



**American Association of Physicists in Medicine
Midwest Chapter**

AAPM MIDWEST CHAPTER SPRING MEETING

Saturday, April 17, 2010

Lutheran General Hospital

1775 W Dempster, Park Ridge, Illinois

Schedule of Events

8:00 Registration and Coffee

8:30 Welcome and Announcements, Neil Worlikar

Young Investigator's Symposium

Moderator: Chet Reft, PhD

8:45 PET/CT Guided Dose Redistribution for HDR Interstitial Brachytherapy of Cervical Cancer,
Rui Yao, A. Templetonj, J. Chu, Y. Liao, J. Turian, B. Gielda, T. Zusag,
Rush University Medical Center, Chicago, Illinois

9:15 Monte Carlo Simulation of Dose Enhancement in Tumors Using Gold Nanoparticles
Matthew Quinn, PhD, Mingcheng Gao, PhD, Kevin Albuquerque, MD, and John C. Roeske, PhD
Loyola University Medical Center, Maywood, Illinois

9:45 Small SRS Cone: Dosimetric Parameters and their Uncertainties
Gocha Khelashvili Ph.D., Julius Turian, PhD and James Chu, PhD
Rush University Medical Center, Chicago, Illinois

**10:15 MLC Leaf Size Effects on Single and Multiple Lesion Radiosurgery Treatment Plan Conformality
and Normal Brain Dose as Evaluated by Equivalent Uniform Dose (EUD)**
Murat Surucu
University of Chicago

10:45 Coffee Break

Scientific Session

Moderator: Alex Markovic, PhD

11:15 Implementation and Experience of SBRT on Elekta Axesse
Jade Guozeng Lou, Mahesh Gopalakrishnan, Yunkai Zhang, Jane Zhuang Kang and Vythialingam Sathiaselan
Northwestern Memorial Hospital

**11:45 Impact of News Articles on CT Dose Reduction at Garden Variety Hospitals
and How To Cope with Them**
Guru Prasad
Northshore University Hospital

12:05 Simplified Alternate Technique for Measuring Digital Mammo Machine Collimation Uday Rao, Northshore
Uday Rao
Northshore University Hospital

12:25 Lunch and Tour of Radiation Oncology Facility

Invited Presentation

Moderator: Plato C. Lee, PhD

1:25 Toward Minimum Practice Standards in Clinical Medical Physics:
Responses to an increasing focus on reducing medical errors and validating professional competence
Per H Halvorsen

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Alliance Imaging Oncology

2:25 Business Meeting, Alex Markovic, PhD, President

3:25 AAPM Midwest Chapter Board Meeting

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