

**Tuesday 25, November, 2008**

**Refresher Course 2:**

8:00~8:50AM

Room: Lecture Hall

Moderator: Jiangrong Dai

Monte Carlo Dose Calculation for Advanced Radiotherapy Treatments

*C-M Charlie Ma*

**Plenary Session 2**

9:00~10:30AM

Room: Lecture Hall

Moderator: Shanglian Bo, Arthur Boyer

Image Registration and Data Fusion in Radiation Therapy

*Marc Kessler*

Advanced QA techniques

*Todd Pawlicki*

Planning and Delivery of IMRT from fixed beams to rotational delivery

*Cedric Yu*

**10:30~11:00AM Refreshment Break**

**Therapy Session 3: Advanced beam modalities**

11:00~12:30AM

Room: Lecture Hall

Moderator: Di Yan, Sen Bai

Robotic Interventions

*Yan Yu*

Physics and Clinical Applications of Proton Therapy

*Zuofeng Li*

Progresses and perspectives of heavy-ion cancer therapy at IMP

*Guoqing Xiao*

### Imaging Session 3

11:00~12:30AM

Room: Multi-Functional Hall

Moderator: Shanglian Bo, Jingfei Ma

MR QA/QC: M.D. Anderson Experience

*Jingfei Ma*

Quality Control Program Of Real Time Medical Ultrasound Machines In Sudan

*Fathi A Taha*

The design study on high-performance gradient amplifier for MRI

*Xueming Cao*

用药代动力学方法评估乳腺癌的化疗效果

*Yanming Yu*

Two-point Dixon Water Fat Separation Using a New Phase Unwrapping Method

*Kun Zhou*

**12:30~2:00PM Lunch**

### Symposium on SBRT Techniques

2:00~3:30PM

Room: Lecture Hall

Moderator: Gig Mageras, Fang-Fang Yin

Stereotactic Body Radiotherapy (SBRT): MDACC Experience

*Almon Shiu*

SRS/SBRT in Cooper University Hospital

*Yunping Zhu*

Image-guided Stereotactic Body Radiotherapy for Lung Cancer Treatment  
– Fox Chase Cancer Center Experience

*Lu Wang*

On-Board Imaging Guided Stereotactic Body Radiation Therapy

*Zhiheng Wang*

Panel Discussion

### Imaging Session 4

2:00~3:30PM

Room: Multi-Functional Hall

Moderator: Shanglian Bo

Medical imaging physics and molecular imaging

*Furong Wang*

Molecular Imaging Technology Development with microSPECT/CT

*Yujin Qi*

**3:30~4:00PM Refreshment Break**

**Therapy Session 4: Scientific Presentations**

4:00~5:30PM

Room: Lecture Hall

Moderator: Marc Kessler, Cedric Yu

Linear Accelerator Quality Control Using Clinical Treatment Delivery: A Feasibility Study

*Charles Able*

Quality Control Program Of Real Time Medical Ultrasound Machines In Sudan

*Fathi Awad Taha*

Towards automated IMRT QA

*H. Harold Li*

A Cost-effective Data Management System in Radiotherapy

*Gui-shan Fu*

Development of the gamma function algorithm as a three-dimensional dose distribution algorithm

*Mohammad Mohammadi*

Maximization of marker visibility in leaf sequencing for static intensity-modulated radiation therapy

*Bo Zhao*

Therapy with Radioactive Ion Beams

*Qiang Li*

Carcinoma Of Cervix In The Women Of Bangladesh And Its Dosimetry In The Case Of Hrd Brachytherapy

*Anisur Rahaman Molla*

Helical Tomotherapy Quality Assurance, where we are and where we go?

*Chengyu Shi*

---

**Therapy Session 5: Scientific Presentations**

4:00~5:30PM

Room: Multi-Functional Hall

Moderator: Yan Yu, Zuofeng Li

Image-guided adaptive radiotherapy of prostate cancer based on a CT-on-rails system: a feasibility study

*Qianyi Xu*

Evaluation of Absorbed dose in 3D Conventional and Conformal treatments using Cobalt-60 Unit & Linac for Prostate Cancer

*M. Allahverdi*

Novel Process-less Dosimetry Films for Radiation Therapy

*Shelley Shih*

Optimization of reproducible preparing method for ferrous sulfate dosimeter gels, for 3-D radiation dose measurements using MRI, with enhanced sensitivity

*Muhammad Afzal*

Automated contour generation using deformable registration for 4D radiation therapy

*Liu Bo*

Research On The Application Of Correlation Analysis Theory In Intensity Modulated Radiotherapy Plan Optimization

*Xiadong Lee*

The extraction of true profiles for TPS commissioning and its impact on IMRT patient-specific QA

*Jonathan Li*

Radiation survey of radiation emanating equipment at different hospitals in Kathmandu, Nepal

*Kanchan Adhikari*

Intrafractional Motion of the Pancreas in CyberKnife Radiotherapy

*Yao-Qin Xie*

---

### **Buffet Dinner**

5:30~7:30PM

**Location: KingWing Hotel**