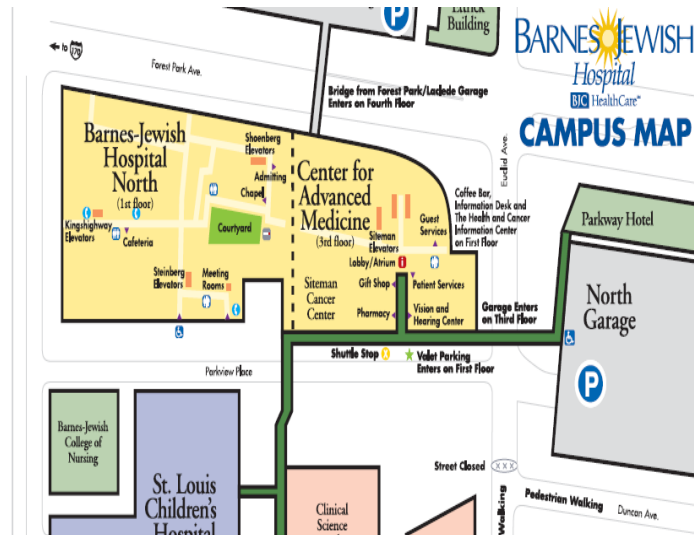


Accommodations:

The Parkway Hotel's 220 beautiful, non smoking guestrooms consist of complimentary high speed internet access, coffee maker, refrigerator and microwave. Enjoy our lobby level with WI-FI access. The Parkway Hotel's third floor connects to the second floor of the Eric P. Newman Education Center by a Pedestrian Bridge for your convenience. Call 314-256-7777 or 1-866-314-7700 Toll free to make your reservations by March 22, 2010 (4PM CT) Please identify yourself to be with the RESPIRATORY MOTION MANAGEMENT guestroom block to get your group discount. Executive level, located on the higher floors of the hotel, which include our extended continental breakfast and evening snacks \$129 + tax per night, or our Standard Level for \$119.00 + tax.

Location:

Barnes-Jewish Hospital is conveniently located in St. Louis, one block north of I-64 (US 40) and Kingshighway Boulevard intersection. It is in the Central West End area, across from Forest Park.



PARKING: North Parking Garage:

Serving the Center for Advanced Medicine and Barnes-Jewish Hospital North, is a 5-story structure and is located near the intersection of Forest Park Boulevard and Euclid Avenue.



and

**Philips Medical Systems
Customer Services Clinical Education**

present
**Respiratory Motion Management
for Radiation Therapy (MMRT)
Peer Training
April 23-24, 2010**

Course Objective:

This 2-day course, taught by physicians and medical physicists, is intended for radiation oncologists, medical physicists, dosimetrists, therapists, and others who want to gain exposure to Respiratory Correlated Imaging. The objective is to understand the benefits and how it can be implemented in attendee's clinical environment to improve patient care. The course consists of lectures, discussions, and hands-on learning lab exercises. Topics include clinical indications, scanning process, review and analysis of 4D CT studies, treatment planning, commissioning and QA, and treatment delivery. The goal is to help answer some of these questions:

- What are the indications for doing a Respiratory Correlated CT scan?
- Should I do a Prospective or Retrospective or breath-hold scan?
- How can I use the recorded breathing signal in my analysis?
- How should I determine whether a technique for managing motion needs to be employed during treatment?
- Which datasets should be sent to treatment planning? Which set of images should be used for dose calculations? (primary volume)
- What are the different motion management techniques in use today and which one(s) do you recommend?

Credits will be offered for ASRT, CAMPEP or MDCB.

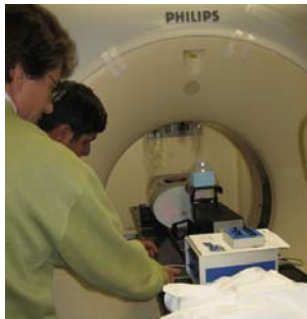
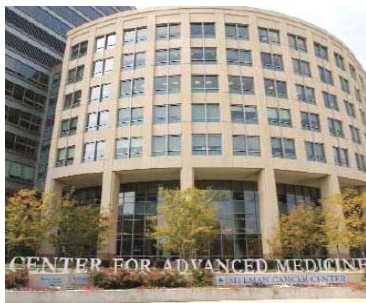
- Who can I contact to get more information about this course?
 - For the Clinical/Technical questions contact:
Dr. Eric E. Klein:
eklein@radonc.wustl.edu
 - For registration information, see last page of this brochure, or contact: Cheryl Zmaila:
czmaila@radonc.wustl.edu

Course Format:

- 2 days (Friday / Saturday)
- Day One
 - Symposium-type setting
 - Concepts, lectures, guest speakers
 - Examples of best practices and different possible workflows
 - Review of latest literature and research results
- Day Two
 - Hands-on workshop, 6 lab stations
 - Run scans on phantom, walk through entire 4D scenario from CT Sim to Planning to Treatment
 - Review & discuss real patient cases (hands-on using Tumor LOC and Pulmonary Viewer)

Course Venue:

The course (Friday) will take place at the Eric P. Newman Education Center, located at Washington University's Medical Center. The hands-on workshop will take place in the Radiation Oncology Center of Barnes-Jewish Hospital @ Washington University's Medical Center. The Hotel, Education Center, and Radiation Oncology Department are within ¼ mile of each other.



<u>Friday, April 23, 2010 Lectures and Discussion</u>	
7:30 – 7:50 AM	Registration and Continental Breakfast
7:50 – 8:00	Introductions and Overview: The Need for Motion Management Eric Klein, Ph.D.
8:00 – 9:00	Clinical Indications for 4D Jeff Bradley, M.D.
9:00 – 10:00	Treatment Planning and Delivery for Respiratory Gating Daniel A. Low, Ph.D.
10:00-10:30	Break and Discussions
10:30 – 11:30	Concepts and Process for Dynamic CT Acquisition Sasa Mutic, M.S.
11:30 – 1:00: PM	Catered Lunch
1:00 – 2:00	M.D. Anderson Hospital Experience Managing Patient Motion for Radiotherapy Lei Dong, Ph.D., M.D. Anderson
2:00 – 3:00	4D CT Acquisition with the Philips <i>Brilliance Big Bore</i> Scanner Parag Parikh, M.D.
3:00 – 3:30	Break and Discussions
3:30 – 4:30	Technical Implementation of Treatment Delivery for MMRT Lakshmi Santanam, Ph.D.
4:30 – 5:00	Wrap-Up
5:30 – 7:00	Reception
<u>Saturday, April 24, 2010 Hands-On Workshop (8:00 am – 3:30 pm)</u>	
<u>Six Lab Stations (1 hour each)</u>	
<ul style="list-style-type: none"> • CT-1: (RPM System) - Main Acquisition modes (Retrospective, Spiral and Prospective Axial) • CT-2 : (Philips Bellows):-(4DCT image review, Case Analysis, Tag Editing) • Tumor LOC - General Concept, 4D Applications, and Case Reviews • Pinnacle - Treatment planning process with 4D images and Field-Periphery Generation • Varian Trilogy - Technical Aspects of Gated Therapy • Varian Trilogy - Clinical Aspects of Gated Therapy 	
Note: Faculty, topics, format, and course dates are subject to change	

ADVANCE REGISTRATION

Respiratory Motion Management

Friday, April 23 & Saturday, April 24, 2010

To ensure proper spelling of your name, please print clearly. The information provided will appear as written on the attendance roster.

If you wish not to be listed on the attendance roster, check here:

First Name	Initial	Last Name	Degree
Institution/Company			
Address			
City/ State/ Zip			
Office Phone Fax			
Specialty			
E-mail			

REGISTRATION FEES By March 19, 2010 (postmark)

- Physician, Physicist, Allied Health Professional \$1,800**
- \$2,200 (after March 19)**
- Resident (Physics, Physician in accredited program) \$1,000**
- \$1,400 (after March 19)**

Your full payment in advance completes your registration and ensures enrollment in this course and hands-on workshop. Fees include enrollment, educational materials, continental breakfast, refreshment breaks and lunches.

TO REGISTER!

MAIL this completed form with your check payable to Washington University.

Campus Box 8224, 4511 Forest Park Ave., Suite 200., St. Louis, MO 63108, Attention: Ms. Jessica Ritter

Note: *Cancellations made in writing between 30 and 60 days prior to the first day of the course will be subject to a 50% cancellation fee. No refunds will be given less than 30 days prior to the first day of the course. No telephone cancellations will be accepted. In the unlikely event that the course is canceled, Washington University School of Medicine will refund the registration fee, but is not responsible for any travel costs. **Attendee is responsible for any cancellation fee incurred.***