Innovations in Management of Head and Neck Radiotherapy

April 12 and 13, 2019

Conference Venue
Friday, April 12
The Grand Event Center
820 Goodale Blvd.
Grandview Heights, OH 43212

Saturday, April 13
Biomedical Research Tower
The Ohio State University
460 W 12th Avenue
Columbus, OH 43210

Conference Host
The Ohio State University Comprehensive Cancer Center – Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, Department of Radiation Oncology

Intended Audience
Radiation oncologists, residents, medical dosimetrists, medical physicists and radiation therapists

Course Description
The symposium will be taught by national experts and will provide a balanced, multidisciplinary review, discussion and hands-on lab exercises on the state of head and neck radiotherapy. The symposium will include didactic sessions delivered by radiation oncologists, surgical oncologists, medical oncologists, medical dosimetrists, medical physicists and radiation therapists. During the hands-on live lecture series, participants will have the opportunity to gain active participation experience in an environment equipped with state of the art technology through treatment planning systems, patient immobilization systems, motion management strategies and quality assurance. There will also be opportunities for participating in a multi-modality clinical case discussion / review.

Course Learning Objectives
Upon completion of this program, participants should be able to:

• Identify the special needs and considerations of a robust Head and Neck Radiation Therapy Program.
• Describe current standards for head and neck irradiation.
• Recognize treatment technology and innovations utilized in modern head and neck treatments

Continuing Education Credits
Continuing education credits, including self-assessment module (SAM) credits, are being planned for physicians, physicists, dosimetrists and radiation therapists.
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Overall Meeting Organization

Friday
Full Group Presentations

Saturday Morning
Clinician Presentation Track
Technical Presentation Track

Saturday Afternoon
Concurrent Labs

Potential Credits
Day 1: 6 Credit Hours (SAMS)
Day 2: 3 Credit Hours (SAMS) + 3 Lab hours (CE/CAMPEP)

Session 1: Historical Overview
- History of H&N Cancer Treatments

Session 2: Surgical, Medical, and Radiation Oncology
- Surgical Oncology
  - Clinical review, trials and perspectives
  - Recent advances
  - Future directions
- Medical Oncology
  - Clinical review, trials and perspectives
  - Personalized medicine
  - Immunotherapy
  - Future directions
- Radiation Oncology
  - Clinical review, trials and perspectives
  - Contouring challenges
  - Outcomes and quality of life
  - Future directions

Session 3: Innovations in Delivery Technologies
- Treatment Planning and QA
- Immobilization and Setup
- Treatment Delivery

Session 4: Clinical and Technical Tracks:
- Clinical Track
  - Re-Irradiation
  - Dose de-escalation protocols
  - Dental management considerations
- Technical Track
  - Program development
  - Model-based planning
  - Other therapy specific topics

Session 5: Hands-on Live Lecture Labs
- Physicians:
  - Tumor board / chart rounds to present cases
  - Contouring labs
- Physics / Dosimetry:
  - Treatment planning
  - QA devices
- Therapy
  - Immobilization
  - Imaging and targeting
The Ohio State University Comprehensive Cancer Center – Arthur G. James Cancer Hospital and Richard J. Solove Research Institute (OSUCCC – James) strives to create a cancer-free world by integrating scientific research with excellence in education and patient-centered care, a strategy that leads to better methods of prevention, detection and treatment. The OSUCCC – James is one of only 47 National Cancer Institute (NCI)-designated Comprehensive Cancer Centers and one of only a few centers funded by the NCI to conduct both phase I and II clinical trials on novel anticancer drugs. As the cancer program’s 356-bed adult patient-care component, The James is one of the top cancer hospitals in the nation as ranked by U.S. News & World Report and has achieved Magnet® designation, the highest honor an organization can receive for quality patient care and professional nursing practice. At 21 floors and with more than 1.1 million square feet, The James is a transformational facility that fosters collaboration and integration of cancer research and clinical cancer care.

Department of Radiation Oncology at The James

The Department of Radiation Oncology at the OSUCCC – James is one of the premier radiation oncology programs in the United States, providing state-of-the-art radiation therapy with internationally recognized medical expertise, education and research.

The Ohio State University Department of Radiation Oncology supports the James Cancer Hospital, the Stefanie Spielman Comprehensive Breast Center and the University Hospitals and treats over 250 patients per day in a strong multimodality program, including radiosurgery, stereotactic body radiotherapy, intraoperative radiotherapy, brachytherapy, pediatric oncology, and a comprehensive breast center. The department has state-of-the-art equipment available in the clinic, including nine Varian TrueBeam® accelerators, a Mobetron® intraoperative accelerator, a Gamma Knife® Perfexion unit, Siemens and GE 4-D CT simulators, MRI simulator, a Varian Eclipse™ Treatment Planning System with BrachyVision™ and Variseed®, a Varian GammaMedplus™ HDR system in an integrated brachytherapy suite with a BodyTom mobile CT scanner and ARIA® record and verification and e-charting environment. The department also has a nonclinical ARIA/Eclipse system, as well as a nonclinical TrueBeam dedicated for training and research purposes. The Ohio State Department of Radiation Oncology currently has 20 radiation oncologists, 10 radiation oncology residents, 16 medical physicists, four medical physics residents, 15 dosimetrists and over 40 radiation therapists.

The Department of Radiation Oncology has opened The Ohio State University International Training Center for Radiation Oncology to provide training to radiation therapy professionals from around the world. The center provides hands-on training for radiation therapists, dosimetrists, physicists, radiation oncologists and other cancer specialists from around the world in a state-of-the-art environment.

The center also provides customizable courses for individual technology needs. Participants will learn the basics of radiation oncology through the hands-on use of all related technologies and through observation of the radiation therapy process. They also will learn from multiple disciplines regarding their roles and responsibilities in a radiotherapy department.

The International Observation Program

The International Training Center now offers a new educational component that aims to bridge the gap between excellence in academics and the clinical experience at a top U.S. hospital. Exclusively designed and open to fully trained physicians and other radiation oncology specialists with several years of medical practice experience. Highly qualified participants spend time with the following specialists in the department:

- Radiation oncologists and radiation oncology residents
- Medical physicists and medical physics residents
- Dosimetrists
- Radiation therapists

The experience enables participants to attend a customized version (based on their learning objectives) of the Introduction to Radiation Oncology course; observe treatments; attend patient rounds and teaching conferences; and have full access to Ohio State’s medical library system. Duration of visits are dependent upon the goals and objectives of the trainee and the resources of the department.
The OSUCCC – James hosted our second educational symposium entitled “Innovations in Program Development and Delivery Technologies for Stereotactic Body Radiotherapy” on June 1 and 2 in Columbus, OH. The event provided both a didactic and a hands-on live lecture series focused on the treatment of thoracic, abdominal and craniospinal stereotactic sites. There were 120 participants, 13 vendors, 13 invited speakers, and 12 super-user sessions for the hands-on live lectures for the symposium.

The events started Thursday night with a welcome reception at the Grand Event Center where physicians, physicists, dosimetrists, therapists, students, residents, and vendors were able to catch up with colleagues, network with new people, and discuss current treatment techniques.

On Friday morning, the symposium was started by a presentation of thoracic SBRT treatment by The Ohio State team including perspectives from a physician, physicist, and therapist. The second session focused on treatment of abdominal SBRT from the OSU team. In the afternoon guest speakers included the treatment team from Washington University in St. Louis for SRS/SBRT treatment in the CNS. Throughout the day there were opportunities for breaks and interactions with vendors to learn more about innovative products in SRS and SBRT as well as motion management in these treatment techniques.

On Saturday morning, we started with a discussion of developing an SRS and SBRT program led by Ohio State University’s Chief of Physics, Nilendu Gupta, PhD, and Ohio State University’s Associate Director of Radiation Oncology, Monica Fullenkamp, MS, BSRT. Concluding the didactic portion of the Symposium was Vivek Mishra, PhD, of the Miami Cancer Institute at Baptist Health.
South Florida. His lecture explored innovations and future directions of the field of stereotactic delivery of radiation.

The concurrent live lecture series took place on Saturday afternoon. The unique opportunity was hosted at The James Cancer Hospital and began with a tour of the department. The lectures took place in the treatment vaults where attendees were able to spend time learning from other professionals working in the field as super-users to demonstrate the use of various immobilization devices, present the strengths and limitations of each product, and allow time for participants to practice using the product. Each participant was able to be exposed to different vendor solutions for abdominal, thoracic, and CNS SBRT immobilization. There were live lecture series that delved into tips and tricks for SRS and SBRT treatment planning in several major Radiation Planning Systems. Additionally, we also hosted a live lecture series on motion management and QA products for use in SRS/SBRT.

We received great feedback from those involved and found this to be a valuable learning opportunity to have this interaction with those using the product each day and be able to test in this environment.

We would like to thank all of the vendors that made this event possible. We appreciate all of the invited speakers and SRS / SBRT super-users that shared their clinical expertise for the symposium. We look forward to next year’s meeting where we explore Innovations in Head and Neck Radiotherapy.

Just a few quotes that we received through feedback from participants:

“This has been an excellent conference and enjoyable experience. The content and quality of speakers was great, as well as the organization of the event itself. Great Job! The facility was wonderful as well, including the hotel and convention center, their staff were all extremely helpful and friendly, and the food was very good. Wonderful event and weekend. Thank you!”

“Excellent program and speakers.”

“The content was very helpful. I enjoyed getting RTT, MP, and MD perspectives.”

“Met and exceeded expectations. Vendors were great.”

“Thank you for doing this symposium again. This is a great educational opportunity for Central Ohio.”

“Excellent presentations. I liked the different speakers on the same topics, physicians, physics & therapist. Food was awesome, along with hotel accommodations. Looking forward to seeing the department & lab sessions.”
# Sponsorship Information

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Application Form

1. NAME OF CONFERENCE  Innovations in Management of Head and Neck Radiotherapy

2. DATE OF CONFERENCE  Friday, April 12 and Saturday, April 13, 2019

3. LOCATION OF CONFERENCE  Day 1: The Grand Event Center / 820 Goodale Blvd., Grandview Heights, OH 43212
Day 2: Biomedical Research Tower, The Ohio State University, 460 W 12th Ave, Columbus, OH 43210

4. COMPANY NAME

5. COMPANY REPRESENTATIVE COMPLETING THIS FORM

PHONE

EMAIL ADDRESS

6. SPONSORSHIP LEVEL: CONFERENCE PLATINUM GOLD SILVER
   (please see Sponsorship Level page for a full description of all benefits)
   
   CONFEREE SPONSOR   PLATINUM   GOLD   SILVER
   $10,000   
   □ Welcome reception  
   □ Friday breakfast  
   □ Friday lunch  
   □ Saturday breakfast  
   □ Saturday lunch  
   □ Welcome reception  
   $900  
   □ Monday breakfast  
   $400  
   □ Monday lunch  

8. SETUP/TEAR-DOWN TIMES
   (see page 2 for shipping info.)
   Friday, April 12: Setup at 7 a.m., tear down at 5 p.m.
   Saturday, April 13: Setup at 7 a.m., tear down at 2 p.m.
   (conference and platinum sponsors)

9. LIST REPS ATTENDING ON THE LINES TO THE RIGHT
   1)
   2)

10. PLEASE LIST ANY SPECIAL SETUP REQUESTS (NEAR OUTLET/EXTRA CHAIR/POWER CORDS/POWER STRIPS)
   1)
   2)
   3)

COMPANY REPRESENTATIVE SIGNATURE:

SHIPPING INFORMATION:
Please do NOT ship materials directly to the meeting facility.
If you need to ship anything, please contact Sarah Schmidt prior to March 1 to make arrangements.

EXHIBITOR HOURS:
Exact setup and tear-down times will be identified closer to the event. Vendor display tables can be set up throughout the duration of the conference. There is, however, specific time for participants to visit the vendor tables during scheduled breaks and meal times.

Please be sure to enclose your check, made payable to The Ohio State University.

Please send your payment to:
Sarah Schmidt
OSUCCC – James
650 Ackerman Road, Suite 353
Columbus, OH 43202

CONFERENCE LOGISTICS CONTACT:
Sarah Schmidt, CMP
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Columbus, OH 43202
Sarah.schmidt@osumc.edu
614-293-5521 (office)