Radiology Research Day 2011
8:00 Am April 6, 2011
Hamilton Golf and Country Club

Schedule of Events:

08:00-08:30    Welcome reception
08:30-08:45    David Koff: Introductory address
08:45-10:00    Oral presentations

Altered Functional Connectivity in Children with Obsessive-Compulsive Disorder
A. M. Weber, N. Soreni, and M. D. Noseworthy

2D/3D Registration for Lung Brachytherapy
Pavel Zvonarev, Thomas Farrell, Robert Hunter, Joseph Hayward, Marcin Wierzbicki and Ranjan Sur

Juvenile Osteochondritis Dissecans of the Knee: How to Predict the Progression of Osteochondral Lesion
Nilda S. Syed, Mathew Kuruvilla, Hournaz Ghandehari, Nasser O. Algowizai, Paul Missiune, Devin Peterson, Wayne B. Patola, and Zeev V. Maizlin, MD

Monte Carlo-based Multi-Energy SPECT Image Reconstruction
Muhammad Irfan Karamat, Troy Famcombe

Cost-utility analysis of management strategies for non-surgical patients with a small renal mass with or without biopsy: radiofrequency ablation, cryoablation, active surveillance.
Sasha N. Bhan, Stephen E. Pautler, Bobby Shayegan, Maurice D. Voss, Ron A. Goeree, John J. You

10:00-10:30    Break
10:30-11:20    Oral presentations

Alterations in Resting State BOLD MRI Fractal Dimension after Deep Tissue Swedish Massage
Jones GE, Wong R, Shipwright S, Dryden T, Wardlaw G and Noseworthy M.

Ashish Patel, Sriharsha Athreya, Maurice Voss

Correlation between MR imaging and surgical findings in anterior talofibular tears and associated calcaneofibular ligament tears.
Vajid Khan, Pawel Stefanski, Mary Lou Schmuck anc Dr. Hema Choudur

Design of a Dual Modality, Compact Fibre Optic Probe for Use in Optical Biopsy
Derek J Cappon, Zhaojun Nie, Joseph E Hayward, Thomas J Farrell, Michael S Patterson John Provias, Naresh Murty, William McMillan, Qiyn Fang
11:30-12:15    Lecture by visiting Professor Dr Andrea Lum
12:15-1:30    Lunch and Poster Session

Design and Construction of a $^{23}$Na Radiofrequency (RF) Birdcage Coil for Muscle MRI
Alireza Akbari, Michael D. Noseworthy

Evaluating Healthy and Damaged Muscle Using Nonlinear Dynamics
Alyaa Elzibak, Naomi Cermak, Martin Gibala, Michael Noseworthy

Preliminary Study of BOLD-MRI of Prostate Cancer using Principal Component Analysis
A. Jeganthesan, M.D. Noseworthy, C. Boylan, B. Shayegan, J.F. MacGregor

Preliminary examination of caffeine effects on exercise in the human calf muscle using diffusion tensor imaging (DTI)
Conrad Rockel, Andrew Davis, Michael D. Noseworthy

Spiral Vs Cartesian EPI Acquisition of BOLD fMRI for Fractal Dimension Mapping
M. A. Warsi, A. D. Davis, and M. D. Noseworthy

Precision of Liver Diffusion Tensor Imaging (DTI)
Ol Lej Wong and Michael D. Noseworthy

1:30- 3:00    Oral Presentations

Evaluation of Silicon Photomultipliers (SiPMs) for use in SPECT Imaging
Ashley Tao, Troy Farncombe

Descriptive analysis of the inpatient population referred for CTPA at a large academic medical center.
Wasielewsky L, Patlas M, Jackson T, Schulman S

The Association Between Rectus Femoris Avulsion Injuries and Labral Tears: a Retrospective Study
Clary J. Foote, Zeev V. Maizlin, Jason Shroeder, Mary M. Grant, Ashaesh Bedi, Olufemi Ayeni

MRI Artifacts due to Ingestion of Iron Supplements
J. Stoneburgh, A. Fatemi-Ardekani, B. Smith, and M. D. Noseworthy

Experimental evaluation of bone drilling using short-pulsed laser ablation
Brent Emigh, Eugene Hsu, Ran An, Harold Haugen, Joseph E. Hayward, Gregory Wohl, Brett Dunlop, David Williams, Mehran Arvari, Qiyin Fang

Neural axis abnormalities in children and adolescents with spinal deformities: analysis of prevalence and MR screening.
Dmitriy Golev

3:00-3:30    Break

3:30-4:00    Presentation of awards to best presentations.