



The RSS and ACRO Program for “Distinction in Stereotactic Radiation Therapy”

**Practical Medical Physics:
Radiation Oncology Accreditation Programs
AAPM Annual Meeting, Nashville, TN
July 30, 7:30-9:30**

**Presented by
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Disclosures

- Board member of the RSS
- Chair of the RSS Physics Committee to establish guidelines for the “Distinction in Stereotactic Radiation Therapy”
- The RSS-ACRO “Distinction in SRT” as part of the accreditation process has not been formally approved by either RSS or ACRO, and these slides are meant to introduce the audience to the proposed program. Some modifications to the details presented may be changed in the final program.

Members of the RSS organizing the “*Distinction in Stereotactic Radiation Therapy*” for ACRO Accreditation I

- Medical Director: Simon Lo, University of Washington, WA
- **Intracranial Disease Site Team:**
- Iris Gibbs (Team Leader), Stanford University, CA
- Rich Bucholz, St. Louis University, MO
- Scott Soltys, Stanford University, CA
- Sam Chao, Cleveland Clinic, OH
- Jonathan Knisely, Weill Cornell, NY

- **Spine Disease Site Team:**
- Simon Lo (Team Leader), University of Washington, WA
- Peter Gerszten, UPMC, PA
- Kristin Redmond, Johns Hopkins, MD
- Zain Husain, Yale University, CT

Members of the RSS organizing the *"Distinction in Stereotactic Radiation Therapy"* for ACRO Accreditation II

- **Lung Disease Site Team:**

- Greg Videtic (Team Leader), Cleveland Clinic, OH
- Rachelle Lanciano, Drexel University, PA
- Jonathan Lischalk, Georgetown, Washington DC
- Arjun Pennathur, UPMC, PA

- **Liver Disease Site Team:**

- Karyn Goodman (Team Leader), University of Colorado, CO
- Michael Lock, London Regional Cancer Program, Canada
- Jim Apisarnthanarax, University of Washington, WA

Members of the RSS organizing the “*Distinction in Stereotactic Radiation Therapy*” for ACRO Accreditation III

- **Pancreas Disease Site Team:**

- Anand Mahadevan (Team Leader), Geisinger Health, PA
- Joe Herman, MD Anderson, TX
- Cullen Tanaguchi, MD Anderson, TX

- **Prostate Disease Site Team:**

- Jon Haas (Team Leader), Winthrop University, NY
- Sean Collins, Georgetown University, Washington DC
- Najeeb Mohideen, Northwest Community Hospital, IL
- Constantine Mantz, 21st Century Oncology, FL
- Michael Zelefsky, Memorial Sloan Kettering Cancer Center, NY

Members of the RSS organizing the “*Distinction in Stereotactic Radiation Therapy*” for ACRO Accreditation IV

- **Physics Team:**
- Physics Director: Stan Benedict, University of California, CA
- Indrin Chetty, PhD, Henry Ford Health System, MI
- Steve Goetsch, PhD, San Diego Gamma Knife Center, CA
- M. Saiful Huq, PhD, University of Pittsburgh Medical Center, PA
- Gwe-Ya (Grace) Kim, PhD, University of California, San Diego, CA
- Wolfgang Tome, PhD, Montefiore Medical Center, NY
- Brian Wang, PhD, University of Louisville, KY
- Jun Yang, PhD, Philadelphia CyberKnife, Drexel University, PA
- Annie Hsu, PhD, Stanford University, CA
- Minsun Kim, PhD, University of Washington, WA

RSS-ACRO Distinction in Stereotactic Radiation Therapy : Overview

- 1.0 BACKGROUND
 - 1.1 Stereotactic Body Radiotherapy
 - 1.2 RSS and ACRO
- 2. SRS/SBRT Accreditation Program Management
- 3. Applicant Eligibility
- 4. SRS/SBRT Practice Review
- 5. Medical Chart Review
- 6. Physics Review
- 7. Radiation Therapy Personnel Review
- 8. Radiation Therapy Equipment Review

1. The Radiosurgery Society

- The Radiosurgery Society (RSS) is a multi-disciplinary, non-profit professional organization consisting of radiation oncologists, neurosurgeons, surgeons, medical physicists, dosimetrists, nurses, administrators and healthcare providers dedicated to advancing the science and clinical practice of stereotactic radiosurgery (SRS), stereotactic radiation (SRT) and stereotactic body radiotherapy (SBRT).
- The RSS aims to promote education, scholarly exchange of information, clinical research, adoption and improvement of SRS/SBRT techniques and facilitate the development of SRS/SBRT treatment methods that offer the optimum in safety and efficacy for patients.

2. SRS/SBRT Accreditation Program Management

- Medical Director (reports to the Board of Directors)
- Disease Site Team Leader (reports to the Medical Director)
- Disease Site Team Members (reports to Disease Site Team Leader)

- Medical Physics Director (reports to RSS BOD and coordinates activities with Medical Director and ACRO Physics Director)
- Accreditation Physics Committee (reports to Medical Physics Director)

- ACRO Accreditation Staff

3. Applicant Eligibility

- The institution shall have previously completed and been approved as an ACRO Accredited Institution
- Shall have demonstrated an active SRT program with treatments, staff, and training in accordance with established guidelines

4. SRS/SBRT Practice Review

- Practice demographics
- Types of practice and affiliations
- Consultations and treatments for SRS/SBRT
- Anatomic sites
- Clinical trial participation

5. Medical Chart Review

- About Fifteen charts will be reviewed for each Principal Practice
- An attempt to represent the patient mix of the practice will be made by the Accreditation staff
- The reviews are scored against established chart review measures (e.g.. From Consultation, Simulation, Planning, to Treatment delivery management)
- Clinical Performance Measures (From diagnosis to follow-up medical care)

6. Physics Review

- SRS/SBRT treatment machine commissioning (CK, GK, and L-shaped linacs)
- CT simulation and respiratory/motion management
- SRS/SBRT Treatment Planning System Evaluation
- Patient specific quality assurance procedures
- Staff and Training
- Clinical trial participation
- Adopting new and emerging technology for SRT



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Thank You