



Ohio River Valley Chapter

Spring Educational Symposium Agenda

Saturday, March 7th, 2009

7:30 am to 8:00 am	Vendor Setup
8:00 am to 8:50 am	Check-In Continental Breakfast
8:50 am to 9:00 am	Welcome and Introduction Matthew A. Meineke, Ph.D. President, Ohio River Valley Chapter Hardin Memorial Hospital
9:00 am to 10:15 am	Keynote Address: Challenges and Opportunities in Medical Imaging William R. Hendee, Ph.D. Medical College of Wisconsin
10:15 am to 10:30 am	An optimized Protocol for using Small Field MV Cone-Beam CT Imaging in Image-Guided Radiotherapy (IGRT) Guy Yembi-Goma, MS Ohio State University
10:30 am to 10:45 am	Outcome Prediction of Cervical Cancer: Kinetic Model of Tumor Regression during Radiation Therapy Zhibin Huang, Ph.D Ohio State University
10:45 am to 11:00 am	A Dosimetric Analysis of IMRT Used to Replace and Mimic HDR Brachytherapy in the Treatment of Gynecologic Malignancy Jared Weatherford University Of Cincinnati
11:00 am to 11:15 am	Coffee Break
11:15 am to 11:30 am	Monte Carlo simulation of electronic disequilibrium in small lung nodules Eric Lobb University of Kentucky
11:30 am to 11:45 am	Near Source Dosimetry of HDR Base of Tongue Treatments Using TPS & GafChromic HD-810 Film Marcus Luckstead University of Cincinnati
11:45 am to 12:00 pm	To Reduce Hot Dose Spots in Cranial-Spinal Irradiation: A Two-Field IMRT Approach with Matching Beam Divergence Alburuj R. Rahman Ohio State University
12:00 pm to 1:00 pm	Lunch Break Boxed lunches provided
1:00 pm to 1:15 pm	Impact of Fraction Dose in Hypo-Fractionated Megavoltage Grid Therapy for Melanoma Jessica Traeger Ohio State University
1:15 pm to 1:30 pm	Study of Enhanced Absorption of X-rays by Nanoparticles in Cancer Treatment Maximiliano Montenegro, Ph.D. Ohio State University



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1:30 pm to 1:45 pm	The α/β Ratio: Dose-range Dependent or Model Limitation? Cancan Zhang Ohio State University
1:45 pm to 2:00 pm	Comparison of Electron Dose Distribution in Film with Treatment Planning Software Calculations Kevin D. Shay University of Cincinnati
2:00 pm to 2:15 pm	Break
2:15 pm to 2:30 pm	Properties and Clinical Usefulness of Normoxic Methacrylic-acid Based Gel Dosimeters Benjamin Cooper University of Cincinnati
2:30 pm to 2:45 pm	A Novel ^{31}P Magnetic Resonance Spectroscopy Coil for Noninvasive Monitoring of the Response of Hepatocellular Carcinoma to Radiotherapy Anshuman Panda Purdue University
2:45 pm to 3:00 pm	Evaluation of the Positioning Accuracy in Helical Tomotherapy for Intracranial Radiosurgery Nathan Papalia University of Cincinnati
3:00 pm to 3:15 pm	Site-Specific Volumetric Analysis of Lung Cancer Tumor Motion Eric Pepin Purdue University
3:15 pm to 3:30 pm	Tumor Perfusion Pattern and its Temporal Change during Radiation Therapy for Cervical Cancer Dongqing Zhang, PhD Ohio State University
3:30 pm to 3:45 pm	Break
3:45 pm to 4:15 pm	Award Presentation and Business Meeting

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