Mayo Clinic Radiation Oncology: Current Practice and Future Direction

January 11-15, 2016
Mauna Lani Resort • Kohala Coast, Hawaii

Register Online Today!
www.ce.mayo.edu/radiology
Date and Location
The *Mayo Clinic Radiation Oncology: Current Practice and Future Direction* course will be held January 11-15, 2016. Course headquarters will be located at the Mauna Lani Resort, an oceanfront property located on the sunny Kohala Coast on the Big Island of Hawaii.

Course Description
*Mayo Clinic Radiation Oncology: Current Practice and Future Direction* is intended to provide balanced and multidisciplinary discussion of contemporary cancer treatment using didactic lectures, panel discussions, and poster sessions. The course will cover several specific clinical areas including central nervous system, genitourinary, breast, and thoracic cancers. The course will also address several important advances in the field, such as the use of brain radiosurgery, stereotactic body radiotherapy, the role of surgery, proton therapy, advances in imaging, and new chemotherapies, as well as how they are integrated into clinical practice.

Course Learning Objectives
Upon conclusion of this program, participants should be able to:
- Discuss treatments for localized prostate cancer
- Explain the role of hypofractionation for prostate and breast cancer in 2016
- Describe stereotactic body radiotherapy for early stage non-small cell lung cancer (NSCLC)
- Recognize toxicities in thoracic radiotherapy
- Review novel approaches in metastatic prostate cancer
- Discuss advanced imaging in radiotherapy planning for gliomas
- Explain the role of surgery in brain metastases
- Describe the optimal management of the axilla in high-risk breast cancer

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

Intended Audience
*Mayo Clinic Radiation Oncology: Current Practice and Future Direction* is designed for radiation oncologists, radiation oncology residents, radiation biologists, radiation physicists, dosimetrists, oncologists working in related specialties, radiation therapists, radiation oncology nurses, oncologic surgeons, radiation oncology administrators, diagnostic radiologists, and all other health professionals involved in the field of radiation oncology.

Grants and Exhibits
At the time of this printing, a complete listing of commercial supporters (financial or in-kind) was not available. Appropriate acknowledgment will be given to all supporters at the time of the course.
General Information

Credit

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of 19 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Self-Assessment Modules (SAMs)

Attendees will have an opportunity to participate in 12 self-assessment modules (SAMs) during the course. The self-assessment modules have been designed to meet the standards of the American Board of Radiology (ABR) for self-assessment modules (SAMs).

Travel

The Mauna Lani Resort is located on the Kohala Coast on the Big Island of Hawaii, approximately 25 minutes north of the Kona International Airport.

The Kona International Airport offers a selection of rental car companies. Enterprise Rent-A-Car offers cars for pick up at the airport or at Mauna Lani Resort. Reservations can be made by calling 808-885-6748.

The Mauna Lani Resort does not provide complimentary shuttle service from the Kona International airport, however, SpeediShuttle offers convenient airport shuttle service. Reservations can be made with SpeediShuttle online at www.speedishuttle.com or by calling 877-242-5777.

Taxis are easily accessible at the Kona International Airport. A one-way taxi fare to Mauna Lani Resort is approximately $93 USD. One-way limousine service is approximately $221 USD. Both rates include tax and gratuity and are subject to change. Taxi and limousine service can be arranged by calling the Mauna Lani Concierge at 808-881-7911.

Travel arrangements are the sole responsibility of the individual registrant.
General Information

Lodging Accommodations

The Mauna Lani Resort is nestled oceanfront on a sandy beach and features elegant guest room accommodations. Guests will discover a myriad of activities to enjoy including: exploring the historic Kalahuiupua’a fishponds, playing a round of golf, venturing into the Pacific on a catamaran, or having a soothing treatment at Mauna Lani Spa.

Mauna Lani Resort
68-1400 Mauna Lani Drive
Kohala Coast, Hawaii 96743
808-885-6622

Guest rooms have been reserved for attendees and their guests with a special course rate:

- **Standard Garden View**: $239 per night
- **Ocean View**: $269 per night

The special course rate is per room, per night, plus tax and is based on double occupancy. A deposit equal to two night’s room revenue and applicable taxes will be required to guarantee reservations at the time of booking. There is also a reduced daily resort fee of $15 USD (plus tax) per room. The resort activity package includes many services and activities including: overnight valet and self-parking, in-room internet access, and access to the fitness club. The suggested porterage charge is $12.00 per person and is at the individual guest’s discretion. The suggested housekeeping gratuity is $3 per room, per day and is also at the individual guest’s discretion.

Reservations may be made by calling 800-367-2323. Please identify yourself as a participant in the Mayo Clinic Radiation Oncology course when making your reservation. The special group rate is offered Friday, January 8, 2016 through Monday, January 18, 2016, based on availability. In order to receive the special group rate, reservations must be made prior to December 11, 2015, and will be based on availability. **Early reservations are highly encouraged to avoid disappointment.** Reservations will be taken following this date based on space and rate availability.

Hotel check-in time is 3:00 p.m. on the day of arrival and check out time is before 12:00 p.m. on the day of departure.

**Lodging arrangements are the sole responsibility of the individual registrant.**

Mayo Clinic Department of Radiology CME is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.

Recreation/Leisure Activities

**GOLF** - Mauna Lani features two championship golf courses, Francis H. I’i Brown North and South. Both golf courses are masterpieces of design, each strikingly different, yet equally challenging and offer a challenging experience to novice and professional golf enthusiasts alike. With professionally guided golf lessons and clinics, this luxury golf resort offers an unforgettable experience for all skill levels. Tee-times can be made by calling 808-885-6655.
SPA - Mauna Lani Spa offers a uniquely Hawaiian spa journey. Inspired by the geographic beauty of the Hawaiian Islands, this luxury spa resembles a Hawaiian village complete with thatched huts, natural lava saunas, meditation hale, Watsu pool, and a full-service salon. Discover the essence of Hawai‘i as you relax and enjoy the tranquil Mauna Lani Spa. Reservations are suggested and can be made by calling 808-881-7922.

Social Programs

Welcome Reception and Packet Pick-Up – Monday, January 11, 2016

Attendees and their guest(s) are cordially invited to join the course faculty for the Welcome Reception on Monday evening, January 11, 2016 from 5:00-6:30 p.m. at the Mauna Lani Resort. This casual reception welcomes you to the Kohala Coast, officially opens the course, and offers you the perfect opportunity to make connections with existing and new colleagues. Pre-registration is requested.

Faculty

Course Directors
Kenneth R. Olivier, M.D.
Nadia N. Laack, M.D.

Mayo Faculty
Debra H. Brinkmann, Ph.D.
Jan C. Buckner, M.D.
C. Richard Choo, M.D.
Brian J. Davis, M.D., Ph.D.
Yolanda I. Garces, M.D.
Michael G. Herman, Ph.D.

Christopher H. Hunt, M.D.
James W. Jakub, M.D.
Nadia N. Laack, M.D.
Robert W. Mutter, M.D.
Lance A. Mynderse, M.D.
Kenneth R. Olivier, M.D.
Ian F. Parney, M.D., Ph.D.
Kathryn J. Ruddy, M.D.
Steven E. Schild, M.D.
Carlos E. Vargas, M.D.
Dennis Wigle, M.D., Ph.D.
Elizabeth Yan, M.D.

Faculty Disclosure

As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of Continuous Professional Development) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

National Physician Payment Transparency Program

Mayo Clinic College of Medicine complies with the requirements of the National Physician Payment Transparency Program OPEN PAYMENTS (Physician Payments Sunshine Act).
Program Schedule

MONDAY, JANUARY 11, 2016
5 - 6:30 p.m.  Welcome Reception and Registration

TUESDAY, JANUARY 12, 2016
6:45 a.m.  Registration and Continental Breakfast for Course Participants
7:15 a.m.  Announcements  
Kenneth R. Olivier, M.D.
7:30 a.m.  Stereotactic Body Radiotherapy for Early Stage Non-Small Cell Lung Cancer (NSCLC) – SAM I  
Yolanda I. Garces, M.D.
8:00 a.m.  Surgery for Early Stage NSCLC – SAM I  
Dennis Wigle, M.D., Ph.D.
8:30 a.m.  SAM Test and Question Discussion  
Yolanda I. Garces, M.D. and Dennis Wigle, M.D., Ph.D.
8:45 a.m.  Radiotherapy for Locally Advanced NSCLC – SAM II  
Yolanda I. Garces, M.D.
9:15 a.m.  Surgery for Locally Advanced NSCLC – SAM II  
Dennis Wigle, M.D., Ph.D.
9:45 a.m.  SAM Test and Question Discussion  
Yolanda I. Garces, M.D. and Dennis Wigle, M.D., Ph.D.
10:00 a.m.  Break
10:15 a.m.  Sensitivity to Setup and Anatomic Uncertainty and the Need for Replanning in Thoracic RT  
Michael G. Herman, Ph.D.
10:45 a.m.  Toxicities in Thoracic Radiotherapy – SAM III  
Steven E. Schild, M.D.
11:15 a.m.  Treatment Planning Approaches in Locally Advanced Lung Cancer – SAM III  
Kenneth R. Olivier, M.D.
11:45 a.m.  SAM Test and Question Discussion  
Steven E. Schild, M.D. and Kenneth R. Olivier, M.D.
12:00 p.m.  Thoracic Tumor Board  
Faculty
12:30 p.m.  Session Adjourns for the Day

WEDNESDAY, JANUARY 13, 2016
6:45 a.m.  Continental Breakfast for Course Participants
7:30 a.m.  Localized Prostate Cancer: Brachytherapy – SAM IV  
Brian J. Davis, M.D., Ph.D.
8:00 a.m.  Localized Prostate Cancer: SBRT – SAM IV  
Carlos E. Vargas, M.D.
8:30 a.m.  SAM Test and Question Discussion
Brian J. Davis, M.D., Ph.D. and Carlos E. Vargas, M.D.

8:45 a.m.  Localized Prostate Cancer: Incorporation of Androgen Deprivation Therapy in Radiotherapy Setting - When, Why, and How Long? – SAM V
C. Richard Choo, M.D.

9:15 a.m.  Localized Prostate Cancer: Proton Therapy – SAM V
Carlos E. Vargas, M.D.

9:45 a.m.  SAM Test and Question Discussion
C. Richard Choo, M.D. and Carlos E. Vargas, M.D.

10:00 a.m. Break

10:15 a.m.  Immobilization and Localization Trade-offs for GU RT
Michael G. Herman, Ph.D.

10:45 a.m.  Radiotherapy for Oligometastatic Prostate Cancer – SAM VI
Brian J. Davis, M.D., Ph.D.

11:15 a.m.  Management of Local Recurrence after Primary Therapy– SAM VI
Lance A. Mynderse, M.D.

11:45 a.m.  SAM Test and Question Discussion
Brian J. Davis, M.D., Ph.D. and Lance A. Mynderse, M.D.

12:00 p.m. GU Tumor Board
Faculty

12:30 p.m. Session Adjourns for the Day

THURSDAY, JANUARY 14, 2016

6:45 a.m.  Continental Breakfast for Course Participants

7:30 a.m.  Something Old, Something New, Something Borrowed, and a Few Other Things in the New Era of Biologic Targets and Chemotherapy in Gliomas – SAM VII
Jan C. Buckner, M.D.

8:00 a.m.  Surgery for Gliomas – When is More Really More? – SAM VII
Ian F. Parney, M.D., Ph.D.

8:30 a.m.  SAM Test and Question Discussion
Jan C. Buckner, M.D. and Ian F. Parney, M.D., Ph.D.

8:45 a.m.  Modern Imaging in Gliomas – Targets, Margins, and the Role of Advanced Imaging – SAM VIII
Christopher H. Hunt, M.D.

9:15 a.m.  Advanced Imaging and Response Assessment in Gliomas – SAM VIII
Debra H. Brinkmann, Ph.D.

9:45 a.m.  SAM Test and Question Discussion
Christopher H. Hunt, M.D. and Debra H. Brinkmann, Ph.D.
THURSDAY, JANUARY 14, 2016 continued

10:00 a.m.  Break
10:15 a.m.  Choose Wisely – The Role of Surgery in Brain Metastases
            *Ian F. Parney, M.D., Ph.D.*
10:45 a.m.  Choose Wisely – The Role of Stereotactic Radiosurgery (SRS) in Brain Metastases – *SAM IX*
            *Elizabeth Yan, M.D.*
11:15 a.m.  Choose Wisely – The Role of Whole Brain RT in Brain Metastases – *SAM IX*
            *Nadia N. Laack, M.D.*
11:45 a.m.  SAM Test and Question Discussion
            *Elizabeth Yan, M.D. and Nadia N. Laack, M.D.*
12:00 p.m.  CNS Tumor Board
            *Faculty*
12:30 p.m.  Session Adjourns for the Day

FRIDAY, JANUARY 15, 2016

6:45 a.m.  Continental Breakfast for Course Participants
7:30 a.m.  Breast Cancer Radiotherapy: The Good, The Bad, and (Reducing) the Ugly – What are the Absolute Risks of Toxicity in the Modern Era? – *SAM X*
            *Robert W. Mutter, M.D.*
8:00 a.m.  Neoadjuvant and Adjuvant Chemotherapy for the Radiation Oncologists – What is the Standard of Care, What is the Evidence, and Where are we Heading? – *SAM X*
            *Kathryn J. Ruddy, M.D.*
8:30 a.m.  SAM Test and Question Discussion
            *Robert W. Mutter, M.D. and Kathryn J. Ruddy, M.D.*
8:45 a.m.  Surgical Management of the Axilla in Patients Receiving Neoadjuvant Chemotherapy – *SAM XI*
            *James W. Jakub, M.D.*
9:15 a.m.  Radiotherapy Management of the Axilla and Postmastectomy Radiotherapy in Patients Receiving Neoadjuvant Chemotherapy – *SAM XI*
            *Robert W. Mutter, M.D.*
9:45 a.m.  SAM Test and Question Discussion
            *James W. Jakub, M.D. and Robert W. Mutter, M.D.*
10:00 a.m.  Break
10:15 a.m.  Setup Reproducibility and Image Guidance in Breast Cancer: How Much Does it Really Move?
            *Debra H. Brinkmann, Ph.D.*
10:45 a.m.  Male Breast Cancer – *SAM XII*
            *Kathryn J. Ruddy, M.D.*
11:15 a.m. Choose Wisely: The Role of Hypofractionation in 2016 and New Frontiers – **SAM XII**
*Elizabeth Yan, M.D.*

11:45 a.m. **SAM Test and Question Discussion**
*Kathryn J. Ruddy, M.D. and Elizabeth Yan, M.D.*

12:00 p.m. **Breast Tumor Board Faculty**

12:30 p.m. **Course Concludes**

---

### Abstract Submission for Poster Presentations

**Overview:**
Participants of the *Mayo Clinic Radiation Oncology: Current Practice and Future Direction* course are invited to submit abstracts for poster presentations. Goals of the poster presentations are to educate and inform about research innovations, share ideas and interest, and network with other participants. Previously presented materials are accepted. Posters of accepted abstracts will be displayed for viewing throughout the course.

**Abstract and Poster Format Guidelines:**
- Abstract submissions are limited to 400 words, excluding title, author, and institution information and should be submitted as a one-page, single-spaced Word document.
- Abstracts should be organized into four sections: purpose/objectives, methods/materials, results and conclusions.
- Inclusion of tables and images is acceptable, but must be within the one-page abstract document.
- The title should be at the top of the abstract in bold font followed by a complete list of authors including relevant degrees, department, and medical institution. Please identify the presenting author(s) with an asterisk (*).
- For abstracts selected as poster presentations, the maximum poster size allowed is 3 feet tall by 4 feet wide. Poster display boards and Velcro will be provided to mount posters for display.

**Submission Deadline and Instructions:**
Abstract submissions are due by **November 11, 2015**, and can be submitted via email to radiologycme@mayo.edu.

**Selection and Notification:**
A review committee will evaluate poster abstracts based on the following criteria: scientific content, novelty, writing quality, and overall scientific merit. Notification of poster acceptance will be made via email by **December 11, 2015**. Additional information will also be sent at this time including when and where posters can be set up on-site.

All presenters are required to register for the meeting. Mayo Clinic will not provide reimbursement for travel or lodging for presenters.

**Questions:**
Any questions regarding abstract submissions can be directed to the Mayo Clinic Department of Radiology CME Office at 507-284-3317 or radiologycme@mayo.edu.
Radiology Self-Study CME Courses and Educational Resources

- Advanced Radiology Life Support™ (ARLS) Course
  January 9 and October 15, 2016
  Mayo Clinic, Siebens Medical Education Building
  Rochester, Minnesota

- Tutorials in Diagnostic Radiology with Advanced Radiology Life Support™ (ARLS) Course
  January 17-22, 2016
  The Fairmont Kea Lani • Maui, Hawaii

- 2014 Advances in Diagnostic Radiology
  16.75 AMA PRA Category 1 Credits™

- 2014 Essentials of Radiology:
  A Mayo Clinic Review
  37.5 AMA PRA Category 1 Credits™

- 2014 Neuroradiology: Practice to Innovation Course
  21 AMA PRA Category 1 Credits™

- 2014 Tutorials in Diagnostic Radiology
  24.75 AMA PRA Category 1 Credits™

To order or for more information, please visit www.ce.mayo.edu/radiology.

ContrastTx – Mayo Clinic Contrast Reaction iPhone/iPad App
Designed to give providers quick access to Mayo Clinic’s contrast reaction treatment protocols. This app focuses on the potentially life-threatening reactions that can occur when administering iodine or gadolinium radiographic contrast to patients.

To learn more, search “Mayo Clinic Contrast” in the Apple App Store. Download today for just $2.99.

Suggested Treatment Regimens for Contrast Reactions (Poster)
To order or for more information, please visit www.ce.mayo.edu/radiology.
Registration

Register online:
www.ce.mayo.edu/radiology

Registration Fee: $895

A complimentary syllabus on flash drive is provided for this course. A paper syllabus is not available.

Mayo Clinic Department of Radiology has implemented an online conference registration system. If this is your first time using the online system, you will need to create a profile and login. Please note your login information for future registrations and access to program details.

Register by entering the website listed above and click on Register Now. The system will guide you through the profile and login process. An email address is required upon registration. A letter of confirmation will be forwarded to this address upon receipt of payment and submitted registration. Present this letter of confirmation when checking in at the course registration desk.

The registration fee includes: course tuition, comprehensive course syllabus on flash drive, daily continental breakfast and break refreshments (for course participants only), welcome reception for course participants and guests, CME mobile meeting app, and 12 Self-Assessment Modules (SAMs). Although it is not Department of Radiology CME policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised.

Cancellation Policy

If you cancel your participation in this course, your registration fee, less a $75 administrative fee, will be refunded when written notification is received by the Department of Radiology CME Office before December 28, 2015 (radiologycme@mayo.edu or fax#: 507-266-3061). No refunds will be made on or after December 28, 2015. Canceled registrations are non-transferable.

For additional information, contact:
Mayo Clinic Department of Radiology
Continuing Medical Education Office
Mayo, W-2
200 First Street SW
Rochester, MN 55905
Website: www.ce.mayo.edu/radiology
E-mail: radiologycme@mayo.edu
Phone: 866-246-1581
Fax: 507-266-3061

Mayo Clinic Department of Radiology CME and/or Mayo School of CPD reserve the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo Clinic Department of Radiology CME and/or Mayo School of CPD must cancel or postpone this course, Mayo Clinic Department of Radiology CME will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.
Mayo Clinic Radiation Oncology: Current Practice and Future Direction

January 11-15, 2016
Mauna Lani Resort • Kohala Coast, Hawaii

Register Online Today!
www.ce.mayo.edu/radiology

If you already received a copy of this brochure, please give this brochure to an interested colleague.

©2013 Mayo Foundation for Medical Education and Research | MC4199-54