AAPM MIDWEST CHAPTER SPRING MEETING
Saturday April 27, 2013
Central DuPage Hospital
Winfield, IL 60190
We have applied for 5.25 MPCECs from CAMPEP

8:00  Registration and Coffee
8:30  Welcome and Announcements
     Mark Pankuch, PhD

     Invited Presentation
     Moderator: John C. Roeske, PhD

8:45  Comparison of Intensity and Energy Modulated Proton Therapy (IMPT) with State-of-Art Photon IMRT
     Lei Dong, PhD, Director, Chief of Medical Physics, Scripps Proton Therapy Center, San Diego, CA

9:45  Coffee Break

     Young Investigator’s Symposium
     Moderator: Chet Reft, PhD

10:00 A Feasibility Study on Incorporating kV Dose Considerations into the Treatment Planning Stage for IGRT of the Lung
     Zachary Grelewicz, Graduate Student, The University of Chicago

10:15 Early Detection of Radiation Exposure Skin Reactions by Changes in Thermal Effusivity
     Nrusigh Biswal, PhD, Resident, Rush University Medical Center

10:30 Registration with and without the Cranium when using the ExacTrac System for Frameless Intracranial SRS
     Bradley McCabe, PhD, Resident, The University of Chicago

10:45 PET Image-Guided Dose Escalation Study for Cervical Cancer Patients Receiving HDR Brachytherapy
     James Anderson, PhD, Resident, Rush University Medical Center

11:00 Monte Carlo-Based Radiation Treatment Planning in Lung Cancer Patients
     Chris Kabot, Graduate Student, Loyola University Medical Center and DePaul University

11:15 Blood Perfusion of the Skin as an Indicator of Radiation-Induced Skin Reaction
     Naser Darwish, PhD, Post-Doctoral Fellow, Rush University Medical Center

11:30 Elekta Agility Commissioning and Modeling at Northwestern Memorial Hospital (NMH)
     Daniel Cutright, PhD, Resident, Northwestern University

11:45 Dependence of Texture Feature Value Changes on the Severity of Acute Radiation Damage
     Alexandra Cunliffe, Graduate Student, The University of Chicago

12:00 Business Meeting
     Plato Lee, PhD – President

12:15 Lunch
History Session
Moderator: John C. Roeske, PhD

1:15  Medical Physics before the Millenium: A Personal Experience at the University of Chicago
Franca T. Kuchnir, PhD, Associate Professor Emeritus, The University of Chicago

Scientific Session
Moderator: Plato C. Lee, PhD

2:15  Intensity Modulated Proton Therapy (IMPT): Initial Experience
Mingcheng Gao, PhD, Physicist, CDH Procure Proton Center

2:45  Changes and Updates in CAMPEP Accredited Residency Programs
Chester Reft, PhD, Associate Professor, The University of Chicago

3:15  A Multi-Institutional Review of SBRT Planning Goals within the Midwest Chapter
Murat Surucu, PhD, Assistant Professor, Loyola University Medical Center

3:45  Tour of proton center

4:15  Board meeting

Meeting Support

The following vendors have generously provided financial support for this meeting:

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