Medical Physics

**GRADUATE RESEARCH, 1990-2011 The Graduate School, University of Santo Tomas**

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| **1990-1991** 1. **Ramirez, Manuel**
 | **Indoor222 Radon Measurements in King Faisal Specialists Hospital And Research Center, Riyadh, King of Saudi Arabia**  |
| **1991-1992** 1. **Valdezco, Eulinia**
 | **The Feasibility of Using Ethanol Monochlorobenzene Chemical Dosimetry System as the Secondary Standard for High Gamma Dose Assurance**  |
| **1995-1996** 1. **Elesango, Maribelle G.**
 | **Results of Computer Dosimetry Versus TLD in Vivo-Dosimetry in Branch Therapy for Uterine Malignancies in 21 Consecutive Patients at the Makati Medical Center**  |
| **2002-2003** 1. **Cabrera, Gladys**
 | **Determination of Radiofrequency Radiation Levels Around Selected Cellular Base Stations in the NCR**  |
|  |  |
| **2004-2005** 1. **Casipong, Darrin**
 | **Comparison of Calibration Procedures for Iridium-192 HDR Brach Therapy Source**  |
| 1. **Eleazar, Arnold**
 | **The Development and Performance Evaluation of a Locally Made Microwave Oven Leakage Detector**  |
| 1. **Naguit, Joyce**
 | **Image Quality Assessment of Selected Mammography Facilities in the Philippines Using the Age Accreditation Mammographic Phantom**  |
| 1. **Rupinta, Francis**
 | **Determination of Electric and Magnetic Fields from Video Display Units (VDUS) in Selected Facilities in the National Capital Region (NCR)**  |
| 1. **Serano, Fernando III**
 | **Determination of Off-Axis Variation of Wedge Filter Factor with Asymmetric Collimation for a 6mv Varian Clinac 600c Linear Accelerator**  |
| **2007-2008** 1. **Lingatong, Nivea**
 | **The National Quality Audit of Radiotherapy Facilities in the Philippines**  |
| 1. **Vicario, Daniel**
 | **Determination of Electric and Magnetic Field Levels Within the Right of Way Distances of 69kv, 230kv and 500kv Electric Power Lines in Selected Sites in the Philippines**  |
| **2008-2009** 1. **Cruzet, Rhodesa**
 | **Comparison between Clinically used Irregular Fields Shaped by Cerro bend Blocks and by Multileaf Collimator using a Clarkson Sector Integration Computer Program**  |
| 1. **Lopez, Frances Caroline M.**
 | **Validation of Recombination Factor for Farmer-Type Ionization Chamber in 6 MV Pulsed Photon Beams via TVT and MVT**  |
| 1. **Margallo, Victor**
 | **Occupational and Non-Occupational** **Exposures to Extremely Low Frequency (ELF) Magnetic Fields in selected Electric Power Substations in the Philippines**  |
| **2009-2010** 1. **Adlawan, Hazel P.**
 | **Evaluation Of Image Quality And Mean Glandular Dose Of Selected Mammographic Facilities In Metro Manila**  |
| 1. **Galingana, Jake John P.**
 | **Evaluation Of An External Beam Calculation Algorithm Of A Treatment Planning System Using The IEAE Test Pack Age For Cobalt-60**  |
| 1. **Gonio, Verleah**
 | **Determination Of Planning Target Volume (Ptv) Margin In Intensity Modulated Radiation Therapy (Imrt) Of Head And Neck Cancer By Measuring Patients’ Set Up Variations**  |
| **2010-2011** 1. **Asan, Donna C.**

**19. Barte, Ellie Floyd**  | **A Survey of Kerma – Area Products and Fluoroscopy Times from Common Interventional Radiology Procedures in St. Luke’s Medical Center, Quezon City** **Radio Frequency Radiation (RFR) levels from 35, 40 and 50 kW Amplitude Modulation (AM) radio station transmitter antennas in Bulacan Province and Valenzuela City**  |
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| 1. **Cabauatan, Melania M.**
2. **Cisneros, Ma. Rosanna E.**
3. **De Guzman, Joyce Ann T.**
4. **Durante, Roujahn M.**
5. **Joseph, DivinaGracia T.**
6. **Joyas, Annie Lorraine B.**
7. **Maaño, Maria Cristina S.**
8. **Mendoza, Moses King**

**28. Paglinawan, Meriska Monica F.** **29. Pineda, Renz Carlo L.** **30. Torio, Von Anthony G.** **31. Uy, Realyn Joy L.** **32. Zerrudo, Juzzel Ian** **2012-2013** **33. Baluyot, Leo Martin** **34. Barani, Fatemeh** | **Dosimetric Comparison Between the Free Breathing and Active Breathing Intensity-Modulated Radiation Therapy (IMRT) Plans in Treating Cancer Patients with Moving Targets Comparison of the Weighted Computed Tomography Dose Index (CTDIw) and Dose-Length Product (DLPs) Values of Pediatric Patients with the Reference Dose Values in Routine Head Computed Tomography Examinations Ectremely Low Frequency Magnetic Field Measurements in a Residence Adjacent to 86kVA Transformers in Brgy. Siena, Quezon City Evaluation of Patient Doses from Common Radiographic Procedures in Selected Hospitals in Baguio City Occupational Microwave Radiation Power Density Levels from Doppler Weather Surveillance Radar Facilities in Baler, Aurora and Tuba, Benguet Radio Frequency Radiation Power Density Levels from Selected Ultra High Frequency (UHF) and Very High Frequency (VHF) Television Broadcast Transmitters in Metro Manila, Philippines Estimation of Occupational Radiation Dose Levels of Interventional Cardiologists at the Philippine Heart Center Radiation and Estimates Involving the Replacement of the Entrance Foil of the Target Assembly of a GE Minitrace TM Cyclotron in the Philippines Power Levels of the Declared Classes of Laser Pointers in the Philippine Market Radio Frequency Radiation (RFR) Power Density Levels from Selected Cell Sites Over The Service Band of GSM 900, 1800, 3G 850 and 3G 2100 in Bulacan, Philippines Adult Patient Doses from Chest Posteroanterior (PA) X-ray Examinations Using Conventional Radiography Occupational Microwave Radiation Power Density Levels from the Radar Facility in Mactan Cebu International Airport (MCIA) Adult Patient Dose Levels from Conventional Chest X-Ray Examination in Selected Hospitals in Manila and Laguna**  |

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**35. Devantes, KathrinaManiego****36. Ibasco, Karen Santos****37. Marquez, Melanie DelaFuente****38. Ramo, Ma. ElinaSalvacionKristina Velasco****39. Uy, Dempsey Lee** | **Dosimetric Comparison Between the Free Breathing and Active Breathing Intensity-Modulated Radiation Therapy (IMRT) Plans in Treating Cancer Patients with Moving Targets** **Comparison of the Weighted Computed Tomography Dose Index (CTDIw) and Dose-Length Product (DLPs) Values of Pediatric Patients with the Reference Dose Values in Routine Head Computed Tomography Examinations** **Ectremely Low Frequency Magnetic Field Measurements in a Residence Adjacent to 86kVA Transformers in Brgy. Siena, Quezon City** **Evaluation of Patient Doses from Common Radiographic Procedures in Selected Hospitals in Baguio City** **Occupational Microwave Radiation Power Density Levels from Doppler Weather Surveillance Radar Facilities in Baler, Aurora and Tuba, Benguet****Radio Frequency Radiation Power Density Levels from Selected Ultra High Frequency (UHF) and Very High Frequency (VHF) Television Broadcast Transmitters in Metro Manila, Philippines** **Estimation of Occupational Radiation Dose Levels of Interventional Cardiologists at the Philippine Heart Center** **Radiation and Estimates Involving the Replacement of the Entrance Foil of the Target Assembly of a GE MinitraceTM Cyclotron in the Philippines** **Power Levels of the Declared Classes of Laser Pointers in the Philippine Market** **Radio Frequency Radiation (RFR) Power Density Levels from Selected Cell Sites Over The Service Band of GSM 900, 1800, 3G 850 and 3G 2100 in Bulacan, Philippines** **Adult Patient Doses from Chest Posteroanterior (PA) X-ray Examinations Using Conventional Radiography** **Occupational Microwave Radiation Power Density Levels from the Radar Facility in Mactan Cebu International Airport (MCIA)** **Adult Patient Dose Levels from Conventional Chest X-Ray Examination in Selected Hospitals in Manila and Laguna** **Dosimetric Analysis of Pediatric Cranial and Abdominal Procedures in 64-slice Computed Tomography; Grade: *Cum Laude*****Image Quality Assessment Using the Brain Studies Protocol for the 3.0 Tesla MRI System at the National Kidney and Transplant Institute of the Philippines****The Effects of Tennis Racket Panel and Rigid Polyurethane Immobilization Device on Beam Attenuation and Dose Build-up in Radiation Therapy** **Radiation Shielding Evaluation for Radiographic-Fluoroscopic Facilities of Selected Department of Health Hospitals in Metro Manila; Grade : *Cum Laude*****Survey of Patient Surface Doses in Simple Radiographic Examinations at East Avenue Medical Center: Establishing Guidance Levels; Grade : *Cum Laude*****An Assessment of the Compliance and Appropriateness of Radioactive Iodine Therapy Patient Release Criteria in the Philippines****Hand Exposure Estimates of Staff Working with 1-131, Tc-99m and F-18 FDG in Selected Nuclear Medicine Facilities** |