Radiology Research Day 2010
8:00 am March 25, 2010
Hamilton Golf and Country Club
Speakers in order of appearance

The Effect of Irreversible Compressions Upon Thin-Slice CT Images: An Evaluation
D. Koff, P. Back, A. Matos, G. Norman, M. Colapinto, L. Ribeiro

Multispectral Bioluminescence Tomography: Simulations and Phantom Studies with a Priori X-ray CT Spatial Priors
Julius Pekar and Michael S. Patterson

Selective Enhancement of Pulmonary Arteries for Detection of Pulmonary Emboli at 64 Slice MDCT Angiography
Kavita P. Dhamanaskar, Kimberly S. Figueira, Susan C. Jerome, Brian L. Yemen

Is There an Abdominal Girth Size above Which Unenhanced CT Scanning is Adequate in Diagnosing Acute Appendicitis?
Kelly Ainsworth, Pavel Zvonarev, Ehsan Haider, Thomas J. Farrell

Prostate Cancer: Relationship between Post-biopsy Haemorrhage on Magnetic Resonance Imaging and Tumour Detectability with Pathology Correlation
Karmdeep S. Gurum, Gabriela Gohia, Bobby Shayegan, Mike Noseworthy, Colm Boylan

Simulations of Photodynamic Therapy of Human Skin for Dosimetry Development
Baochang Liu, Thomas J. Farrell, Michaels S. Patterson

Can MRI Predict the Progression of Osteochondral Lesion in the Pediatric Knee?

Monte Carlo Simulation of Spatially Resolved Steady-State Diffuse Reflectance in Intraluminal Geometry
Marc E. Vallée, Thomas J. Farrell, Michael S. Patterson

Sonography of the Lateral Ulnar Collateral Ligament of the Elbow: Study of Cadavers and Healthy Volunteers
Brian Stewart, Srinivasan Harish, Terry Popowich, Glen Oomen, Bruce Wainman, Jaydeep Moro

Spinal Cord Structural changes in Chemotherapy Induced Peripheral Neuropathy (CIPN) as Measured Using Diffusion Tensor Imaging (DTI)
Oi Let Wong, Raimond Wong, Michael D. Noseworthy

Application of Nonlinear Dynamics in the Evaluation of Liver Microvasculature
Alyaa Eltzibak, Michael D. Noseworthy

Increasing the Detection Rate of Fetal Cardiac Defects During Routine Obstetrical Screening Using the Start Technique
Ted Scott, Judy Jones, Herschel Rosenberg, Andrea Thomson
Awareness of Interventional Radiology Procedures and Clinical Duties among Family Physicians in Canada
Philip S. Mok, Eva Y. Tan, Mark O. Baerlocher, Srijashna Athreya

The Utility of Multidetector CT for Detection of Parathyroid Disease in the Setting Of Primary Hyperparathyroidism
Dorota D. Linda, Bernard Ng, Ryan Rebello, Srinivasan Harish, George Ioannidis, J. E. M. Young

Development of an MR-compatible Gamma Camera
Ashley Tao, Troy Farncombe

Trends in Resident Reporting of MRI, CT, and Radiographs over a 10 Year Period at McMaster University
Nick Plaksos

Free Breathing Renal BOLD Signal Frequency Assessment Following Diuresis
Brendan Boyd, Michael D. Noseworthy

To Describe our Experience of the Magnetic Resonance Imaging Appearances Post Hindquarter Amputation Focusing on the Normal Pattern of Time-Related Signal Changes Within the Amputation flap andAppearances of Local Disease Recurrence.
Nick Kotnis

VP Shunt complication: Imaging Findings
Yongdong Wang

Efficacy of High Resolution Computed Tomography for Detections of Early Healing in Scaphoid Fractures
H. M. Choudur, M. Dilanni, K. Guram, S Zarinehbaft, N. Parasu

Use of Integrating spheres to Improve skin PDT Treatment and Dosimetry
Diana L. Glennie, Thomas J. Farrell, Joseph E. Hayward, Michael S. Patterson

Visceral Adiposity at Diagnosis as a Predictor of Tumour Size and Metastatic Progression in Renal Cell Carcinoma
A. Shuster, M. Patlas, S. A. Hiltz, A. Kapoor, J. H. Pinthus

Comparison of EPI and Two Shot Spiral in/out for Muscle BOLD Imaging During Exercise
A.D. Davis, B. Falk, M.D. Noseworthy

Brain Blood Oxygen Level Dependent (BOLD) Fractal Dimensional Analysis Before and After Ethanol Consumption
Alexander Weber, Peter Sheffield, Michael D. Noseworthy

Investigating the Use of Dynamic Optical Breast Imaging in Breast Cancer Detection
Kyle Wilson, Faten Al-Douri, Terry Minuk, Kavita Dhamanaskar, Gerald R. Moran

Identifying Breast Calcification by Using Susceptibility Weighted Imaging: Optimizing Parameters for Detection of Calcifications at 3T
All Fatemi-Ardakani, Colm Boylan, Michael D. Noseworthy