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University of Missouri – Kansas City

Santiago E. Rossi, MD  
Centro de Diagnostico Rossi - Argentina

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Ami N. Rubinowitz, MD  
Yale University School of Medicine

Ernest M. Scalzetti, MD  
SUNY Upstate Medical Center

Mark L. Schieber, MD  
University of Wisconsin - Madison

U. Joseph Schoepf, MD, FAHA, FSCCT  
Medical University of South Carolina

Danielle M. Seaman, MD  
Duke University Medical Center

Jean M. Seely, MD  
Ottawa Hospital

Joon Beom Seo, MD  
University of Ulsan College of Medicine - Republic of Korea

Jo-Anne O. Shepard, MD  
Massachusetts General Hospital

Maria C. Shaiu, MD  
New York University - Langone Medical Center

Arlene Sirajuddin, MD  
Northwestern University

Arthur S. Souza Jr., MD, PhD  
Faculty of Medicine of Sao Jose do Rio Preto - Brazil

Stephen J. Swensen, MD  
Mayo Clinic Rochester

Robert D. Tarver, MD  
Indiana University

Tyler H. Ternes, MD  
Saint Luke's Hospital of Kansas City

Mylene T. Truong, MD  
University of Texas MD Anderson Cancer Center

John C. Wandtke, MD  
University of Rochester Medical Center

Jubal R. Watts, Jr., MD, FCCP  
University of Alabama at Birmingham

Charles S. White, MD  
University of Maryland Medical Center

Alison G. Wilcox, MD  
USC Keck School of Medicine

Carol C. Wu, MD  
Massachusetts General Hospital

Carl J. Zylak, MD, FRCP  
Henry Ford Hospital
Course Description
Thoracic Imaging 2012 is the Thirtieth Annual Meeting and Postgraduate Course of the Society of Thoracic Radiology. This 4-day course will feature internationally recognized experts in imaging of the lungs, heart, thoracic vasculature, mediastinum, and pleura, and will include dedicated symposia on the following subjects:
- Chest Radiography
- Pulmonary Infections
- Interstitial Lung Disease
- Airways Disease
- Lung Cancer Diagnosis and Imaging
- Lung Cancer Follow-up
- Lung Cancer Screening
- Imaging Assessment and Management of Indeterminate Lung Nodules
- Pulmonary Vascular Imaging
- Imaging and Management of Thymic Malignancies
- Cardiac Imaging
- Aortic Imaging

Felson Lecture:
“Hitting the Target: Molecular Targets of Lung Cancer – The Radiologist’s Role in Obtaining Tissue for Molecular Diagnosis”

Gamsu Lecture:
“National Lung Screening Trial: Implications for Practice”

Scanlon Symposium:
“New Concepts in Imaging and Management of Thymic Malignancies”

Scientific Sessions and Poster Presentations

Image Interpretation Session
illustrating the expert approach to image interpretation and differential diagnosis of complex unknown cases.

Small Group Interactive Workshops
by experts in thoracic imaging, offering detailed review of thoracic malignancies, cardiovascular imaging, pleural disease, congenital lesions and other topics.

Five Self-assessment Modules (SAMs)
certified by the American Board of Radiology.

Course Objectives
At the completion of the course, the attendee will be able to:
- describe and implement basic strategies in radiographic interpretation.
- summarize the imaging findings of various pulmonary infections.
- comprehend current concepts in the imaging and management of interstitial lung disease.
- protocol imaging studies for the assessment of patients with diseases of the large and small airways.
- list current concepts in and implement strategies for lung cancer imaging and staging.
- understand the implications of the National Lung Cancer Screening Trial in radiology practice.
- discuss current guidelines for imaging the pulmonary arteries, including the evaluation of the pregnant patient, and implement dose reduction strategies in daily practice.
- summarize current concepts regarding the diagnosis and management of thymic malignancy and implement reporting recommendations for suspected thymic neoplasms.
- comprehend basic concepts of cardiac imaging anatomy and apply these to the diagnosis of coronary artery disease, myocardial abnormalities and valvular disorders.
- discuss current concepts in acute aortic syndromes and implement state-of-the-art imaging evaluation of diseases of the aorta.
- understand and apply technological advances in computed tomography (CT), magnetic resonance (MR) imaging, and positron emission tomography (PET) as they relate to thoracic diseases.

Statement of Need
Radiologists and practitioners with an interest in the science and practice of cardiothoracic imaging need to acquire comprehensive knowledge of the diagnosis, imaging, and management of affected patients to achieve excellence in delivery of care.

Target Audience
The Target Audience includes cardiothoracic radiologists, diagnostic radiologists, pulmonary medicine specialists, cardiothoracic surgeons, and residents and fellows with an interest in cardiothoracic imaging. Because of the prevalence of diseases of the chest in the general population, the course will also be of value to general internists, family medicine specialists, and primary care practitioners.

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 31.75 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

General Meeting Information

Registration Information
Registration will be located outside the Grand Ballroom (Salon DEFG) at the hotel. Registration begins on Saturday, March 10 from 1:00-5:00 pm and will be held during the normal hours of the meeting. Registration rates can be found on the registration form in the brochure. Early registration rate applies before February 2, 2012. The registration fee includes a syllabus, continental breakfasts, breaks and a welcome reception. The reception is for all registrants and their guests.

Cancellation
A $100 administrative fee will be retained if registration is cancelled prior to February 24, 2012. Thereafter, no refunds can be made. Cancellations will be accepted in writing only, via fax or email.

Society Membership Information
Membership in the Society of Thoracic Radiology is open to any radiologist who has an interest in thoracic radiology. For more information, contact the Society of Thoracic Radiology, c/o Matrix Meetings, Inc., 1202/ Seventh Street NW, Suite 209, Rochester, MN 55901; Telephone: 507-288-5620; Fax: 507-288-0014; E-mail: str@thoracicrad.org; Internet: www.thoracicrad.org.

Be sure to apply for membership prior to February 2, 2012 to receive the STR member rate for the 2012 Annual Meeting.

Americans with Disabilities
Individuals who need auxiliary aids or services as identified in the Americans with Disabilities Act, please contact the Society office at least two weeks prior to the meeting by phone (507-288-5620), fax (507-288-0014), or e-mail str@thoracicrad.org.

Ground Transportation
Hertz Car Rental has been designated as the car rental agency for the meeting. Special rates have been extended to our group with weekly rates starting at $254.00 for car rental in California. Reservations may be made by calling Hertz at 800-654-2240, your local Hertz office, or your travel agent. The Hertz Identification number is CV# 04M00002, must be identified to obtain the special rates.

The John Wayne/Orange Country Airport is approximately 12 miles (20 minutes) from the Hyatt Regency Huntington Beach resort. A taxi will cost approximately $35, and the Super Shuttle (800-BLUEVAN) is $24 + $9 per person in your party. Transportation information for the Long Beach and Los Angeles airports will be provided in the registration confirmation letter.
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
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Target Audience
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Course Directors
Jonathan Goldin, MBChB, PhD & David A. Lynch, MB

Course Schedule
7:30 AM  Continental Breakfast
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10:40 AM  Fibrosing Interstitial Lung Diseases
  Brian J. Bartholmai, MD
11:00 AM  Cystic Fibrosis
  Alan S. Brody, MD
11:20 AM  Clinical Impact of QCT Measurements
  Donald P. Tashkin, MD
11:40 AM  Panel Discussion
  Moderators: Hyun J. (Grace) Kim, PhD and
             David A. Lynch, MB
12:00 PM  LUNCH
1:00 PM  Scientific Presentations
  Moderators: Matthew S. Brown, PhD and
             Jonathan Goldin, MBChB, PhD
2:00 PM  Dose Reduction in Quantitative CT
  Michael F. McNitt-Gray, PhD, DABR
2:20 PM  Quantitative Imaging Biomarkers Alliance
  Daniel C. Sullivan, MD
2:40 PM  BREAK
3:00 PM  Biomarkers for COPD
  Stephen Rennard, MD
3:20 PM  FDA Requirements for QCT in Registration Trials
  Jonathan Goldin, MBChB, PhD
3:40 PM  Discussion, Closing Remarks
  Jonathan Goldin, MBChB, PhD & David A. Lynch, MB

Faculty
R. Graham Barr, MD, DrPH
  Columbia University
Brian J. Bartholmai, MD
  Mayo Clinic
Alan S. Brody, MD
  Children's Hospital Medical Center
Matthew S. Brown, PhD
  UCLA - David Geffen School of Medicine
Harvey O. Coxson, PhD
  The University of British Columbia
Jonathan Goldin, MBChB, PhD
  UCLA - David Geffen School of Medicine
Eric A. Hoffman, PhD
  University of Iowa Hospitals and Clinics
Philip F. Judy, PhD
  Brigham and Women's Hospital
Hyun J. (Grace) Kim, PhD
  UCLA - David Geffen School of Medicine
David A. Lynch, MB
  National Jewish Health
Michael F. McNitt-Gray, PhD, DABR
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John D. Newell, Jr., MD
  University of Iowa
Stephen Rennard, MD
  University of Nebraska Medical Center
Daniel C. Sullivan, MD
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  UCLA – David Geffen School of Medicine
MEETING REGISTRATION FORM
Thoracic Imaging 2012 • March 11 – 14, 2012
Hyatt Regency Huntington Beach Resort and Spa • Huntington Beach, California

Name ___________________________ Degree ___________________________

Accompanying Spouse or Companion Name ____________________________________

Institution ____________________________________________________________ City ___________________________
Address ____________________________________________________________ City __________________________
State __________ Zip __________ Country ____________________________

Home Address __________________________________________________________ Business Address ________________________________________________________

Office Phone ___________________________ Cell Phone ___________________________

E-mail ___________________________

TUITION (US dollars): DEADLINE FOR MEMBERSHIP APPLICATION SUBMISSIONS - February 2, 2012
Circle the appropriate tuition

O STR Member in good standing __Sr. __ In-Training __ Associate

Before/on February 2
February 2 to March 7
On-site and after March 7

$595 $645 $670

O Practicing Physician

$795 $1,025 $1,050

O__Resident __Fellow __Technologist __Retired

(verbatim letter required for residents and fellows)

$695 $745 $770

O ONE (1) In-Training PRESENTING AUTHOR

of a Case-of-the-day or abstract (oral or poster)

$325 $325 $325

O One-day Registration

Circle day attending: Sun Mon Tue Wed

$325 $325 $325

O Quantitative CT Imaging of the Lung, Saturday, March 10, 2012

$120 $120 $120

O__Resident __Fellow

$60 $60 $60

Please advise if you will participate in the following events.

Reception (open to all registrants)

O Sunday, March 11

_____ # Adults _____ # Children

Society Members Business Meeting Luncheon (STR Members only)

O Monday, March 12

Method of Payment

O Check # ___________________ (make check payable to Society of Thoracic Radiology)

O VISA O MasterCard O Discover O American Express

Cardholder Name (print)________________________________________________________

Credit Card #_________________________ Expiration Date _______________________

(charge from Matrix Meetings, Inc. will appear on your statement)

Cardholder Signature________________________________________________________

Return completed form with payment to: Society of Thoracic Radiology
c/o Matrix Meetings, Inc.
1202/1 7th Street NW, Suite 209
Rochester, MN 55901 USA
Phone: 507-288-5620
Fax: 507-288-0014
E-mail: str@thoracicrad.org

Cancellation Policy: Full refunds, less $100 administrative fee, will be given in response to a written notice of cancellation received by February 24, 2012. No refunds will be issued after this date.

Advance Registration Deadline: February 2, 2012

An e-mail confirmation will be sent upon receipt of your registration.

To keep brochure intact, you may photocopy forms.

Brochure and registration also available on the STR website: www.thoracicrad.org
HOTEL RESERVATION FORM
The Hyatt Regency Huntington Beach Resort and Spa
Society of Thoracic Radiology • Thoracic Imaging 2012
Thirtieth Annual Meeting • March 11 – 14, 2012

A limited number of rooms have been reserved. Rooms are available on a first come, first served basis. Please make your hotel reservations early to ensure availability and receive the special rates. All reservations must be received by Thursday, February 2, 2012. Room rates are good for three (3) days before and three (3) days after the official meeting dates, based upon hotel availability.

Check in 4:00 pm Check out 11:00 am

$259 Single/Double + tax A deposit in the amount of one night room & tax for each of the confirmed rooms will be due from individuals attending the meeting 14 days after the room is confirmed by the Hotel but no later than the cut off date (February 2, 2012). Personal checks, money orders or a valid American Express, Diners Club, Discover Card, VISA or MasterCard number and expiration date will be needed for the deposit.

Name________________________________________________________
Address________________________________________________________
City __________________________ State __________ Zip __________
Telephone Office __________________________ Home __________________________
Fax __________________________ E-mail __________________________

Arrival Date __________________________ at __________________________ am/pm

Departure Date __________________________ at __________________________ am/pm

Charge to my credit card 
Expiration Date __________________________ O VISA O MasterCard O American Express O Diners Club O Discover
Cardholder Name __________________________________________ (as appearing on credit card)
Signature __________________________________________

Please circle desired accommodation: King Two Doubles

Special Request: Number of rooms required ________  O Smoking  O Non Smoking

Crib required ________ Handicap accessible ________ Other __________________________

List guest(s) sharing room: (if any) __________________________

PLEASE NOTE: Checks should be made payable to the Hyatt Regency Huntington Beach Resort and Spa

Return to: Hyatt Regency Huntington Beach Resort and Spa
Attn: Group Reservations
21500 Pacific Coast Highway
Huntington Beach, CA 92648

Reservations Number: 714-698-1234
Fax Number: 714-845-4990
Corporate/Group #: SOTR
Or to be directed to a dedicated booking website: https://resweb.passkey.com/go/SOTR

To keep brochure intact, you may photocopy form.
Quantitative CT Imaging of the Lung

Saturday, March 10, 2012
Hyatt Regency Huntington Beach
Huntington Beach, California

Program Description
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• Understand the importance of quantitative CT as a biomarker of diffuse lung disease.

Target Audience
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Course Directors
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