Educational Opportunities for Global Collaboration-ASTRO

Kenneth Hu, MD
Immediate Past Chair
ASTRO International Education Subcommittee
Associate Professor
NYU Langone Medical Center
June 21, 2017
ASTRO Educational Vision

ASTRO will provide state-of-the-art education and lifelong professional development in the effective use of radiation as a tool for the treatment of patients with cancer and benign disease.

Board of Directors Jan 2014
Approaches to Achieve Goal

• ASTRO will be the primary source for the educational needs of radiation oncology and will continue to organize one of the world’s largest radiation oncology scientific meeting.

• ASTRO will support continuous board certification by increasing the number of available online/live self assessment modules (SAMS) as a critical component to maintaining clinical skills.

• ASTRO will continue the support and development of small meetings as appropriate for the needs of the specialty.

• ASTRO will continue to provide educational resources for all radiation oncology trainees and interested medical students.

• ASTRO will work with radiation oncology societies globally to coordinate educational opportunities.
Annual Scientific Meeting

• Presidential Course
• Scientific Sessions
• Refresher Courses—self-assessment modules (SAMS)
• Difficult Case Tumor Board Discussion
• Econtouring--SAMS
• International Program
Presidential Course (First Day)

• 2017—Brian Kavanagh, The Healing Art and Science of Radiation Therapy
• 2016—David Beyer, Enhancing Value, Improving Outcomes
• 2015—Bruce Minsky, Technology Meets Patient Care
• 2014—Bruce Haffty, Targeting Cancer: Technology and Biology
Refresher Courses/Educational Panels

Selection Criteria

• Does it address overarching practice gaps in patient safety, quality, and multidisciplinary care? (Practice gaps to be determined from member survey data, session evaluation from previous years, etc.)
• Is the information immediately usable in practice?
• If presenting new research, does it highlight relevant findings and is it significant toward potential change in practice?
• Is the topic evidence-based?
• Does it highlight or address published ASTRO guidelines or best practices?
• Is it reflective of ASTRO policies/agendas?
• Are speakers new? (Speakers should rotate every 3-4 years)
Scientific Sessions

• 20-25 Tracks
• 50 Scientific Oral Presentations of 8 abstracts
• 20 Electronic Poster-Discussions of 8 abstracts
• 350 reviewers
Econtouring

- Started in 2005
- 8 sessions of 125 participants
- Web-based platform allows for homework contouring before meeting that is stored
- Similarity comparison to expert faculty/peers
- Prostate, Head and Neck, Lung, GI, Pediatric, CNS, Spine SBRT, Breast, Lymphoma (2017)
Small Meetings Throughout Year

- **Best of ASTRO**—Review of top abstracts in 10 topics from annual meeting by ASTRO expert discussants
- **Spring Refresher Course**—Review of evidence for current standard of care (resident oriented/private practice)
- **Biannual Multidisciplinary Symposia** (with medical oncology/surgery societies)
  - Head and Neck
  - Gastrointestinal
  - Thoracic
- **Special**
  - Immunotherapy Workshop
  - Precision Medicine
  - Big Data Workshop
  - State of the Art Technologies: IMRT/SBRT/SRS/IGRT
Education Council
Stephen M. Hahn, MD, FASTRO, MD, Chair
Lynn Wilson, MD FASTRO, Vice-chair

Education Council Steering Committee
(Chairs of Committees and Subcommittees)

Education Committee
Committee on Health Equity, Diversity and Inclusion (CHEDI)
CME/MOC Committee
Annual Meeting Committee
ADROP Executive Committee
ARRO Executive Committee

International Education Subcommittee (IES)

Annual Meeting (AM) Steering Committee
President, ASTRO – Brian Kavanagh
President-elect, ASTRO- Paul Harari
Chair AM Scientific Committee- Benjamin Movsas
Ex Officio Member- Stephen Hahn
Ex Officio Member- Brian Marples
Vice-chair, AM Scientific Committee- Lisa Kachnic
Chair, AM Education Committee- Brian Czito
Vice-chair, AM Education Committee- George Rodrigues
Chair, Best of ASTRO – Catherine Park

AM Scientific Committee
• Abstract Solicitation & Management
• Abstract Review & Selection
• Scientific Sessions: Plenary/Oral/Poster
• ePosters
• Selection of Moderators/Discussants
• Poster Walks
• Abstract Awards
• Panel Presentations

AM Scientific Abstract Reviewers
AM Scientific Committee Track Chairs and over 350 reviewers

AM Steering Committee
• Oversight of the entire meeting
• Keynote Speaker
• Presidential Address
• Presidential Symposium

Scientific Committee
Chair- Benjamin Movsas
Vice-chair- Lisa Kachnic
Track Chairs
Committee Members

Education Committee
Chair – Brian Czito
Vice-chair- George Rodrigues
Track Chairs
Committee Members

AM Education Committee
• Educational Sessions
• Live SA-CME
• eContouring Program
• International Education Program
• ARRO Program
International Education Subcommittee

International Education Subcommittee (IES) 2016-2017

Zhongxing Liao, MD (Chair)
Jatinder Palta, PhD, FASTRO (Vice-chair)
Kenneth Hu, MD (Immediate Past-Chair)
Timothy Williams, MD, FASTRO (Ex-officio)

Special Interest Work Group

Steve Hahn, MD (SCAROP)
Neha Vapiwala, MD (ADROP)
Chris Freese, MD (ARRO)
Trevor Royce, MD (ARRO)
Norman Coleman, MD, FASTRO (NCI)
Mitchell Machtay, MD (RTOG)
Meena Moran, MD (NCCN)

International Liaison Work Group

Bhadrasain Vikram, MD (Chair) (IAEA)
Felipe Calvo, MD (Vice-chair) (ESTRO)
Soren Bentzen, DSc, PhD (ESTRO)
TBD (ASCO)
Kenji Nemoto, MD (JASTRO)
Jason Chia-Hsien Cheng, MD (TASTRO)
Raymond Abratt, MD (SASCRO)
Bernard Cummings, MD (CARO)
Ugur Selek, MD (Turkey)
Benjamin Corn, MD (ISCORT)

Ancillary Services Work Group

Jatinder Palta, PhD, FASTRO (Chair), AAPM
Samantha Zeitner, MD (Vice-chair), ARST
David Morgan, MD, eCancer

Host Representative Work Groups

IES/IT Work Group

Laurence Court, PhD (Chair)
Patricia Hardenbergh, MD (Vice-chair)
Christine Fisher, MD (Communications/International Website)

India WG: Akila Viswanathan, MD (Chair)
Manjeet Chadha, MD, FASTRO (Vice-chair)

China WG: Weining Zhen, MD (Chair)
Min Yao, MD, PhD (Vice-chair)

Latin America WG: Beatriz Amendola, MD, FASTRO (Chair)
Arthur Accioly Rosa, MD (Vice-chair)

South East Asia WG: Miriam Calaguas, MD (Chair)
Bin S. Teh, MD (Vice-chair)

Africa WG: Terry Wall, MD, (Chair)
Onyinye Balogun, MD. (Vice-chair)
Bridging Innovation and Outreach to Overcome Global Gaps in Radiation Oncology Through Information and Communication Tools, Trainee Advancement, Engaging Industry, Attention to Ethical Challenges, and Political Advocacy

Luqman Dad, MD, Trevor J. Royce, MD, MS, Zachary Morris, MD, PhD, Meena Moran, MD, Todd Pawlicki, PhD, Deepak Khuntia, MD, Patricia Hardenbergh, MD, Bernard Cummings, MB, ChB, Nina Mayr, MD, and Kenneth Hu, MD
ASTRO IES Initiatives

- International Program at ASTRO annual meeting
- Econtouring Ambassador Program
- International Best of ASTRO
- Regional Workgroups Educational Priorities
- Collaboration with Global Radiation Oncology Groups, Oncology organizations
- Resident Global Health Travel Scholarship
International Program at ASTRO Annual Meeting

• Latin American Refresher Course—Spanish and Portuguese
• Chinese Multidisciplinary Care Course--Mandarin
• Session Dedicated to ASTRO members interested in global health
• Session geared to those transitioning to advanced technologies/managing toxicity of multimodality treatment
<table>
<thead>
<tr>
<th>Date/Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>Saturday, September 24, 2016,</td>
<td>Latin American Refresher Course</td>
</tr>
<tr>
<td>2:45-6 PM</td>
<td>(Spanish and Portuguese)</td>
</tr>
<tr>
<td>Sunday, September 25, 2016,</td>
<td>International Attendee Breakfast</td>
</tr>
<tr>
<td>6:45-8 AM</td>
<td></td>
</tr>
<tr>
<td>Sunday, September 25, 2016,</td>
<td>ASTRO/ESTRO: In-Room Adaptive Imaging with a Focus on MRI</td>
</tr>
<tr>
<td>1:15-2:45 PM</td>
<td>(Mandarin)</td>
</tr>
<tr>
<td>Sunday, September 25, 2016,</td>
<td>Clinical Trials in China: Opportunities and Challenges</td>
</tr>
<tr>
<td>4:45-6:15 PM</td>
<td></td>
</tr>
<tr>
<td>Monday, September 26, 2016,</td>
<td>A Call to Action in Global Health: Inspiring and Empowering Practical</td>
</tr>
<tr>
<td>7:45-9:00 AM</td>
<td>Approaches to Improving Safety, Quality, and Global Access to Radiation</td>
</tr>
<tr>
<td>Monday, September 26, 2016,</td>
<td>Global Collaboration in Transitioning from 2D to 3D to IMRT; Adapting</td>
</tr>
<tr>
<td>10:45 AM-12:15 PM</td>
<td>Clinical and Safety Guidelines for Breast and Cervix</td>
</tr>
<tr>
<td>Monday, September 26, 2016,</td>
<td>Global Collaboration in Transitioning from 2D to 3D to IMRT; Adapting</td>
</tr>
<tr>
<td>4:15-5:45 PM</td>
<td>Clinical Safety Guidelines for Head/Neck Lung</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Welcome
International Best of ASTRO

2015: Mexico, Turkey, India (pilot)
2016: Egypt, Poland, Turkey, India, China
2017: Philippines, Romania, Czech Republic, Iraq, Turkey, Argentina, Mexico, India, China
Econtouring Ambassador Program

• Utilizing learning material and web-based platform from Annual Meeting to bring to foreign countries/regions in English or Native Language

• Domestic Ambassadors: ASTRO members who give econtouring courses when they are invited abroad as guest professors/national/regional meetings

• International Ambassador—Foreign radiation oncologists who wish to bring Econtouring to their native countries/regions
Econtouring Ambassador Program

• Ambassadors train at the annual meeting and go to host countries to conduct an econtouring session, able to do it web-based to conduct distance learning afterward. Cases from the annual courses most often used. Option to utilize local cases.
  • 2011
    – Philippines
  • 2012
    – South Africa
  • 2015
    – Armenia
    – Mexico
    – Argentina
  • 2016
    – Chile
    – Columbia
    – Bolivia
    – Turkey
  • 2017
    – Philippines
    – India
    – Costa Rica
    – Peru
    – Uruguay
    – Turkey
    – IAEA—ICARO 2
International E-Contouring

Latin America, China, Africa, India, Turkey, Armenia, Southeast Asia
https://www.astro.org/Affiliate/International/eContouring-Ambassador-Initiative/
<table>
<thead>
<tr>
<th>Regional Working Group</th>
<th>Physician Chair</th>
<th>Institution</th>
<th>E-Mail</th>
<th>Ongoing Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>Terry Wall</td>
<td>St. Luke's Health System, Kansas City, Missouri</td>
<td><a href="mailto:tjwallmd@msn.com">tjwallmd@msn.com</a></td>
<td>African needs survey, database of African centers</td>
</tr>
<tr>
<td>China</td>
<td>Ken Zhen</td>
<td>University of Nebraska</td>
<td><a href="mailto:wzhen@unmc.edu">wzhen@unmc.edu</a></td>
<td>Quality and safety guidelines/developing educational and research infrastructure</td>
</tr>
<tr>
<td>India</td>
<td>Akila Viswanathan</td>
<td>John Hopkins University</td>
<td><a href="mailto:anv@jhu.edu">anv@jhu.edu</a></td>
<td>Collaboration with AROI to develop educational programs</td>
</tr>
<tr>
<td>Latin America</td>
<td>Beatriz Amendola</td>
<td>Innovative Cancer Institute, Miami</td>
<td><a href="mailto:bamendola@innovativecancer.com">bamendola@innovativecancer.com</a></td>
<td>Spanish-based educational courses/quality safety guidelines</td>
</tr>
<tr>
<td>South Asia</td>
<td>Miriam Calaguas</td>
<td>St. Luke's Medical Center, Manila</td>
<td><a href="mailto:miriamcalaguas@yahoo.com">miriamcalaguas@yahoo.com</a></td>
<td>Optimize transition from 2D/3D to advanced technologies with ASTRO faculty collaboration</td>
</tr>
</tbody>
</table>
Collaboration with Other Societies/Organization

• Global Resident Rotation
• Chartrounds.com
<table>
<thead>
<tr>
<th>Project</th>
<th>Year Launched</th>
<th>Partners</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Health Scholars</td>
<td>2011</td>
<td>ASTRO</td>
<td>Provide residents the opportunity to work on a clinical, outreach/education, or research project in a developing nation. Provides a stipend of $2500 for 3 residents selected through a competitive application process annually.</td>
</tr>
<tr>
<td>Mutual Mentorship Program</td>
<td>2012</td>
<td>ASTRO</td>
<td>Pairs residents from different nations to share ideas and educational resources between individuals with a mutual interest in oncology and global health. Among other items, participants discuss (1) challenging clinical cases, (2) differences in practice patterns in their respective locations, and (3) barriers to effective administration of care and ideas for addressing these.</td>
</tr>
<tr>
<td>Global Health Rotation Initiative</td>
<td>2015</td>
<td>ASTRO, ABS, GlobalRT, CARO</td>
<td>Facilitates and promotes international rotations for radiation oncology trainees. There are now more than 20 institutions committed to hosting international trainees for an elective clinical or research experience.</td>
</tr>
</tbody>
</table>

Abbreviations: ABS, American Brachytherapy Society; CARO, Canadian Association of Radiation Oncology.
Figure 3  Map from globalrt.org demonstrating the sites committed as hosts for the Global Health Rotation Initiative.
Welcome to Chartrounds

Chartrounds brings together academic disease site specialists from leading cancer treatment institutions and connects them with the Chartrounds network of over 1500 physicians and medical physicists.

On a scheduled basis, discuss patient management and treatment plans with trusted colleagues in real time.

Select a Chartrounds Site

- Pediatric Oncology
- Chartrounds India
- Chartrounds China
- Chartrounds Africa
- Chartrounds Latin America

Virtual Access to Disease Site Specialists

Chartrounds recognizes current expert disease site specialists from:

- MD Anderson Cancer Center
- UF University of Florida
- University of Colorado Anschutz Medical Campus
- University of Michigan Health System
- Mount Sinai School of Medicine
# Upcoming Sessions

<table>
<thead>
<tr>
<th>Date/Time</th>
<th>Speciality</th>
<th>Disease Site</th>
<th>Specialist</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon, Jun 19, 12:00 PM EDT</td>
<td>Radiation Oncology</td>
<td>GU</td>
<td>Dr. Howard Sandler</td>
</tr>
<tr>
<td>Thu, Jun 22, 1:30 PM EDT</td>
<td>Radiation Oncology</td>
<td>Palliative Care</td>
<td>Dr. Candice Johnstone</td>
</tr>
<tr>
<td>Mon, Jun 26, 2:00 PM EDT</td>
<td>Radiation Oncology</td>
<td>Breast</td>
<td>Dr. Benjamin Smith</td>
</tr>
<tr>
<td>Tue, Jun 27, 12:00 PM EDT</td>
<td>Radiation Oncology</td>
<td>Lymphoma</td>
<td>Dr. Leonard Prosmitz</td>
</tr>
<tr>
<td>Tue, Jul 11, 11:00 AM EDT</td>
<td>Radiation Oncology</td>
<td>Lung</td>
<td>Dr. Spring Kong</td>
</tr>
<tr>
<td>Wed, Jul 12, 3:00 PM EDT</td>
<td>Radiation Oncology</td>
<td>GI</td>
<td>Dr. Harvey Mamon</td>
</tr>
<tr>
<td>Thu, Jul 13, 5:00 PM EDT</td>
<td>Radiation Oncology</td>
<td>Breast</td>
<td>Dr. Abram Recht</td>
</tr>
<tr>
<td>Mon, Jul 24, 2:00 PM EDT</td>
<td>Radiation Oncology</td>
<td>Breast</td>
<td>Dr. Benjamin Smith</td>
</tr>
<tr>
<td>Thu, Jul 27, 3:00 PM EDT</td>
<td>Radiation Oncology</td>
<td>Lung</td>
<td>Dr. Larry Marks</td>
</tr>
<tr>
<td>Fri, Jul 28, 3:30 PM EDT</td>
<td>Radiation Oncology</td>
<td>Head and Neck</td>
<td>Dr. Kenneth Hu</td>
</tr>
</tbody>
</table>
Welcome to Chartrounds
India

Chartrounds India brings together academic disease site specialists from leading cancer treatment institutions and connects them with the Chartrounds network of over 1500 physicians and medical physicists.

On a scheduled basis, discuss patient management and treatment plans with trusted colleagues in real time.

Register Here >
Share Chartrounds >

Select a Chartrounds Site

- Pediatric Oncology
- Chartrounds USA
- Chartrounds China
- Chartrounds Africa
- Chartrounds Latin America

<table>
<thead>
<tr>
<th>Date/Time</th>
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<th>Disease Site</th>
<th>Specialist</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tue, Jun 20, 4:00 PM IST</td>
<td>Radiation Oncology</td>
<td>GYN</td>
<td>Dr. Umesh Mahantshetty</td>
</tr>
<tr>
<td>Mon, Jun 26, 7:30 PM IST</td>
<td>Radiation Oncology</td>
<td>GU</td>
<td>Dr. Indranil Mallick</td>
</tr>
<tr>
<td>Thu, Jun 29, 6:00 PM IST</td>
<td>Radiation Oncology</td>
<td></td>
<td>Dr. Vijay Anand Palkonda</td>
</tr>
<tr>
<td>Thu, Jul 27, 4:00 PM IST</td>
<td>Radiation Oncology</td>
<td>Occular Oncology</td>
<td>Dr. Vijay Anand Palkonda</td>
</tr>
<tr>
<td>Thu, Aug 31, 4:00 PM IST</td>
<td>Radiation Oncology</td>
<td>Occular Oncology</td>
<td>Dr. Vijay Anand Palkonda</td>
</tr>
</tbody>
</table>
Future Initiatives

• National Comprehensive Cancer Network (NCCN)—Resource adapted multidisciplinary care guidelines (Meena Moran)

• Multidisciplinary global health initiatives with medical oncology (American Society of Clinical Oncology) (David Raben)

• National Cancer Institute—Promote careers in global health (Norm Coleman)

• Safety and Quality Assurance Regional Platforms (Jatinder Palta)
Conclusions

• Emphasis on evidence-based application of radiation therapy
• Address gaps in practice, safety, quality
• Focus on multidisciplinary care
• Translating new research into clinical practice
• Promote global health initiatives among ASTRO members and residents
• Collaboration with global radiation oncology societies/organizations
Best of ASTRO Licensing

Do you want to bring the best of ASTRO’s Annual Meeting to your country?


eContouring Ambassador Initiative

Expand the reach of contouring training to countries with a training gap/need

Applications/Guidelines Available Online!

https://www.astro.org/Affiliate/International/eContouring-Ambassador-Initiative/

Global Health Rotation Initiative

Attention Radiation Oncology Residents!!
Interested in an Elective Rotation Abroad?

ASTRO/ABS/ARRO/CRRO proudly announce the Global Health Rotation Initiative

Visit http://globalrt.org/globalrt-map/
Login username: electives
Password: Electives_2015

Established opportunities for elective rotations in Radiation Oncology clinics around the globe

Know of a site that might be interested in participating?
Contact: arro@astro.org