Monday 24, November, 2008

Refresher Course 1

8:00~8:50AM	Room: Lecture Hall

Moderator: Hongzhi Zhang

Comprehensive IMRT QA - methods, error source and action level

Jie Shi

Open Ceremony

9:00~9:30AM	Room: Lecture Hall

Moderator: Yimin Hu, C-M Charlie Ma

Welcome address on behalf of CSMP

Yimin Hu

Welcome address on behalf of NACMPA

C-M Charlie Ma

Greetings from Endorsed Societies

Representatives

Plenary Session 1

9:30~10:30AM	Room: Lecture Hall

Moderator: Yimin Hu, C-M Charlie Ma

Advances in computed tomography (CT)

Chris C Shaw

Developments in respiratory motion management of radiotherapy imaging

Gig S Mageras

10:30~11:00   Refreshment Break

Therapy Session 1: Image-guided radiotherapy

11:00~12:30AM	Room: Lecture Hall

Moderator: Jack Yang, Xiaowu Deng

Onboard DTS technical feasibility and clinical potential

Fang-Fang Yin

Cone Beam Image Guided Treatment Localization: Beaumont Experience

Di Yan

Stereotactic Hypofractionated IGRT: MSKCC Experience

Maria F. Chan

Imaging Session 1

11:00~12:30AM   Room: Multi-Functional Hall

Moderator: Jihong Wang, Xuejun Qiu

Standardization of Exposure Indicator for Digital Radiography Systems

Jihong Wang

脑白质神经纤维束成像对弥漫性轴索损伤的诊断评估

秦斌杰

Wavelet domain iterative bilateral filtering for low-dose CT denoising

Hongbin Lu

12:30~2:00PM   Lunch

Therapy Session 2: Advanced RT and novel modalities

2:00~3:30PM   Room: Lecture Hall

Moderator: Raymond Wu, Linghong Zhou

Clinical Dosimetry Analysis and Comparison of Two Radiosurgery Systems

Jack Yang

Dosimetry of Craniospinal Axis (CSA) Irradiation: A Comparison of Conventional and Helical TomoTherapy Hi-Art Based Treatment Plans

Nathan Schneider

Leaf position QA of dynamic multi-leaf collimator for dynamic Arc radiotherapy

Joe, Ho

Impact of Dose Rate on the Interplay Effect in Mobile Structures using indigenously developed Dynamic Phantom in Dynamic IMRT

Raghevndiran Boopathy

A Bench-top MVCT scanner

Deluan Tu

Selective Radiation Dose Enhancements with Gold Nanoparticles: A Monte Carlo Simulation with Nanoparticle Geometry

Sean Zhang

Potential Dosimetric Benefits of Modulated Electron Radiation Therapy

Lihui Jin

Evaluation of standard edge-detection algorithms versus chamfer algorithm for CT-CT image matching

Shahabedin Nabavi

A laser-proton/ion accelerator for radiation oncology

C-M Charlie Ma

Imaging Session 2	
2:00~3:30PM	Room: Multi-Functional Hall

Moderator: Jihong Wang, Chris C. Shaw

基于平板探测器的锥形束 CT 中散射问题的 Monte Carlo 模拟

邢烨炳

4D CT image prediction using contour and projection images

YaoqinXie

Analytical Optimization of the Single Pinhole Collimator

Jun Li

A New Approach for Image Reconstruction Based on ART

Lin-yuan Wang

Research on estimating mechanical parameters for cone-beam computed tomography

Lei Li

Research and realization of the parallel processing of Geant4 in Monte Carlo particle transport

Rui-kai Dai

Experimental verification of PET imaging by photonuclear reactions for High energy X-ray in radiation therapy

Quanshi Zhang

Initial Investigation of Respiratory Motion Correction Utilizing Geometric Sensitivity in 3D PET: A Simulation Study

Jianfeng He

The simulation of centroid guided maximum likelihood positioning algorithm

Baiyin Cai

3:30~4:00PM   Refreshment Break

Symposium On Education & Training	
4:00~5:30PM	Room: Lecture Hall

Moderator: Almon Shiu, KY Cheung
Role of Medical Physicists and Independent Board of Certification

Web-based med phys training	*Raymond K. Wu*
Establish a residency program	*Arthur Boyer*
Panel Discussion	*Todd Pawlicki*
	All speakers

<div align="center">

Congress Banquet

Location

</div>

6:00~8:00PM   **Hui Yang Village of Best Western Premier Beijing Hotel**