

Medical Physics Journal Club

Fall Semester – 2010



THE UNIVERSITY OF TOLEDO
MEDICAL CENTER

Time: Mondays at 4:00 p.m. ; Room# 0110

**Place: The University of Toledo Health Science Campus,
Radiation Oncology Conference Room, Basement, Dowling Hall,**

Date	Speaker	Topic
8/30/10	Student Attendees to AAPM 2010 Annual Meeting	Assessment and take from the meeting; experiences, exciting ideas, good papers/posters, equipment & what you learned at the showroom
9/6/10	No Seminar	Labor Day Weekend
9/14/10 (Tuesday)	Jordyn Detwiler	Dosimetric Comparison of Three Multi-Lumen Brachytherapy Applicators with the Original MammoSite® Balloon Used in Partial Breast Irradiation (PBI)
9/20/10	Charles Rhodes	Gamma Knife Radiosurgery: Introducing Perfexion
9/27/10	Diana Shvydka, Ph.D.	PDT vs. Brachytherapy, Electron Therapy, and Low Energy X-Ray for Treatment Of Skin Cancer
10/4/10	Todd White	Laser Accelerated Proton Machines Used for Treatment of Cancer
10/11/10	No Seminar	Fall Break
10/18/10	Walter Edinger, Ph.D. Associate Professor of Medical Ethics, UTM	Refresher course on “ Scientific Misconduct” (All grad students and faculty required to attend)
10/25/10	Bhoj Gautam Ph.D. Candidate	Radiation and Thermal Characteristics of the Ferromagnetic Core Thermobrachytherapy Seed
11/1/10	Nava Paudel Ph.D. Candidate	Beam Energy Considerations for Gold Nano-Particle Enhanced Radiation Treatment
11/8/10	Brian Bismack (Defense)	Implementation of the Dosimetry Check Software Package in Computing Patient Exit Dose in Three-dimensional Space Through Generation of a Deconvolution Kernel to be Used for Patients’ IMRT Treatment Plan QA
11/15/10	Stephanie Horne	Tomotherapy, Utilizing Intensity Modulation Arc Therapy (IMAT) and Image Guided Radiation Therapy (IGRT)
11/22/10	Xiance Jin, Ph.D. Candidate	Monte Carlo Simulation Treatment Planning System
11/29/10	David Pearson, Ph.D.	Stereotactic Radiosurgery
12/6/10	Justin Sherman	Quality Assurance of Stereotactic Radiosurgery
12/13/10	Gregory Warrell, Ph.D. Candidate	Application of Bragg Peak Flattening Filter for Dose Delivery Utilizing Energy Stacking