FROM THE STR PRESIDENT-ELECT

Dear STR Members:

As Chair of the Program Committee, I would like to invite you to attend our next annual meeting to be held March 13 – 16, 2016 at the spectacular Hyatt Regency Resort & Spa at Gainey Ranch in Scottsdale, Arizona (http://scottsdale.hyatt.com/en/hotel/home.html). Dr. Jeffrey Kanne, Chair of the Education Committee, his committee members, and I have made great progress in planning an exciting program.

In response to preferences expressed by the majority of attendees at last year’s meeting, we have structured a dynamic program that will retain the 15-minute didactic lecture format thereby permitting the greatest number of members to share their expertise. We intend to expand the number of combined scientific and educational sessions and will be trialing computer-based posters at the meeting for the first time.

In this era of value-based Radiology, we are planning a new session dedicated to “Quality and Best Practices” and in the “New and Emerging
Technologies” session, Dr. Michael Kuo will give the Gordon Gamsu Memorial Lecture on “Radiogenomics.” Our two other invited speakers, Dr. Michael Gould (Benjamin Felson Memorial Lecture) and Dr. Stephen Lam (Scanlon Lecture), are pulmonologists and nationally-recognized experts in the fields of pulmonary nodule management and lung cancer screening who will be giving their lectures on the Monday of the meeting.

Dr. Jane Ko, Chair of the Research Committee, will speak on “Achieving Grant Funding” during the Tuesday afternoon Career Development Session for fellows and junior faculty members; her presentation will be followed by a panel discussion and then a reception for students, residents, and fellows. Please encourage your trainees in attendance to participate in this event.

On March 12, the Saturday preceding the annual meeting, we again will be holding a full-day lung cancer screening seminar designed to provide state-of-the-art information on how to develop and sustain a high quality program. Drs. Denise Aberle, Caroline Chiles, and David Lynch, the co-directors of this seminar, have done an outstanding job of selecting topics and speakers who will provide comprehensive coverage of the administrative, logistical, and medical aspects of screening.

In closing, as in past years, I anticipate next year’s annual meeting will be a high value event during which our membership comes together to share knowledge and experiences. I hope that I will have the pleasure of seeing you in Scottsdale in March 2016!

Sincerely,
Ann Leung, MD
STR President-Elect
I am delighted to share the recent news that JTI’s Impact Factor (IF) increased from 1.489 in 2013 to 1.735 in 2014. The IF is a quantitative measure of the frequency with which an “average article” in a journal is cited in the literature during a particular time period. For example, the 2014 IF is calculated by dividing the number of citations in 2014 by the total number of articles published in the two previous years. Since 2011, JTI’s IF has increased by 80%, and the journal now ranks 64 among 125 radiology journals.

I would like to recognize the authors of our top-cited articles in 2014 that were published in 2012 and 2013:


7. *Pulmonary Artery Measurements in Pulmonary Hypertension: the Role of Computed Tomography,*
   by Abdelkader Mahammedi, et al.

8. *Magnetic Resonance Imaging for Lung Cancer,*
   by Hisanobu Koyama, et al.

   by Michael Bettman, et al.

10. *Magnetic Resonance Imaging of Cystic Fibrosis Lung Disease,*
    by Mark Wielpuetz, et al.

I would also like to bring to your attention the September 2015 issue of JTI, which includes a timely review article entitled “Lung Cancer Screening: CT Radiation and Protocols” by Venkatesh Murugan, Mannu Kalra and colleagues. This issue also includes a variety of original research articles devoted to topics that are relevant to the daily practice of cardiothoracic radiology. I hope that you will enjoy reading these new JTI articles and re-reading our top-cited papers from 2012 and 2013.
Cardiothoracic Imaging Fellows 2015-2016

Beth Israel Deaconess Medical Center

Dominique C. DaBreo, MD
BIRTHPLACE | Hamilton, Canada
RESIDENCY | The Ottawa Hospital, Ottawa, Canada
FUTURE PLANS | To Be Determined

Brigham and Women’s Hospital

Christine Boudreau, MD
RESIDENCY | Laval University, Quebec, Canada

Jane Denise Cunningham, MB BCh BAO BMedSci
BIRTHPLACE | Cork, Ireland
RESIDENCY | Beaumont Hospital/RCSI, Dublin, Ireland; Fellowship Oncologic Imaging Fellow, Memorial Sloan Kettering Cancer Center, New York

China-Li Hillman, MD
RESIDENCY | University of Manitoba, Canada

Cleveland Clinic

Shamseldeen Younes Mahmoud, MD
BIRTHPLACE | Egypt
RESIDENCY | Assiut University, Egypt
FUTURE PLANS | Further fellowship training 2016-2017, after that plans for a job, preferably in an academic institution.
Cardiothoracic Imaging Fellows 2015-2016

Marie-Michèle Thériault, MD

**Birthplace** | Rimouski, Quebec, Canada  
**Residency** | Université de Sherbrooke, Quebec, Canada  
**Future Plans** | Academic radiology at Université de Sherbrooke, Quebec, Canada

Raja Sekhar Anne, MD

**Birthplace** | Arcadia, CA.  
**Residency** | SUNY Downstate Medical Center, Brooklyn  
**Future Plans** | Cardiothoracic Imaging

Lila Pourzand, MD

**Birthplace** | Iran  
**Residency** | Radiology Residency, Kaiser Foundation /LAMC; Nuclear Medicine Fellowship, LAC-USC; Internal Medicine Residency, LAC-USC  
**Future Plans** | Working as a thoracic radiologist

Sachin B. Malik, MD

**Birthplace** | Los Angeles, CA  
**Residency** | Diagnostic Radiology, Kaiser Los Angeles Medical Center; Internal Medicine Prelim, Kaiser Los Angeles Medical Center  
**Future Plans** | Get a full time job!

Tina D. Tailor, MD

**Birthplace** | Jacksonville, North Carolina  
**Residency** | Diagnostic Radiology Residency, University of Washington Medical Center  
**Future Plans** | Academic cardiothoracic radiology
Cardiothoracic Imaging Fellows 2015-2016

Frank W. Sanchez, MD  
**Birthplace**: New York, NY  
**Residency**: MUSC, Charleston, SC; Emory University  
**Future Plans**: Academic position in the USA

Stephen James Cella, MD  
**Birthplace**: Langhorne, PA  
**Residency**: University of South Florida, Morsani College of Medicine  
**Future Plans**: Private or academic job with a focus on cardiothoracic imaging

Mark Morris Hammer, MD  
**Birthplace**: Cleveland, OH  
**Residency**: Mallinckrodt Institute of Radiology  
**Future Plans**: Academic chest radiology

Ashkan Ghaneie, MD  
**Birthplace**: Tehran, Iran  
**Residency**: University of South Florida - Tampa  
**Future Plans**: Either academics or private practice

Sreevathsan Sridhar, MDc.  
**Birthplace**: Raleigh, NC  
**Residency**: Mallinckrodt Institute of Radiology-Washington University at St. Louis  
**Future Plans**: Either academics or private practice
Cardiothoracic Imaging Fellows 2015-2016

Lancia L.Q. Guo, MD

Birthplace | Hangzhou, P.R. China
Residency | Foothills Medical Centre. University of Calgary, Canada
Future Plans | Academic radiology with subspecialty interests in Thoracic and Cardiac Imaging

Thomas Keimig, MD

Birthplace | Troy, MI
Residency | Henry Ford Hospital
Future Plans | Henry Ford Hospital as Thoracic Imaging Staff

John (Jay) Nance, MD

Birthplace | McConnells, S.C.
Residency | Johns Hopkins Hospital
Future Plans | Academic Cardiothoracic Imaging

Hristina Natcheva, MD

Birthplace | Moscow, Russia
Residency | Mount Sinai Beth Israel Medical Center
Future Plans | Academic or Private Practice

Suzanne C. Byrne, MD

Birthplace | St. John’s, Newfoundland
Residency | Radiology Residency at Memorial University of Newfoundland
Future Plans | Unknown
Cardiothoracic Imaging Fellows
2015-2016

Subramanian Subramanian MD
BIRTHPLACE | Pudukkottai, Tamilnadu, India
RESIDENCY | All India Institute of Medical Sciences, New Delhi, India
FUTURE PLANS | Academic Practice

Stephanie Tan, MD
BIRTHPLACE | Quebec, CANADA
RESIDENCY | University of Montreal, Montreal
FUTURE PLANS | To Be Determined

Tami Jessica Bang, MD
BIRTHPLACE | South Bend, IN
RESIDENCY | University of Colorado, Diagnostic Radiology
FUTURE PLANS | Undecided

Matthew Jacob Stephens, MD
BIRTHPLACE | Muncie, IN
RESIDENCY | University of Louisville School of Medicine
FUTURE PLANS | Looking for position in cardiothoracic radiology

Bedros Taslakian, MD
BIRTHPLACE | Damascus, Syria
RESIDENCY | American University of Beirut Medical Center, Department of Diagnostic Radiology, Beirut-Lebanon
FUTURE PLANS | Completing a second fellowship in Advanced Cardiac Imaging. Pursuing a career in academic radiology.
Cardiothoracic Imaging Fellows
2015-2016

Oregon Health & Science University

Joseph Laurence Whetstone, MD
BIRTHPLACE | Pittsburgh, PA
RESIDENCY | Oregon Health & Sciences University
FUTURE PLANS | Return to private practice

Saint Luke’s Hospital of Kansas City

Susan Elizabeth Gutschow, MD
BIRTHPLACE | St. Louis, MO
RESIDENCY | University of Missouri - Kansas City
FUTURE PLANS | Academic practice

Stanford University Medical Center

Khalil Jivraj, BSc PT, MD FRCPC
BIRTHPLACE | Red Deer, Alberta Canada
RESIDENCY | University of Calgary
FUTURE PLANS | Go where the wind blows me!

University Health Network, University of Toronto

Kashif Ashraf, MBBS, FRCR
BIRTHPLACE | Libya
RESIDENCY | Aga Khan University Hospital, Karachi, Pakistan
FUTURE PLANS | To start a cardiac CT and MRI service in my hospital in UK

John Kavanagh FFR(RCSI) FRCR
BIRTHPLACE | Dublin, Ireland
RESIDENCY | St. James Hospital, Dublin
FUTURE PLANS | MSK Fellowship at University of Toronto
Cardiothoracic Imaging Fellows 2015-2016

Miranda Siemienowicz, B Med Sci, MBBS, FRANZCR
BIRTHPLACE | Melbourne, Australia
RESIDENCY | Austin Hospital, Melbourne, Australia
FUTURE PLANS | Take the long way home - through Europe or Scandinavia

Lawrence J. Lee, MD
BIRTHPLACE | Houston, TX
RESIDENCY | Tufts Medical Center
FUTURE PLANS | Academic Body Imaging (also abdominal trained)

Stephen Mark Lyen, MBBS, FRCR
BIRTHPLACE | Philadelphia, PA
RESIDENCY | Bristol, United Kingdom
FUTURE PLANS | Job as consultant radiologist in the UK

Nicholas Scott Burris, MD
BIRTHPLACE | Baltimore, MD
RESIDENCY | University of California, San Francisco
FUTURE PLANS | Academic Cardiothoracic Imaging

Abigail V. Berniker, MD
BIRTHPLACE | San Francisco, CA
RESIDENCY | Mercy Catholic Medical Center, Darby, PA
FUTURE PLANS | Academic. Gainful employment with clinical and educational focus
Cardiothoracic Imaging Fellows 2015-2016

University of Maryland Medical Center

Michael S. Chung, MD
BIRTHPLACE | Baltimore, MD
RESIDENCY | St. Lukes - Roosevelt Hospital Center, NY
FUTURE PLANS | I hope to practice cardiothoracic radiology in an academic setting

University of Michigan Hospital and Health Systems

Jay S. Leb, MD
BIRTHPLACE | New York
RESIDENCY | Jacobi Medical Center, Albert Einstein College of Medicine
FUTURE PLANS | Cardiothoracic radiology in an academic setting

University of North Carolina at Chapel Hill

Elizabeth M. Lee MD
BIRTHPLACE | Marshfield, Wisconsin
RESIDENCY | Resident and Intern, Internal Medicine, University of Michigan Health System; Resident, Internal Medicine, Tufts Medical Center; Resident, Diagnostic Radiology University of Vermont Medical Center
FUTURE PLANS | Academic Practice

University of South Florida

Brett R. Murdock, MD
BIRTHPLACE | Pensacola, Florida
RESIDENCY | Diagnostic Radiology Resident, University of North Carolina, Chapel Hill, NC; Diagnostic Radiology Resident, Monmouth Medical Center, Long Branch, NJ; Surgical Internship: Washington Hospital Center, Washington D.C.
FUTURE PLANS | Job Search in Process

John M. Donatelli, MD
BIRTHPLACE | Toledo, OH
RESIDENCY | University of South Florida, Tampa
FUTURE PLANS | Undecided
Cardiothoracic Imaging Fellows
2015-2016

Sumudu Nalaka Dissanayake, MD
**BIRTHPLACE** | Detroit, MI
**RESIDENCY** | University of California, Irvine
**FUTURE PLANS** | I will be pursuing a second fellowship in Neuroradiology at the University of Southern California prior to most likely seeking out a career in academia

Daniel Lamus, MD
**BIRTHPLACE** | Cucuta, NS, Colombia
**RESIDENCY** | University of Miami, Jackson Memorial Hospital, Miami, FL – General Surgery, 2 years. Universidad Autonoma De Bucaramanga, Colombia – Radiology Residency
**FUTURE PLANS** | Dr. Lamus just started the Cardiothoracic Imaging Fellowship and next year will complete a Breast Imaging Fellowship

Usama Ibrahim Salem, MD
**BIRTHPLACE** | Cairo, Egypt
**RESIDENCY** | National Cancer Institute, Cairo University, Egypt
**FUTURE PLANS** | Academic position in the United States

Larissa Braga, MD, PhD, MPH
**BIRTHPLACE** | Curitiba, Brazil
**RESIDENCY** | Internal Medicine Residence, Federal University of Parana, Brazil. Radiology residence, Federal University of Parana, Brazil
**FUTURE PLANS** | Join an academic institution to conduct research in cardiothoracic imaging with an emphasis in health economics

Stephanie Cheng, MD
**BIRTHPLACE** | Wheeling, West Virginia
**RESIDENCY** | Virginia Mason Medical Center
**FUTURE PLANS** | Pursue a career in cardiothoracic radiology
Cardiothoracic Imaging Fellows 2015-2016

University of Wisconsin School of Medicine and Public Health

Rachael Edwards, MD

Birthplace | Little Rock, Arkansas
Residency | University of Washington
Future Plans | Pursue a career in academic cardiothoracic radiology

University of Washington

Maria Daniela Martin, MD

Birthplace | Caracas, Venezuela
Residency | Rush University Medical Center, Diagnostic Radiology and Nuclear Medicine Residency; Rush University Medical Center, General Surgery Preliminary Year
Future Plans | Job in academic thoracic radiology

Vancouver General Hospital

Edel Marie Kelliher, MB, FFR

Birthplace | Cork City, Ireland
Residency | Beaumont Hospital, Dublin, Ireland. Previous fellowship: PET-CT and Cross-Sectional Imaging, St. James Hospital, Dublin, Ireland
Future Plans | To pursue a career in chest radiology including a special interest in cardiac CT and MRI

Wake Forest School of Medicine

Julia Mary Howard, MB BCh BAO

Birthplace | Hong Kong
Residency | St. James’s Hospital, Dublin, Ireland; Faculty of Radiology, Royal College of Surgeons in Ireland
Future Plans | Fellowship in Emergency and Trauma Radiology at VGH

Emily DeFur Joyce, MD

Birthplace | Jackson, TN
Residency | Baptist Memorial Hospital, Memphis
Future Plans | To Be Determined
PULMONARY EMBOLISM is a potentially life-threatening complication of veno-occlusive disease which may account for up to 300,000 deaths in the USA each year (1). Although the diagnosis is most often achieved with contrast-enhanced computed tomography CT and, in selected cases, V/Q radioisotope examinations, analysis of chest radiographs may display findings suggestive of chronic and acute pulmonary embolism that lead to confirmatory studies.

This 74 year old man with a history of recent onset shortness of breath, multiple episodes of scant hemoptysis, and lower extremity swelling was examined in the emergency department. A portable AP chest radiograph revealed a well demarcated zone of hyperlucency in the right upper lobe (Figure 1). A CT pulmonary angiogram (Figure 2) showed a large filling defect in the right upper lobe pulmonary artery, as well as smaller rounded and concentric filling defects in the lower lobe pulmonary arteries. A diagnosis of an acute pulmonary embolus superimposed on chronic thromboembolism was made.

There are no definitive chest radiographic findings of pulmonary embolism. In one series of patients with acute pulmonary embolism, enlargement of the right upper lobe pulmonary artery was recognized in 67% of patients, elevation of the diaphragm was identified in 62%, small effusions were seen in 51%, Hampton’s Hump (a sign of pulmonary infarction) in 25%, and Westermark sign in 15% (2,5).

The Westermark sign, named for the German radiologist who first described the finding in 1938, is characterized as a regional area of hyperlucency due to oligemia and reduced vascularity related to hypoxic
Vasovascular changes are also common. This finding is most commonly reported in the right upper lobe and typically signifies either large or widespread small vessel occlusion. The differential diagnosis includes emphysema (3, 4, 5).

V/Q scan and CTA are much more sensitive and specific for the diagnosis of acute and chronic pulmonary embolism. However, knowledge of the chest radiographic signs can instigate further evaluation for this potentially lethal entity (6).

**Figures:**

1. Portable radiograph film of the chest demonstrates a zone of hyperlucency in the right upper lobe.
2a. Contrast enhanced CT in the axial plane shows filling defects in the right main pulmonary artery and also in the left pulmonary artery indicating acute pulmonary embolus.
2b. Concentric filling defect in the left lower lobe pulmonary artery indicates chronic thromboembolus. Additional acute pulmonary emboli are seen on the right side.
2c. Sagittal contrast enhanced CT MIP image shows the full extent of the right pulmonary artery thrombus.
The Society of Thoracic Radiology has recently participated in a recent strategic visioning process conducted by the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). The NHLBI is focused on diseases of the respiratory system, heart, blood vessels, and blood that are not cancer related in addition to obesity and sleep disorders. The NHLBI mission is multifaceted and includes supporting research through funding and promoting career development of researchers.

Through this initiative, the NHLBI goal was to identify research priorities that would guide NHLBI funding over the next ten years. As detailed on the institute’s website, the process began in the fall of 2014 when the NHLBI community began to develop the framework for the process. Subsequently this spring, the public was invited to provide compelling questions and critical challenges pertaining to four major areas of:

► Promoting human health,
► Reducing human disease,
► Advancing translational research and
► Developing workforce and resources.

Given the Society of Thoracic Radiology’s mission directed towards stimulating critical thinking and developing leaders and educators within cardiopulmonary imaging, the NHLBI’s strategic visioning process provided an opportunity for our society to highlight some key questions and challenges pertaining to cardiothoracic imaging that, if addressed, would substantially impact the care of patients with non-malignant lung, heart, vascular and blood diseases. Critical challenges submitted by the Society of Thoracic Radiology are summarized below:

► Quantitative imaging biomarkers for chronic lung disease
► Low-dose and non-ionizing imaging for chronic lung disease
► Functional pulmonary imaging with noninvasive imaging techniques
► Imaging indicators of metabolic syndrome and cardiopulmonary disease
Noninvasive biomarkers for characterizing cardiovascular disease
Development of non-contrast alternatives in cardiac magnetic resonance imaging
Short comprehensive cardiac MR imaging in post-chemotherapy cancer patients
Training for radiologist researchers for effective translational research

The detailed STR comments regarding each of these entities can be viewed on the NIH website at http://nhlbistrategicvisioning.ideascale.com/ or provided upon request.

We would like to acknowledge the efforts of the Society of Thoracic Radiology Research Committee in this process, in particular Jadranka Stojanovska-Nojkova, Friedrich Knollmann, Prachi Agarwal, and Myrna Godoy. Please refer to the NHLBI’s website for more information pertaining to the multi-phase strategic visioning procedure (http://strategicvisioning.nhlbi.nih.gov/) and to keep up to date with the ongoing process. A draft of the scientific priorities resulting from the process is to be released by the NHLBI in the summer of 2015.
The ACR and STR recently completed a collaborative revision of two documents that were approved at the ACR 2015 Annual Meeting and Chapter Leadership Conference:

The ACR–STR Practice Parameter for the Performance of High-Resolution CT (HRCT) of the Lungs in Adults were revised in large part through the efforts of STR members. The STR official representatives to the collaboration were Jonathan H. Chung, MD, David Lynch, MB ChB, Eric J. Stern, MD. In addition, a large number of STR members participated in this process as members of the ACR Committee on Body Imaging (Thoracic) and the Comments Reconciliation Committee. This document was reviewed by the members of the STR Practice Standards and Technical Guidelines Committee.

The ACR–NASCI–SPR–STR Practice Parameter for the Performance of Cardiac Scintigraphy. The STR representatives for this collaborative revision were: Andrew J. Bierhals, MD, Kristopher Cummings, MD and Gregory W. Gladish, MD.

The documents can be viewed in their entirety from the links above. Thanks to all the STR members who contributed to these important documents.
STR and ARRS

to Host Free Lung-Cancer Screening Webinar

REGISTRATION NOW

for a free lung cancer screening webinar to be held
Wednesday, September 9, 2015, at 2 pm EDT.

Melissa Rosado de Christenson, MD, FCR

Ella Kazerooni, MD, MS, FCR

The hour-long, online session will cover the practical aspects of implementing the ACR Lung Imaging Reporting and Data System (Lung-RADS”) into your lung cancer screening practice. The session will be moderated by Melissa Rosado de Christenson, Dr. Kazerooni will also answer questions from the online audience during the session. This webinar is aimed at practicing radiologists, radiology trainees and other health care providers with an interest in lung cancer screening.

ATTEND THE

2015 ARRS Lung Cancer Screening Symposium
Presented in cooperation with the Society of Thoracic Radiology
October 8–9 in Tampa, Florida or Online

View the complete schedule of lectures now and register for the Symposium by August 28, 2015 to receive the lowest rates!

OCTOBER 8–9 ■ TAMPA, FLORIDA and ONLINE
Presented in cooperation with the Society of Thoracic Radiology
We welcome the submission of original scientific abstracts and educational exhibits related to thoracic and cardiovascular radiology via our online abstract system: thoracicrad.org/meetings/index.htm
Deadline for submission of abstracts is October 29, 2015

Abstract Categories

ORAL PRESENTATIONS

7 minute presentation followed by 3 minutes for discussion.

POSTERS

Scientific abstracts may be submitted for consideration as either an oral presentation or electronic poster format. Scientific abstracts will be scored on the basis of scientific merit. Educational abstracts for poster presentation will be scored on the basis of teaching value.

Priority will be given to original work that has not been presented elsewhere. Accepted abstracts will be published in the Journal of Thoracic Imaging.

The Society of Thoracic Radiology (STR) will hold its Annual Course on Thoracic Imaging
Hyatt Regency Scottsdale Resort & Spa at Gainey Ranch in Scottsdale, AZ
March 13-16, 2016

Call for Scientific and Educational Abstracts
2017 Fourth World Congress
Mark Your Calendars

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Thoracic Imaging
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Inspiration

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The Society of Thoracic Radiology is managed by the professional association management firm of Matrix Meetings, Inc. located in Rochester, MN. All society correspondence can be directed to them at:

Society of Thoracic Radiology
% Matrix Meetings, Inc.
1202 ½ Seventh Street NW
Suite 209
Rochester, MN
55903-7169

Tel 507.288.5620
Fax 507.288.0014

E-mail str@thoracicrad.org
admin@matrixmeetings.com

Website www.thoracicrad.org
www.matrixmeetings.com

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Submission Deadlines

Winter: December 15
Spring: March 31
Summer/Fall: July 31

Publication Dates

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Spring: April 31
Summer/Fall: August 31