

M. Roslan Abdul Gani

MEDICAL PHYSICISTS



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Education

- Master of Science in Medical Physics
University of Indonesia, 2019
 - Bachelor of Science in Physics
University of Indonesia, 2015
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Professional Experience

- Medical Physicists
National Cancer Center, Dharmais Cancer Hospital
2016 – present
 - Irradiator Cyclotron
National Cancer Center, Dharmais Cancer Hospital
2018 – present
 - Radiation Protection Officer
National Cancer Center, Dharmais Cancer Hospital
2019 – present
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Training and Workshop

- IAEA-RCA RAS6097. Regional Training Course on Set-up of Cyclotron Facility for Radiopharmaceutical Production.
 - IAEA RAS6088. Regional Training Workshop on Quality Assurance/Quality Control and Dosimetry Digital Radiology.
 - ICTP-IAEA SMR3570. Workshop on Dosimetry in Radionuclide Therapy and Diagnostic Nuclear Medicine.
 - ICTP-IAEA SMR3933. Workshop on Quantitative Imaging and Analysis Methods in Modern Nuclear Medicine.
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Certifications

- Clinical of Medical Physicists Certification, Indonesian Association of Physicists in Medicine, 2021
 - Training of Health Trainer Certification, Ministry of Health, 2021
 - Irradiator Operator Certification, National Nuclear Energy Agency of Indonesia, 2020
 - Radiation Protection Officer Certification, National Nuclear Energy Agency of Indonesia, 2019
 - Basic Life Support Certification, Dharmais Cancer Hospital, 2017
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Awards and Honors	• SEAFOMP Young Leaders Award 2024 • Cum Laude for Master's Degree in Physics, 2020
Publications	• D. Miftahuddin, A. G. Prayitno, A. P. Hariyanto, M. R. A. Gani, E. Endarko. Evaluation of Low-Dose Pediatric Chest CT Examination Using In-house Developed Various Age-size Pediatric Chest Phantoms. <i>Eur J Radiol</i> Aug:177:111599 (2024). • K. H. Basri, Y. Lusiyanti, D. Ramadhani, D. Tetriana, A. R. Dewi, S. Purnami, V. A. Suvivan, M. R. A. Gani, T. Kisananto. Preliminary Study of Micronucleus Frequencies and 2 Responses in Thyroid Cancer Patients After Treatment with ¹³¹I Therapy. <i>Atom Indonesia</i> Vol. 50 No. 2 (2024). • E. Endarko, F. M. Celina, M. R. A. Gani. Analysis of Dual-energy Mammography Subtraction Technique For The Dose and Quality Evaluation Using 3D-printed Breast Phantom. <i>Phys Eng Sci Med</i> 46, 1693–1701 (2023). • M. N. Helin, G. A. Treswari, M. R. A. Gani, P. Prajitno, D. S. Soejoko. Classification of Normal and Abnormal Bladder CT Images Using Support Vector Machine. <i>AIP Conf. Proc.</i> 2663, 020002 (2022). • R. Mulia, M. R. A. Gani, L. E. Lubis, D. S. Soejoko. Estimasi Entrance Skin Dose (ESD) Pada Simulasi Pemeriksaan Radiologi Intervensional Dengan Perangkat Lunak Berbasis Android™. <i>J. Med. Phys. Biop.</i> 7 (1) (2020). • N. F. Rahman, M. I. Fajar, N. Aini, R. H. Febrianti, I. Lestariningsih, M. R. A. Gani, L. E. Lubis, D. S. Soejoko. Using In-house Quick-QC Phantom To Characterize Computed and Direct Digital Radiography: A Preliminary Study. <i>Journal of Physics: Conf. Series</i> 1248 (2019). • E. A. Ardyanti, M. R. A. Gani, L. E. Lubis, D. S. Soejoko. Pengaruh Antiscatter Grid Terhadap Dosis dan Kualitas Citra Pada Prosedur Radiologi Intervensional. <i>J. Med. Phys. Biop.</i> 6(1), (2019). • S. N. Shilfa, M. R. A. Gani, I. A. S. Mu'minah, F. Ardiansyah, L. E. Lubis, D. S. Soejoko. Pengukuran MTF (Modulation Transfer Function) Berdasarkan LSF (Line Spread Function) dan PSF (Point Spread Function) Pada Pesawat PET/CT dan SPECT/CT. <i>J. Med. Phys. Biop.</i> 6 (1) (2019). • M. R. A. Gani, D. S. Soejoko, S. A. Pawiro. Body Size and Organ Volume of Indonesian Patients Generated from CT Images: Preliminary Study. <i>Journal of Physics: Conf. Series</i> 1097 (2018). • M. R. A. Gani, F. Nazir, S. A. Pawiro, D. S. Soejoko. Assessment of Cardiac Function Using Myocardial Perfusion Imaging Technique on SPECT With ^{99m}Tc Sestamibi. <i>Journal of Physics: Conf. Series</i> 694 (2016).
Professional Memberships	• Indonesian Association of Physicists in Medicine (IAPM/AFISMI), Member since 2016