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 Guozen Lou, Mahesh Gopalakrishnan, Yunkai Zhang, Jane Zhuang Kang and Vythialingam Sathiaseelan
            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 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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