

Hands-on SBRT Workshop



October 14-16, 2016
Seattle, WA

in partnership with

UW Medicine

UNIVERSITY OF WASHINGTON
MEDICAL CENTER



~ AAPM endorses the educational component of this program. ~
It does not however, endorse any
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The Radiosurgery Society © (RSS) does not endorse the products
in question; rather endorses the educational component of this program.

the
Radiosurgery
Society®

MTMI

Medical Technology
Management Institute

A continuing education division of
HERZING UNIVERSITY

◆ 8 SAMs offered ◆

includes
6 hours of
hands-on
labs

About this Workshop

Stereotactic Body Radiation Therapy (SBRT) is proving to provide clinical advantages in treating tumors in some anatomical sites. This technique requires more rigorous set-up and positioning of the patient, accurate definition of small radiation fields, management of patient motion and comprehensive quality assurance of treatment delivery. This workshop addresses these issues for an SBRT program. An overview of critical considerations for SBRT is presented in a didactic format each day, hands-on demonstrations of important procedures and helpful tools are covered in a clinical laboratory environment on day two and an opportunity to meet the experts in small groups for informal discussions on day three. The labs address details of the SBRT clinical workflow including small field data collection and treatment planning commissioning, patient immobilization and motion management and quality control assessment processes. Plan to get all your questions answered by an experienced and knowledgeable faculty member.

Who Should Attend

This hands-on workshop is for medical physicists, dosimetrists and other healthcare professionals interested in learning the technical aspects of establishing an SBRT program. Radiation Oncologists may also benefit from attending this comprehensive program.

Workshop Format

Attendees will be assigned to small groups and **rotate through 6 hours of interactive lab sessions**. Laboratory sessions will be facilitated by workshop faculty members and vendor representatives. Labs will be conducted on equipment from a variety of vendors. The equipment provided by participating vendors is not an endorsement of these systems but is merely intended to represent examples of the technology available and the procedures used. Continental breakfast and lunch are included. The workshop will adjourn at 1:00 pm on Sunday.

Meet the Experts

This session will provide the attendees the opportunity to participate in small group discussions with experienced medical physics and radiation oncology experts to address a wide array of topics of specific interest to SBRT.

Educational Objectives

At the completion of this course, participants will be able to:

- Obtain in-depth knowledge on the current treatment protocols for SBRT.
- Understand the radiobiological foundations of SBRT.
- Describe how to set up an SBRT program including the clinical and commissioning requirements.
- Become familiar with the simulation and motion management options appropriate for SBRT treatments.
- Review the SBRT treatment planning goals and strategies for 3DCRT, IMRT and VMAT SBRT.
- Obtain knowledge on the AAPM, ASTRO and ACR recommended guidelines for QA of SBRT.
- Identify the various treatment machines capable of delivering SBRT, the importance of daily image guidance and image guidance strategies.
- Review the previously reported misadministration's in SBRT, learn incidence reporting and become familiar with the strategies for establishing safety processes and implementing timeout checklists.
- Obtain knowledge on advances in SBRT, such as functional imaging, immune-response and high radiation doses and discuss the future directions of SBRT.
- Develop hands-on experience and observe typical SBRT procedures within a lab environment.
- Gain exposure to and hands-on interaction with commercial solutions for common SBRT equipment.

Suggested books offered at reduced rates:

#1 Stereotactic Body Radiation Therapy - S. Lo et al - \$ 140

#2 Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy - S. Benedict et al - \$ 130

Books delivered at workshop, order on Registration Form (additional books may be available at workshop)

Workshop Schedule

.....Friday, Oct 14

- 7:30 am *Registration and Continental Breakfast*
- 8:00 am **Welcome and Opening Remarks**
- 8:15 am **Why SBRT and What is State-of-the-Art? (SAM #1)**
- 9:15 am **Radiobiological Foundation of SBRT (SAM #2)**
- 10:15 am *Informal Discussion and Break*
- 10:45 am **Setting up an SBRT Program - Part I (SAM #3)**
Clinical Requirements to Initiate an SBRT Program
- 11:15 am **Setting up an SBRT Program - Part II**
Commissioning Requirements
- 12:00 pm *Lunch (provided)*
- 1:00 pm **Simulation and Motion Management Options - (SAM #4)**
- 2:00 pm **SBRT Treatment Planning (SAM #5)**
- 3:00 pm *Informal Discussion and Break*
- 3:30 pm **Patient/ Treatment QA Requirements (SAM #6)**
- 4:30 pm *Adjourn for the Day*

.....Saturday, Oct 15

- 8:00 am *Coffee and Continental Breakfast*
- 8:30 am **Treatment Delivery/Image Guidance**
- 9:15 am **Patient Safety**
- 10:00 am *Informal Discussion, Break and move to lab areas*
- 10:30 am **4 Lab Sessions**
- 12:30 pm *Lunch (provided)*
- 1:30 pm **4 Lab Sessions**
- 3:30 pm *Informal Discussion and Break*
- 4:00 pm **4 Lab Sessions**
- 6:00 pm *Reception and Networking*
(dinner on your own)

**6 hours of
hands-on
INTERACTIVE
labs**

.....Sunday, Oct 16

- 8:30 am *Coffee and Continental Breakfast*
- 9:00 am **Advances in SBRT Part I: Functional Imaging (SAM #7)**
- 9:30 am **Advances in SBRT Part II: Immuno-Response and High
Radiation Doses**
- 10:00 am **Future Directions of SBRT (SAM #8)**
- 11:00 am **Meet the Experts**
- Spine SBRT
 - Lung SBRT
 - Motion Management
 - Treatment Delivery and Image Guidance
 - Patient QA
 - Surface Imaging
 - Liver SBRT
 - Treatment Planning
 - Simulation
 - Small Field
 - Safety and National Error Reporting
- 12:40 pm **Wrap Up Session**
- 1:00 pm *Adjourn*

6 hours of hands-on interactive labs

Lab Topics:		
TPS Commissioning	Surface Imaging	Patient Specific QA
SBRT Treatment Planning	Detectors for Small Fields	WL-MV/kV Combined Test
Image Registration	Patient Immobilization	Small Field Dosimetry
Respiratory Management	UW Cyclotron Tour	Pretreatment Localization

♦ register at www.mtmi.net ♦

Program Co-Directors

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Seattle, WA

Continuing Education

Physicists - This activity is designed to provide continuing education in radiation therapy for practicing clinical medical physicists. Application has been made to CAMPEP for approval of up to 18 hours of Medical Physics Continuing Education Credit (MPCEC) for qualified medical physicists.

Dosimetrists - An application has been submitted to the MDCB for approval of credits for dosimetrists. These credits are also recognized by the ARRT for continuing medical education credits for Certified Medical Dosimetrists. A certificate of attendance will be provided for each individual upon completion of this workshop.

SAM Credits

This activity includes **8** approved SAM credits for Physicists. To cover approval, tracking and reporting costs, MTMI charges \$30 for each SAM credit awarded. SAM credits may be purchased in advance or at the activity.

The American Board of Radiology (ABR) as part of its Maintenance of Certification (MOC) program for diplomats in radiology, radiation oncology and medical physics with time-limited or continuous certificates, requires participation in Lifelong Learning and Self-Assessment. The ABR requires each diplomat to attain at least 75 continuing education credits (CE) every 3 years which includes at least 25 self-assessment CE (SA-CE) credits. One form of SA-CE credits are ABR approved Self-Assessment Modules (SAMs). Participants are expected to self-report their SAM credits to the ABR. Go to www.theabr.org for more information about their MOC program and requirements.

To register for this program:

go to www.mtmi.net or complete the registration form attached and mail it with your tuition to MTMI, or call (800) 765-6864 using MasterCard or Visa, Discover, AMEX or fax the form to (414) 238-2740 w/credit card info

- Refunds, minus a \$50 processing fee, will be granted for cancellations received prior to 10 days before the program.
- Cancellations received within 10 days of the program will receive a credit toward a future MTMI seminar, minus the \$50 processing fee. No refunds will be made after the program has started.

MTMI reserves the right to cancel any scheduled program because of low advance registration or other reasons. MTMI's liability is limited to a refund of any tuition fee paid.



MTMI is committed to support anyone with special needs. Call 800-765-6864 for assistance.

Workshop Location & Accommodations

Friday – October 14

UW Center for Urban Horticulture
3501 NE 41st Street, Seattle, WA 98105

Saturday/Sunday – October 15 – 16

Warren G. Magnuson Health Sciences Center
University of Washington School of Medicine
1959 NE Pacific Street
Seattle, WA 98195

*Shuttle service provided
to/from meeting locations*

Watertown Hotel

4242 Roosevelt Way NE
Seattle, WA 98105
206-826-4242
\$159.00 + tax (single/double)
<http://www.watertownseattle.com/>

OR

University Inn

4140 Roosevelt Way NE
Seattle, WA 98105
206-632-5055
\$129.00 + tax (single/double)
<http://www.universityinnseattle.com/>
~make reservations by 9/15/16~

Airport transportation : Recommended is Shuttle Express - Reservations: 425-981-7000 or Light Rail to University of Washington Huskey Stadium Station, located 1 mile from Watertown Hotel. Call hotel when boarding Light Rail to schedule complimentary shuttle pick-up to hotel.

Registration Form: Hands-on SBRT Workshop Seattle, WA - Oct 14-16, 2016

Please print clearly - this is how your name will appear on your certificate.

Name: _____

Home Address: _____

City: _____ State: _____ Zip code: _____

*e-mail: _____

Day phone: () _____ Eve. phone: () _____

Tuition	Regular fee	Member fee	Become a Member
Physicist & other	<input type="checkbox"/> \$995	<input type="checkbox"/> \$960	<input type="checkbox"/> \$65
Dosimetrist/Resident	<input type="checkbox"/> \$750	<input type="checkbox"/> \$715	<input type="checkbox"/> \$39
8 SAMS	<input type="checkbox"/> \$240	SAMS may be purchased at door	
Suggested Book 1	<input type="checkbox"/> \$140	Stereotactic Body Radiation Therapy - S. Lo et al	
Suggested Book 2	<input type="checkbox"/> \$130	Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy - S. Benedict et al	

Total:
\$ _____

Credit Card # _____

MasterCard Visa Discover AMEX Check Expiration date: _____ 3 digit code: _____

Signature: _____

Return to: MTMI ♦ W140 N8917 Lilly Road ♦ Menomonee Falls, WI 53051
800-765-MTMI(6864) or 262-717-9797 for FAX 414-238-2740 or email custservice@mtmi.net
or register online at www.mtmi.net