

# Medical Physics Journal Club

Fall Semester – 2014



THE UNIVERSITY OF TOLEDO  
MEDICAL CENTER

**Time: Mondays from 4:00 – 5:00 p.m.**

**Place: The University of Toledo Health Science Campus,  
Radiation Oncology Conference Room, Basement of Ruppert Building,  
Room# 0005**

Date	Speaker	Topic
8-25	No Seminar	Planning Day
9-1	Labor day	Holiday
9-8	Gregory Warrell Ph.D. Candidate	Radiofrequency Ablation
9-15	Sean Tanny Ph.D. Candidate	Pitfalls and Challenges in Small Field Dosimetry
9-22	Vincent Ulizio MSBS Candidate	Uncertainties and Errors in SRS and a Comparison of IMRT to VMAT
9-29	Kerry Krugh, Ph.D. Assist Prof. & Diag Med Physicist	CT Radiation Dose
10-6	Mr. Hector Ruiz de Vinaspre Senior Sales Director - ViewRay	Introduction to ViewRay's MRIdian System- how the integration of RT delivery and on board MRI is bringing new possibilities to radiation oncology
10-13	Fall Break	No seminar
10-20	Ana Bejarano-Buele MSBS Candidate	Applications of Radiopharmaceuticals in Radiation Oncology: a Technical and Clinical perspective"
10-27	Mark Siebert MSBS Candidate	Performance Evaluation of Calypso® 4D Localization System.
11-3	Nathan Macey MSBS Candidate	Implementation of the MapCHECK2 Diode Array for High Dose Rate Brachytherapy Quality Assurance in Confirmation of Measured Dose and Dwell Positions.
11-10	Damien Mathew MSBS Candidate	Application of Monte Carlo Simulation for Determining Source Parameters for Small Volume Detectors such as the Edge diode and the Scintillator
11-17	Hanoof Alkhurayji MSBS Candidate	Dosimetric Comparison of Stereotactic Radiosurgery Delivery, Gamma Knife vs. Cyber Knife
11-24	Fatima Alsharif MSBS Candidate	Comparison of the Dosimetric Effects of the MLC Leaf Width for Edge and True Beam Platforms
12-1	E. Ishmael Parsai, Ph.D. Prof. and Director of Med Phys	The Code of Ethics and Professionalism for Medical Physicist as Stated by the AAPM,
12-8	No Seminar	Week of Final Exams - No seminar