Seventh Annual
Technical and Clinical Advances in Radiation Oncology:
Back to Basics – Past, Present, & Future

DATE:
Saturday, March 29, 2014

TIME:
8:00 am – 4:30 pm

LOCATION:
Herberman Conference Center
Second Floor, Cancer Pavilion
5150 Centre Ave.
Pittsburgh, PA 15232

Course Directors
Greg Bednarz, Ph.D.
Saiful Huq, Ph.D.

Seminar Description:
This one-day multi-disciplinary seminar addresses the educational needs of health care professionals in radiation oncology by providing an overview of past, present, and future technical and clinical advances in the radiation oncology field.

Target Audience:
Medical Dosimetrists, Radiation Therapists, Nurses, and others working in the radiation oncology field.

Course Objectives:
Upon completion of this seminar the participant should be able to:

- Discuss relevance of clinical advancements in radiotherapy techniques and it’s positive impact on the oncology field and patient care
- Compare several methods of breast compensation, including example cases, to provide step-by-step instruction for decreasing toxicities during breast radiotherapy
- Discuss modern techniques, such as 3D, IMRT, critical organ dosimetry, boost approaches, and hypofractionation for breast radiotherapy, including methods to evaluate plans
- Explain current and historical field set-up treatment techniques and alternate treatment radiotherapy devices to prevent clinical issues and side effects involved with CNS radiation
- Review basic registration quality evaluation tools and recommendations for a quantified evaluation of the image registration quality
- Discuss the management of bulky tumors with the use of GRID Therapy Technique
- Explain process of Stereotactic Radiosurgery from simulation to treatment, including current challenges, from the perspective of a lead therapist.
- Review the role of radiation therapy in both early and late stage Non-Small Cell Lung Cancer with specific attention to dose and fractionation.
- Identify risk factors associated with prostate cancer and how those risk factors apply to the decision-making process surrounding treatment options.
- Discuss the advancement of image-guided brachytherapy in the treatment of cervical cancer in terms of planning and evaluation
- Explain the “real-time” approach to ultrasound-guided prostate seed implant using Cs-131
- Examine past, present, and future innovative strategies for cancer management with radiation therapy.
PROGRAM SCHEDULE AND FACULTY
All faculty are affiliated with the University of Pittsburgh Medical Center (UPMC), or UPMC CancerCenter unless otherwise noted.

7:30am Registration and Breakfast

8:00am Welcome and Course Overview
Saiful Huq, PhD, FAAPM, FInstP

8:10am MLC-Based Compensation in Breast Radiotherapy
Enrique (Rick) Chevallier, CMD

9:10am Evaluating Plans for Adjuvant Breast Radiotherapy
Sushil Beriwal, MD

9:40am Break

9:55am Whole CNS Axis Radiotherapy: Indications, Treatment Technique, and Side Effects
John C Flickinger, MD, FACR

10:55am Image Registration Quality Evaluation Tools
Chuck McCoy, CMD

11:25am Lunch

12:10pm High-Dose Spatial Fractionated GRID Therapy: A New Approach to an Old Technique in the Management of Advanced Cancers
Mary Mohney, BS, RT(R)(T), CMD
Melissa Barruzza, BS, CMD

12:50pm Basics of Stereotactic Radiosurgery: A Therapist’s Perspective
Amanda Rakow, BS, RT(R)(T)
Rachel Kirin, RT(R)

1:20pm NSCLC – All Stages Updated: Integration of Radiotherapy
David A. Clump, MD, PhD

2:00pm The Rationale of the Current Treatment Options for Prostate Cancer
Ryan Smith, MD

2:40pm Break

2:50pm 3D Image-Guided Brachytherapy
Hayeon Kim, MS
Chris Houser, MS

3:50pm Radiation Therapy: State of the Art and the Future
Saiful Huq, PhD, FAAPM, FInstP

4:20pm Review and Evaluation
Greg Bednarz, PhD

4:30pm Adjournment

Faculty Disclosure In accordance with requirements on disclosure, information about relationships of presenters with commercial interests (if any) will be included in materials distributed at the time of the conference.

Personal Accommodations
Please indicate any personal accommodations you may need for the program, such as sign language interpreter, large print conference materials, Braille conference materials, wheelchair height tables, vegetarian meals, diabetic meals, accessible parking, or other. Please call 412-623-3652 or email tonderaks@upmc.edu two weeks prior to the program if you need any personal accommodations in order to participate.

CONTINUING EDUCATION CREDIT
Application has been made for continuing education credit for the following disciplines:
Dosimetry (MDCB)
ASRT Accreditation
Activity approved by ASRT for 8.5 category A credits.

COURSE FEE
Fee for this course is $30 for UPMC employees and $60 for all other regional health care professionals (non-UPMC). Included are course materials, continental breakfast, buffet lunch, and continuing education credit for multiple disciplines meeting indicated criteria.

PAYMENT
Payment MUST accompany registration. Make checks payable to: University of Pittsburgh Cancer Institute

UPMC Employees:
If you are a UPMC employee and your department will be responsible for payment complete the following:

Authorized Department Signature:

Phone number of authorized person:

Sponsors reserve the right to make changes as necessary.

REGISTRATION FORM
Technical and Clinical Advances in Radiation Oncology:
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Name: ______________________

Discipline/ Certification: ________________

Mailing Address: ________________________

Phone: _____________________________

E- Mail: ____________________________

Institution/ Practice Site: ______________

UPMC Employee ID# (if employee):

Payment:
UPMC Employee - $30 check enclosed_____
Non-UPMC Employee - $60 check enclosed ______
Payable to: University of Pittsburgh Cancer Institute

Please print clearly and mail registration form and payment to:

UPMC CancerCenter
Professional Education
North Tower - Room 530
5230 Centre Ave.
Pittsburgh, PA 15232

UPMC Employees may scan registration to tonderaks@upmc.edu

Confirmation letter will be provided by email only. If no email access, please indicate above.

Pre-registration is REQUIRED.
Registration Deadline: 3/21/14