

NAME	ADVISOR	RESEARCH TITLE	DEGREE	YEAR
Sean Boyer	Duric	Using Breast Density as an Indicator of Side Effects and Change Induced by Tamoxifen and Radiation Treatment for Ductal Carcinoma In Situ	MS	2011
Jiajian Shen	Duric	A Study of Using Convolution to Correct Tumor Motion Effect When Treating Pancreatic Cancer with IMRT	MS	2011
Kai Yang	Tyagi / Yan	Sensitivity Analysis of Smartarc Algorithm for VMAT Planning, Delivery, and QA	MS	2011
Mark Tucker	Rakowski	Dosimetry of Low-Energy Characteristic X-rays	MS	2011
Aizhen Zhang	Chetty	Comprehensive Evaluation and Clinical Implementation of Commercially Available Monte Carlo Dose Calculation Algorithm	MS	2010
Nathan Whitmore	Burmeister / Nalichowski	Observances in Delivery Quality Assurance for Tomotherapy	MS	2010
Chris Devick	Nalichowski / Burmeister	The Clinical Implementation of Planned Adaptive for Helical Tomotherapy	MS	2010
Kenneth Barton	Brown	Non-Invasive Semi-Quantitative Imaging of Adenovirus-Mediated Gene Expression	MS	2010
Ning Wen	Nurushev	Adaptive Radiotherapy of Prostate Cancer	PhD	2010
Bo Zhao	Burmeister	Beyond the DVH – Spatial and Biological Radiotherapy Treatment Planning	PhD	2010
Robert Halford	Nalichowski	Clinical Implementation of Beam Angle Optimization Using the Eclipse Treatment Planning System	MS	2010
Jatinder Saini	Rakowski	Phantom Dose Study Comparing KVCT and MVCT-Based Helical Tomotherapy of the Prostate in the Presence of Bilateral Hip Prostheses	MS	2010
Cory Knill	Burmeister / Liu	A Novel Technique for Correcting Interleaf Edge Modeling Errors	MS	2010
Michael Snyder	Burmeister / Joiner	Dose Escalation in Prostate Cancer Using Intensity Modulated Neutron Radiotherapy	MS	2010
Karen Chin	Rakowski	The Effects of Neurosurgical Titanium Mesh on Radiation Dose in the Gamma Knife	MS	2010
Yu Lei	Wu	A Hybrid Strategy of Online and Offline Adaptive Treatment Planning for Prostate Cancer	MS	2009
Ellen Gopan	Glide	A Retrospective Study Evaluating Various Lung Volumes for Use in Radiotherapy Planning of Lung Cancer and Breathing Pattern Changes Throughout Lung Cancer Radiotherapy as Indicated by Tidal Volume	MS	2009
Olga Gopan	Wu	Evaluation of a 3D Surface Imaging System for Realignment of Patients with Head and Neck Cancer	MS	2009
Stacie Smith	Kim	Volumetric Modulated Arc Therapy Using Couch Rotation: An Accelerated Partial Breast Irradiation Planning Study	MS	2009
Justus Adamson	Wu	Prostate Intrafraction Motion Assessed by Simultaneous kV Fluoroscopy at MV Delivery	PhD	2009
Melissa Wilson	Nurushev	Surface Dose Measurements with a Cylindrical Chamber versus a Parallel Plate Chamber and the Impact on Treatment Planning	MS	2009
Will Estabrook	Rakowski	Dosimetric Properties of 8 keV Characteristic X-rays	MS	2009
Travis Schultz	Bharucha / Liu	A Dosimetric Comparison of Ring & Tandem Brachytherapy and Helical Tomotherapy for Treatment of Cervical Cancer	MS	2009
Bijoyananda	Haacke	Study Duration and Noise Sensitivity of Dynamic	MS	2009

Adhikary		Contrast Enhanced Modeling Parameters		
Santosh Kar	Brown	Mitigation and Treatment of Radiation-Induced Brain Injury Using Atorvastatin	MS	2009
Minghao Cai	Guan	Reconstruction of X-Ray (125kV) Spectra by Measuring the Transmission Data	MS	2008
Rana Al-Khayyat	Burmeister	Quantitative Evaluation of IMRT Delivery Accuracy	MS	2008
Janice Campbell	Wong / Muzik	Development of Dose Response to Y-90 Microsphere Treatment of Metastatic Liver Cancer by Quantitative Analysis of SPECT and PET Images	PhD	2008
Yingjian Yu	Zhang	Clinical Implementation of Image Guided Spine Stereotactic Radiosurgery	MS	2008
Bria Thompson	Hugo	Quality and Accuracy of Cone Beam Computed Tomography Gated by Active Breathing Control	MS	2008
Danielle Worthy	Wu	Parameter Optimization for Head and Neck IMRT	MS	2008
Hua Sui	Matuszak	Volumetric Arc Therapy (VMAT) Planning and Preliminary Delivery Verification	MS	2008
Cristina Palcu	Nurushev	A New Approach to Field Matching: Extending the Treatment Volume	MS	2008
Yang Xu	Duric	A Study of Three-Way Image Fusion for Characterizing Acoustic Properties of Breast Tissue	MS	2008
Sanath Kumar	Brown	A Novel Method of Boron Delivery Using Adenovirus Expressing Sodium Iodide Symporter for Boron Neutron Capture Therapy	MS	2008
Charles Dodge	Flynn	A Rapid Method for the Simulation of Filtered X-Ray Spectra in Diagnostic Imaging Systems	PhD	2008
Mark Smyczynski	King / Muzik	An Investigation of the Impact and Correction of Respiratory Motion on the Detection of Small Lung Lesions in SPECT Imaging	PhD	2008
Hazel Ramirez	Zhang	Radiation Treatment Machine Quality Assurance Using Electronic Portal Imaging Device	MS	2008
Paul Atkinson	Glide	Comparison of Dosimetric Inaccuracies Introduced by Intrafraction Respiratory Motion in IMRT and VMAT	MS	2008
Mubin Shaikh	Liu, Burmeister, Joiner	Biological Effect of Different IMRT Delivery Techniques: SMLC, DMLC, and Helical Tomotherapy	MS	2008
Taejin Hwang	Yudelev	Implementation of Dosimetric Parameters of Multi-Leaf Collimator for Fast Neutron Therapy into Treatment Planning System	MS	2007
Anthony Doemer	Hugo	The Feasibility of a Hybrid Active Breath-Hold / Gating Technique for Lung Radiotherapy	MS	2007
Yimei Huang	Burmeister / Joiner	The Effects of Dose Averaging on Tissue Response	MS	2007
Michael Huberts	Hugo	A Quality Assurance Protocol for Quick Daily Verification of Cone-Beam CT Isocenter Calibration	MS	2007
Derek Schulze	Zhang	An Evaluation of Online Image-Guided Prostate Radiotherapy Treatment Techniques	MS	2007
Mahalakshmi Srinivasan	Yudelev / Joiner / Burmeister	Dosimetry and Relative Biological Effectiveness (RBE) of a Low Energy (8-22 keV) X-Ray Beam Generated Using A Miniature Electronic Brachytherapy Device	MS	2007
Carri Glide	Duric	A Novel Approach to Evaluating Breast Density Utilizing Ultrasound Tomography	PhD	2007
Yun Wang	Yudelev / Burmeister	Image Guided Neutron Radiotherapy: A Six Degree Correction Method Using Implanted Fiducial Markers	MS	2007
Yixiang Liao	Burmeister / Joiner	Use of Biological Indices to Guide Radiotherapy Treatment Planning	MS	2007

Annica DeYoung	McDermott	Dose Verification for Lung Inhomogeneities in Corvus IMRT	MS	2007
Shalini Pandya	Burmeister	Effect of Fluence Smoothing on Plan Quality and Delivery Accuracy in Intensity Modulated Radiotherapy	MS	2007
Ryan Danley	Muzik	Acceptance Testing of a Positron Emission Tomography / Computed Tomography (PET/CT) Scanner	MS	2007
Simon Makar	Yudelev	Dosimetry of Soft Characteristic X-rays from Copper and Titanium Using Burlin Theory and Gafchromic™ EBT Film	MS	2007
Sally Sheim	Ewing	MRI Measure of Vascular Permeability in Brain Tumors in Response to Synergistic Interaction with Radiation and Antiangiogenesis Treatment	MS	2007
Khalid Alyousef	Yudelev	A Novel Approach to Mixed Field Dosimetry Utilizing Silicon Based P-I-N Diodes	PhD	2006
Lifeng Lin	Burmeister	MPACT (Multi-parameter Plan Analysis and Comparison Tool)	MS	2006
Richard Rogow	Bichay	A Dosimetric Characterization of a Compact Doorless High Energy Linac Vault	MS	2006
Jianxing(Jason) Gong	Burmeister	Super-IMPOSE (Intensity Map Pre-treatment OverSight and Evaluation): A Software Package for IMRT QA and its Clinical Application	MS	2006
Hang Dong	Guan	The Hounsfield Units Accuracy of Varian's On Board Cone-Beam CT (CBCT) and its Effect on Dosimetric Verification	MS	2006
Leonard Kim	Yan	Online Localization of the Lumpectomy Cavity Using Surgical Clips	MS	2006
Gang Yu	Chen	Refining Gamma Evaluation Using A Threshold Dose Concept In Pretreatment Quality Assurance for IMRT	MS	2006
Adam Evaritt	Burmeister	State of the Art in Image Guided Radiotherapy	MS	2006
Pinky Sharma	Burmeister	Leakage Characteristics of Two Common Multileaf Collimators and Their Implications for Intensity Modulated Radiotherapy	MS	2006
Fatima Ahmed	Alkhafaji	Comparison of Varian Golden Beam Data (GBD) versus Measured Data and Verification of AAA Algorithm For Photons Beam as Part of Commissioning a Clinac iX	MS	2006
Susan Tulpa	Johnson	Commissioning of a Tomotherapy Unit	MS	2006
Ning Wen	Guan / Nurushev	Dose Delivered from Daily CBCT to Patients Receiving RT for Prostate Cancer	MS	2006
Scott Symington	Burmeister / Joiner	Methods for Biological Plan Evaluation in Radiotherapy	MS	2006
Justus Adamson	Wu	Beam Hardening and Scatter Corrections for Cone Beam CT Reconstruction	MS	2006
Dilip Makin	Mobit	Clinical Implementation of Enhanced Dynamic Wedge	MS	2005
Ahmed Aly	Burmeister	Implementation of an Algorithm to Determine Electron Output and D_{max} Depth for Small Field Sizes and Large Air Gaps	MS	2005
Pushkar Desai	Burmeister / McDermott	MLC Quality Assurance for IMRT Delivery	MS	2005
Nagaraju Mogili	Burmeister / Joiner	Effects of IMRT Treatment Time Prolongation on Tumor Cell Survival	MS	2005
Qing Chen	Yin	The time delay for gated treatment from 4-D simulation to 4-D verification: a phantom study	MS	2005

Tamara Kouskoulas	Yudelev	Activation of Metallic Prostheses in Patients Undergoing Fast Neutron Therapy	MS	2005
Julius Okwu	Nurushev	Inhomogeneity corrections for megavoltage photon beams and effects on dose distributions for various tumor locations	MS	2005
Ryan Smith	Nurushev	Breathing-Phased Volume Information Extraction from Free-Breathing CT Scan	MS	2005
Bin Yao	Burmeister	Quantitative Verification of IMRT Intensity Maps Using an Amorphous Silicon Electronic Portal Imager	MS	2005
Joao Agapito	Richer	Calculation of Relative Output Factors and Depth of Dose Maximum for Small Electron Fields from a Siemens Primus Linear Accelerator	MS	2005
Robert Sieffert	Orton	A Patient Dose Verification Program Using Semiconductor Diodes	MS	2004
Iuliana Lazea	Yudelev	d(48.5)+Be Neutron Beam Dosimetry Using Gafchromic HS Film	MS	2004
Sarah Way (Alfano)	Burmeister / McDermott	Inverse-Planned IMRT for Breast Radiotherapy	MS	2004
Zhong Huang	Yin	Dosimetric Analysis of Inverse Planning for IMRT	MS	2004
Aime Gloi	Van den Heuvel	Uncertainties in Prostate Localization Using an Electronic Portal Imaging Device (EPID)	MS	2004
Aurelian Belecciu	Hugo	Verification Device for IMRT Commissioning	MS	2004
Nicole Alvarado	Burmeister	Minimization of Contralateral Breast Dose in Conventional and Intensity Modulated Breast Radiotherapy	MS	2004
Vijeshwar Sharma	Burmeister	The Effect of Air Gaps on Electron Beam Dose Output and Depth Dose Characteristics	MS	2004
Dennis Kehoe	McDermott	Implementation of the MedTec QA Phantom and RIT Analysis Software for IMRT Hybrid Studies	MS	2004
Lakshmi Santanam	Burmeister	Clinical Applications of IMRT to Adenocarcinoma of the Prostate: Portal Dose Verification and Intensity Modulated Neutron Radiotherapy	PhD	2004
Wenzheng Feng	Narayana	Validation of a CT based Automatic Seed Localization Algorithm	MS	2004
Agapitus Nkwocha	Yudelev	Analysis and Comparison of Postimplant Dosimetry of Different Implant Techniques on Permanent ¹²⁵ I Prostate Brachytherapy	MS	2004
Adam Tazi	Burmeister / McDermott	Optimization of SMLC Segment Shapes and Weights for Intensity Modulated Radiotherapy for Breast Cancer	MS	2004
Adrian Nalichowski	Burmeister / McDermott	Commissioning and Clinical Implementation of A MOSFET Dosimetry System	MS	2004
Qiang Liu	Burmeister / McDermott	Effect of Respiratory Motion on the Delivery of Breast Radiotherapy Using Both Static and Dynamic Beam Modulation	MS	2004
Scott Hunter	Yudelev	Mixed Dosimetry of d(48.5)+Be Neutrons With TLD-300	MS	2003
Jonathan Farr	Yudelev	A Compact Multileaf Collimator for Conventional and Intensity Modulated Fast Neutron Therapy	PhD	2003
Alberto Delazerda	Orton	Inverse Planning for Low Dose Rate Prostate Brachytherapy by Simulated Annealing Under Fuzzy Expert Control	PhD	2003
Nicolas Charest	Burmeister	A Head Immobilization Study Comparing Three Different Non-Invasive Immobilization Techniques for Fractionated Radiotherapy	MS	2002

Jeff Richer	Burmeister	Commissioning of a Sector Integration Technique for Calculation of Relative Output Factors for Clinical Electron Beams on a Siemens Primus Linear Accelerator	MS	2002
Hector Garnica	Van den Heuvel	Radiation Source Modeling For Monte Carlo-Based Treatment Planning Systems	PhD	2002
Michelle Kritzman	Orton	Quality Control and Artifact Recognition for TCT-SPECT Systems	MS	2001
Lakshmi Santanam	Van den Heuvel	Dose Response Characteristics of an a-Si Flat Panel Portal Imager	MS	2001
Ergun Ahunbay	Evelhoch	Implementation of Propeller, Spiral, and Variable Density Spiral Methods for Dynamic Contrast Enhanced Magnetic Resonance Imaging	PhD	2001
Ibrahim Duhaini	Peck	Using MRI Tissue Segmentation Technique to Predict Clinical Outcomes of Stroke Patients	MS	2000
Rabih Hammoud	Peck	Prediction of Tissue Recovery Using Multiparameter MRI Segmentation for Stroke Patients	MS	2000
Nick Schaaf	Kota	Photon Spectral Phenomena at the Entrance to Medical Linear Accelerator Mazes	MS	2000
Anurag Sharma	Orton	Verification of Electron Beam Dosimetry	MS	2000
Billy Shirlen	Orton	A Review of Methods of Intensity Modulated Radiotherapy and Output Measurements for IMRT With a Varian Linac	MS	2000
Nayyer Siddiqi	Orton	Improvements in the Therapeutic Treatment of Cervical Cancer: Identifying Hypoxia and Counteracting Effects	MS	2000
Archie Chu	Evelhoch	Reduction of Motion Artifacts in Magnetic Resonance Diffusion Imaging	PhD	2000
Faulk Michael	Moore	In vivo assessment of brain glutamatergic compounds via proton magnetic resonance spectroscopy	MS	1999
Amy Harrison	Spicka	The computer generated compensator: Friend or Foe	MS	1999
Mark Yudelev	Maughan	Dosimetry and Heterogeneity Effects in the d(48.5)+Be Neutron Beam at the Harper Hospital Superconducting Cyclotron	PhD	1999
Jay Burmeister	Maughan	Specification of the Physical and Biologically Effective Absorbed Dose in Radiation Therapies Utilizing the Boron Neutron Capture Reaction	PhD	1999
Todd Christensen	Pipe	Measurement of extracellular fraction using NMR and Gd-DTPA	MS	1998
Greg Edmundson	Orton	Implementation of ultrasound evaluation of High Dose Rate brachytherapy in a commercial 3D treatment planning system	MS	1998
Nagarajan Varadhan	Yudelev	TLD dosimetry in mixed radiation fields	MS	1998
Todd Gibson	Van Den Heuvel	Dosimetric Characteristics of a wire chamber based portal imaging device	MS	1998
Mark Rivard	Wierzbicki	Neutron Dosimetry, Moderated Energy Spectrum, and Neutron Capture Therapy for ²⁵² Cf Medical Sources	PhD	1998
Mirek Bialkowski	Wierzbicki	Modeling of internal dose distributions during Sr-89 treatment of a patient with bone metastases	MS	1997
Carlo Santa Ana	Yudelev	Dosimetry and Implementation of Dynamic wedge into a commercial treatment planning system	MS	1997
Stephanie Sherfinski	Ezzell	Equivalence of beam spoiled 15MV beams to 6 MV beams for tangential breast irradiation	MS	1997
Kamil Yenice	Van den Heuvel	Clinical results of the retrospective dose surface	MS	1997

		histogram study of prostate treatment at Harper hospital		
Laura (Eck) Smith	Orton	Under 100mA mobile radiographic system evaluation	MS	1997
Dawn Edwards	Orton	Radiopharmaceuticals and breast-feeding: Radiation doses and recommendations	MS	1997
Joe Gilio	Ezzell	Tabu Search: An Automatic Treatment Planning Algorithm for Conformal Radiotherapy	PhD	1997
Vrinda Narayana	Orton	Physical and Biological Approaches to the Improvement of Dosimetry and Delivery of Brachytherapy Treatment	PhD	1997
Julie Fayad	Orton	Computerized Tomography in conformation radiotherapy: An overview of technology and research	MS	1996
Yunxiang Huang	Alecu	Diode performance for in vivo dosimetry	MS	1996
Madeline Palisca	Ezzell	A Comparison of Dose compensation techniques in Radiation therapy treatment planning	MS	1996
David Waid	Ezzell	Quality Assurance of Theraplan/TP-11 Treatment Planning System at Harper Hospital Using AAPM Task Group #23	MS	1996
Richard Michaels	Roberts	Penumbra dose distributions of multileaf collimators versus cerrobend blocks	MS	1996
Linda Robbins	Windham	Method for isolating Multiple Sclerosis lesions from magnetic resonance images	MS	1996
Bhavani Rebbapragada	McDermott	A pilot study of in vivo dosimetry for routine QA in radiotherapy	MS	1996
Ergun Ahunbay	Chiu-Tsao	Monte Carlo Dosimetry for Y-90 Intravascular Brachytherapy	MS	1996
Jeffrey Hasenau	Windham	Image analysis of the hippocampus for surgically determining the epileptic foci in temporal lobe epilepsy	MS	1996
Renu Sharma	Forman	Enhancement of prostate tumor volume definition with intravesical contrast, a 3D dosimetric evaluation	MS	1996
Chandrasekhar Kota	Maughan	Microdosimetric Considerations in the Use of the Boron Neutron Capture Reaction in Radiation Therapy	PhD	1996
Charles Stafford	Orton	Microwave electron linear accelerator history and design	MS	1995
Joseph Okafor	Orton	Survey of dose specifications in brachytherapy	MS	1995
Joseph Gilio	Orton	Optimization of conformal therapy treatment planning: A new algorithm	MS	1995
Amy Sugarman	Orton	Treatment of Dunning R3327 Rat Prostate tumors and photodynamic therapy in combination with fast neutron therapy	MS	1995
Raj Mitra	Wierzbicki	Benchmarking the MCNP Monte Carlo Code for brachytherapy sources	MS	1995
Merwin Ho	Orton	An evaluation of missing tissue compensators	MS	1995
Dongfang Zhong	Orton	Implementation of TG-51 worksheet by Gupta SQL windows	MS	1995
Daniel Beideck	Orton	Nuclear medicine annual compliance testing	MS	1995
Kevin Darbe	Wierzbicki	Comparison of theraplan 05 calculated dose vs actual measurements performed with TLDs, Si diodes, and an ion chamber in a paraffin neck model.	MS	1995
Vidia Nathasingh	Orton	Cast Block Displacement: A Case Study	MS	1995
Margaret Syrian	Wierzbicki	The clinical use of silicon diode detectors	MS	1995
Sharon McMillan	Orton	Evaluating the effective dose to normal brain tissue in stereotactic radiosurgery	MS	1995

Jose Gomes	Pipe	Segmentation of white matter and gray matter in magnetic resonance images of the brain	MS	1995
Beth O'Dare	Ezzell	Electron Arc Therapy on the Siemens 6/15 at Harper Hospital	MS	1995
Iris Ouyang	Wierzbicki	Data acquisitions and system setup for render plan 3D radiation treatment planning	MS	1995
Ching-Sheng Liu	Ezzell	Survey on Intensity Modulation	MS	1995
Liyun Chang	Ezzell	Correlation of simulator image with portal image	MS	1995
Mark Rivard	Wierzbicki	Radionuclide development at Oak Ridge National Laboratory for use in a clinical setting	MS	1995
Wassim Jalbout	Roberts	Total skin electron therapy at Harper Hospital	MS	1995
Lawrence Metevier	Orton	Review of QA and calibration procedures for a high dose rate afterloader	MS	1995
Rodica Alecu	Orton	Influence of the air cavity on Vocal cord treatment	MS	1994
Tracy Lectka	Orton	A comparison of various HDR vs LDR brachytherapy treatments of the uterine cervix	MS	1994
Marius Alecu	Wierzbicki	Electron backscatter estimation	MS	1994
Dennis Aurand	Orton	Quality assurance for the beginning medical physicist	MS	1994
Hann-Sen Chen	Orton	Lecture Planning for the Non-Curriculum Therapeutic physicists in Taiwan	MS	1994
Walter Roberts	Orton	A system of Monte Carlo modeling techniques for clinical problems	MS	1994
Jihui Yang	Wierzbicki	Radionuclides for pain palliation of metastatic bone cancer	MS	1994
James Botti	Orton	A review of current methods for acceptance testing of gamma camera SPECT systems	MS	1994
Akhil Syed	McDermott	An experimental test of Randall Wilkins Theory of Thermoluminescence	MS	1994
Alan Cohen	Chungbin	Measurement of Off Axis Point Doses for Wedged ½ blocked fields	MS	1994
Melita Joyce	Orton	A comparison of 2 film scanning systems for use in film dosimetry	MS	1994
Daniel Archambeault	Wierzbicki		MS	1994
Yuefeng(Michael) Hu	Orton	A comprehensive specification review of the render 3D Computer treatment planning system	MS	1994
Praimakorn Liengsawangwong	Ezzell	Quality Assurance of HDR Remote Afterloading in Brachytherapy	MS	1994
Julie Lo	Orton	Sonodynamic and Photodynamic Cytotoxicity	MS	1994
Kamal Chawla	Wong	The influence of phosphor screen non-uniformities on megavoltage image quality	MS	1994
Qiang Shen	Orton	Skin reactions in Radiation therapy	MS	1994
Clay Stablein	Yudelev	Novel applications of the superconducting cyclotron multirod collimator and wedge filter design at Harper Hospital	MS	1994
He Tongming	Ragan	A Monte Carlo based 3D Inversion Planning model for IMRT	MS	1994
Gary Ezzell	Orton	Genetic and Geometric Optimization of Three Dimensional Radiation Therapy Treatment Planning	PhD	1994
Rick Crilly	Wilson / Orton	Development of the Forward-Adjoint Fluorescence Model with Applications for Fiber Optic Detection Systems	PhD	1994
Richard Mathew	Kessell	PDT Dosimetry: Experimental and theoretical evaluations.	MS	1993
Ping Jin	Orton	Film Dosimetry for electron beams	MS	1993

Ken Javedan	Orton	Field matching of megavoltage photon and electron beams	MS	1993
Brian MacPhail	Orton	Acceptance testing of a Radiotherapy Simulator	MS	1993
Zheng Jin	Orton	Bone heterogeneity effect on the I-125 seed dose distributions	MS	1993
Nasser Tamimi	Orton	The pacemaker problem in radiation therapy	MS	1993
Ray Hong	Orton	Patient dose verification with portal films	MS	1993
Patrick McDermott	Orton	TBI at Harper Hospital	MS	1993
Maksud Khatri	Ezzell	QA of electron beam planning software: Plato by Nucletron	MS	1993
Gary Kosko	Maughan	Modified Lead attenuation method to determine the neutron sensitivity k_u of a GM counter	MS	1993
Marissa Hernandez	Wierzbicki	Scaling Methods involved in calibrating High energy photon beams	MS	1993
Yishi Ren	Cheong	Interferometric and thermographic measurements of Pulse lasers	MS	1993
George Sawabins	Ezzell	Assessment of the geometric accuracy of the stereotactic radiosurgery treatment method at the Gershenson ROC	MS	1993
Sung Yong Park	Ezzell		MS	1993
Dryden Daniel	Orton	Observed Electron Depth Dose Shifts Created when using Cerrobend blocking.	MS	1993
Joyce Melita	Orton	A comparison of two film scanning systems for use in film dosimetry	MS	1993
Robert Payne		The effect of Lucite Attenuation and Projection Orientation of Effective Focal spot size.	MS	1993
Chun-Wei Li	Evelhoch	Evaluation of ^{31}P Magnetic Resonance Spectroscopy Localization Techniques in Human Myocardium and Soft-Tissue Sarcomas	PhD	1993
Rayma Bilicki	Orton	The impact of accreditation standards and Government intervention on the quality of Mammographic services in the state of Michigan	MS	1992
Roger Jardine	Maughan	Radiation induced conductivity in insulator materials	MS	1992
Suzanne Chungbin	Orton	Inhomogeneity Correction algorithms review and application to RTOG benchmark case	MS	1992
Jun Lin	Orton		MS	1992
Zheng Chen	Orton	The Physical and Radiobiological aspects of Radiosurgery	MS	1992
Scott Moon	Orton	Development Use and evaluation of computer assisted 3D treatment planning in radiation therapy with high energy photon external beams.	MS	1992
Danny Dickow	Orton	Design of flattening filters for the fast neutron beam by use of decrement lines and review characterization of a $d(48)\text{Be}$ MeV Neutron therapy beam skin sparing	MS	1992
Alicia Harris	Orton	Linac-based Stereotactic Radiosurgery	MS	1992
Donald Peck	Orton	Segmentation of multispectral data using a linear transformation	MS	1992
Dan Dryden	Orton		MS	1992
Leslie Teper	Orton	TLD dosimetry for Palladium 103 Eye Plaque therapy	MS	1992
Jao-Perng Lin	Orton	Clinical applications and methods of compensation systems in radiation therapy	MS	1992
Yongqing Lou	Orton	Response of plateau HA-1 cells to x-ray irradiation with Low temperature hyperthermia	MS	1992
Lin Jun	Orton	Bolus and compensator systems in Radiation therapy	MS	1992

Sandra Seehaver	Orton		MS	1992
Weiping Pan	Goldstein		MS	1991
Lisa Langenstein	Orton	TBI: An evaluation of the use of the Boron neutron capture reaction in Radiation therapy	MS	1991
Alex Ratkewicz	Lieto	TLD and Film dosimetry for Radiosurgery Photon beams	MS	1991
Dennis Stallsmith	Lieto	Xray Absorptiometry: A Radiation Safety Perspective	MS	1991
Shuo-Hung Ling	Orton	QA of HDR Remote AfterLoading in Brachtherapy	MS	1991
Jahangir Satti	Orton	Radiation safety Database management system	MS	1991
Frank Bolin	Orton	The measurement of the interaction of light with tissue	MS	1991
Liang Song	Orton	QA in Radiotherapy	MS	1991
Gheorge Lazarescu	Orton	Linear Quadratic model in prostate Cancer treatment	MS	1991
David Weimer	Orton	A study in collimator comparison	MS	1990
Martin Johnson	Orton	An evaluation of various Film screen combinations for portal imaging	MS	1990
Joey Meadows	Ezzell	Electron beam irregular field blocking effect: A clinical study of 28 cases	MS	1990
Praveen Dalmia			MS	1990
Archana Somnay	Ezzell	A system for radiosurgery of small intracranial lesions using an isocentric technique with a 10Mv Linac	MS	1990
Tracy King	Orton	History and current trends in radiopharmaceutical dosimetry	MS	1989
Alice Pichan	Ezzell	Virtual Source Distance Considered for Output Factor Determination with Irregular Electron Fields	MS	1989
Lila Krishnan	Orton		MS	1989
Selvaraj Naggapan		Tissue compensators for teletherapy	MS	1989
Selewski Nancy	Orton	Handbook of practical treatment planning techniques in radiation oncology	MS	1989
Ashok Shah	Orton	The analysis of hand exposures in the nuclear pharmacy	MS	1988
Roy Taylor	Orton	Determining the optical attenuation coefficient for tissue using 3D sampling of Space irradiance	MS	1988
Dan Tuharsky		The effects of 5 clinical variables on integral probability modeling in radiotherapy	MS	1988
Neil Keller	Orton	The CT scanner	MS	1988
Torabi Tooraj	Orton			
Barbara Beebe	Orton	The radiobiology of fractionated radiotherapy	MS	1987
Michael Rohan	Orton	Hyperthermia	MS	1987
Timothy Kensora	Orton	In-vivo MRS of the transplanted human kidney	MS	1987
David Porter	Orton	Dosimetry of whole body low energy electrons	MS	1986
Ray Carlson	Orton	Single Photon Computed Tomography: Quality Control	MS	1986
Timothy Lemond	Orton	Heavy particle radiation for cancer treatment	MS	1986
Janice Campbell	Orton	Tumor dose in the lung/tumor interface regions of thoracic lesions treated with high energy beams	MS	1986
Linda Schleis	Orton	Yellow light film processor system	MS	1986
Tom Vitalis	Orton	Beam shaping and Modification in radiation therapy	MS	1986
Arthur Ewald	Orton	The dosimetric properties of two intraoperative electron beam therapy applicator systems: Acrylic cones versus cerrobend blocks with extended distance	MS	1986
Hendrik Van denEnde	Orton	Magnetic resonance Spectroscopic Imaging in Medicine	MS	1986
Christopher Issa		Shielding of MRI units	MS	1985

Vincent Cytacki	Orton	Quality Assurance Testing in Radiation therapy	MS	1985
Cummings Richard	Orton	An overview of potassium iodide and the dose commitment of the thyroid from radioactive 40K contained in a KI tablet	MS	1985
Terry Dillon	Orton	Patient dose related to CT scanning and digital radiography	MS	1984
Hana Hanna	Orton	A QA program for remote controlled fluoroscopy devices	MS	1984
Carol Kuntzler	Orton	Minimization of fetal dose in radiotherapy	MS	1984
Ramanik Patel	Orton	NMR	MS	1984
Rob Smereka	Orton	Activation of radiotherapy treatment aids irradiated with 18MV photons	MS	1984
Denis Szemania	Orton		MS	1984
Mewafak Tajiran	Krohmer	Optimizing chest radiography	MS	1984
Kurt Blodgett	Orton	Magnetic Resonance Imaging	MS	1984
Peter Mondalek		Characteristics of electron beam for inoperative radiotherapy	MS	1983
Robert Payne	Krohmer	The effects of Lucite attenuation and projection orientation of the effective focal spot size	MS	1983
Thomas Cherewick			MS	1979
Mark Freidin			MS	1979
Paul Vella			MS	1978
Gilbert Klein			MS	1973