AANS/ASTRO Stereotactic Radiosurgery Course for Neurosurgery and Radiation Oncology Residents
June 9-11, 2017 – Pittsburgh, PA
Course: University of Pittsburgh Medical Center
Draft Agenda

Course Directors:  Local Hosts:
John Suh  Dade Lunsford
Jason Sheehan  Robert Friedlander
John Flickinger

Invited Course Faculty:
Lilyana Angelov, Cleveland Clinic
Gene Barnett, Cleveland Clinic
Mark Bilsky, Memorial Sloan Kettering
Steven Chang, Stanford University
Samuel Chao, Cleveland Clinic
Anthony DeSalles, University of California at Los Angeles
Johnathan Engh, University of Pittsburgh
John Flickinger, University of Pittsburgh
Robert Friedlander, University of Pittsburgh
Peter Gerszten, University of Pittsburgh
Brian Kavanagh, University of Colorado
L. Dade Lunsford, University of Pittsburgh
Ajay Niranjan, University of Pittsburgh
Edward Monaco, University of Pittsburgh
R. Mark Richardson, University of Pittsburgh
Michael Schulder, North Shore University Hospital
David Schlesinger, University of Virginia
Jason Sheehan, University of Virginia
John Suh, Cleveland Clinic
Josh Yamada, Memorial Sloan Kettering

Friday – June 9, 2017 (UPMC Presbyterian Shadyside Hospital - Scaife Conference Center – 11th Floor)

6:00-8:00 pm  Registration, Welcome Reception and Dinner: Residents and Faculty
8:00-8:10 pm  Course Welcome and Technology Overview (Suh and Sheehan)
8:10-8:30 pm  Radiobiology of Radiosurgery (John Suh)
8:30 pm  Walk to Hotel
6:30am-7:00 am **Breakfast (30 minutes)**

Intracranial Radiosurgery Session
Faculty participants emphasize patient selection and complication avoidance in each presentation.
(15 minute talks; 5 minutes for questions)

AM Session

7:00-7:10 am Welcome (Robert Friedlander and L. Dade Lunsford)
7:10-7:30 am The Physics of Radiosurgery (David Schlesinger)
7:30-7:50 am Radiosurgery for Acoustic Neuromas (L. Dade Lunsford)
7:50-8:10 am Radiosurgery for Arteriovenous Malformations and other Vascular Malformations (Jason Sheehan)
8:10-8:30 am Radiosurgery for Pituitary Adenomas (Edward Monaco)
8:30-8:50 am **Break (20 minutes)**
8:50-9:10 am Radiosurgery for Trigeminal Neuralgia and Other Functional Disorders (Ajay Niranjan)
9:10-9:30 am Radiosurgery for Brain Metastasis (Johnathan Engh)
9:30-9:50 am LITT for Brain Tumors (Gene Barnett)
9:50-10:10 am **Break (20 minutes)**
10:10-10:30 am Multi-Session Radiosurgery (Josh Yamada)
10:30-10:50 am LITT for Functional Disorders (R. Mark Richardson)
10:50-11:10 am Evidence Based Radiosurgery (Michael Schulder)
11:10-11:30 am Neuroimaging for radiosurgery (Brian Kavanagh)

11:30 am-12:30 pm **Lunch**

PM Session

Corporate Sponsors Demonstrations

12:30-12:50 pm Brainlab
12:50-1:10 pm Elekta
1:10-1:30 pm Varian
1:30-1:45 pm Medtronic
1:45-2:00 pm Monteris
2:00-2:15 pm Accuray
2:15-2:35 pm **Break (20 minutes)**
Technologies and Planning systems by: Brainlab, Elekta, Varian, Accuray, Monteris, and Medtronic
(Hands-on planning sessions with each resident)

4:30 pm Adjourn

Saturday Night Social Event with Residents, Faculty and Corporate Representatives – TBD

Sunday – June 11, 2017 (UPMC Presbyterian Shadyside Hospital - Scaife Conference Center – 11th Floor)

6:30-7:00 am **Breakfast (30 minutes)**

Spinal Radiosurgery Session
(15 minute talks; 5 minutes questions/discussion)

7:00-7:20 am Spinal Radiosurgery: Overview (Peter Gerszten)
7:20-7:40 am Stereotactic Radiosurgery: Technical considerations, indications, and limitations (Sam Chao)
7:40-8:00 am Neurosurgery and radiation oncology partnership in development of a spinal radiosurgery program (John Flickinger)

8:00-8:10 am **Break (10 minutes)**

8:10-8:30 am Spinal Radiosurgery for Paraspinal/Spinal Metastases (Mark Bilsky)
8:50-9:10 am Spinal Radiosurgery for Arteriovenous Malformations and Schwannomas (Steven Chang)
9:10-9:30 am Quality of Life in Radiosurgery Patients (Lilyana Angelov)

9:30-11:00 am Hands-on Planning for Spinal SRS – Technologies & Planning Systems (faculty to assist)

Technologies and Planning systems by: Brainlab, Elekta, Varian, Accuray, Monteris, and Medtronic
(Hands-on planning sessions with each resident)

11:00 am Wrap-Up; Evaluations; Adjourn
(Auditorium) **Boxed lunches**

11:10 am Bus transport back to Pittsburgh Airport

01.20.17
Subject to change