

Kanchan Sarga Nyaichyai

Medical Physicist

Assistant Professor, National Academy of Medical Science (NAMS), Bir Hospital
Executive Member, Nepalese Association of Medical Physicists (NAMP)

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EXPERIENCE

National Academy of Medical Science, Bir Hospital, Kathmandu— *Medical Physicist*

June 2020 - June 2022, March 2024 - PRESENT

Nepal Radiation Expert, Kathmandu— *Consulting Dosimetry Specialist*

April 2022 - PRESENT

Kathmandu Cancer Center, Bhaktapur— *Medical Physicist*

September 2022 - February 2024

EDUCATION

University of Trieste in collaboration with Abdus Salam International Center for Theoretical Physics, Trieste, Italy— *Masters in Advanced Studies in Medical Physics*

January 2018 - December 2019

Tribhuvan University, Kathmandu, Nepal— *Masters in Physics*

February 2010- April 2013

PUBLICATIONS

- Nyaichyai K. S. et al. (2022). Monitoring linear accelerator output constancy and overall performance using the PTW Quickcheck. *Journal of Nepal Physical Society*, 8(3), 66-74.
- Nyaichyai, K. S. (2022). Occupational radiation safety studies in Nepal—a review. *International Journal of Occupational Safety and Health*, 12(1), 45–53.
- Adhikari K.P., Nyaichyai K.S. (2020) Impact of COVID-19 Pandemic on Medical Physicist's work in Asia & Oceania Region. *Medical Physics International Journal*, Vol. 8, No. 3.
- Nyaichyai K.S. (2015) Studies on Kinetic Parameters of Dosimetric Grade α -Al₂O₃: C, *Proceedings of 20th National Symposium on Radiation Physics (NSRP-20)*, Manglore, India, Oct 28-30, 2015.

SKILLS

Working knowledge in different TPSs: **Raystation, Precision, Eclipse, Monaco.**

Familiarity with various software like **Mosaiq, Verisoft, SNC patient, 3DVH, Oncentra.**

AWARDS & TRAININGS

Management of External Beam Radiotherapy, IAEA RTC, RAS6110, Dec 8-12, 2025, Cipto Mangunkusumo National General Hospital, Indonesia

Radiotherapy Patient Safety and QUATRO Audit Methodologies, IAEA RTC, RAS6107, May 26-30, 2025, Siriraj Hospital, Thailand

Fellowship from IAEA to study the Masters in Advanced Studies in Medical Physics in ICTP, 2018-2019

Fellowship training on "Study on Application of TLD in Personnel Monitoring", Bhabha Atomic Research Centre (BARC) in association with NAM S&T, May-November 2015

LANGUAGES

Newari, Nepali, English, Hindi, Italian (Basic)

