

RME Handover Program in commemoration with National Science Week (13th to 19th September, 2021)

Cancer is one of the most rapidly growing diseases in Nepal. Over half of all cases of cancer in the world arise in people in low and middle income countries. At least 55%-60% of all cases of cancer will need radiotherapy. However, the existing infrastructure is far behind to successfully cope with this increasing threat not only to public health but also national economies. However, the developing country like Nepal does not benefit from this advancement due to lack of radiotherapy machines and insufficient number of specialized medical professionals. According to GLOBOCAN 2020 data, Nepal had 20,508 new cancer cases in 2020 which is projected to increase to 36,906 by the year 2025. Additionally, radiation therapy, diagnostic radiology and nuclear medicine are increasing dramatically. Nepal needs more medical physicists, especially in the radiation therapy and imaging area, as well as quality assurance programs to improve quality of treatment, imaging and accurate diagnosis. Technological advancement in radiation therapy has dramatically increased the survival rate, reduced the side effects of radiation treatment, and enhanced the quality of life after recovery. It is expected that the successful implementation Quality Assurance program will ultimately improve quality of imaging, reduce patient doses, and enhance the life cycle of imaging equipment.



Radiation measuring equipment and Quality Control equipment provided by IAEA handover program was held at NAMS, Bir Hospital, Kathmandu. These equipment were received under IAEA Technical Cooperation Program entitled “Strengthening Modern Application of Radiation Therapy in Nepal” (NEP 6003). Various Radiation Measuring Equipment (RME) and physics QA equipment like Neutron Dosimeter, Film Dosimetry system, Diamond detector, IMRT QA equipment, radiation survey meter was handover to Acting Chief Administrative Officer of Covid-19 Unified Hospital, Prof. Dr. Bhupendra Kumar Basnet by Mr. Suresh Acharya, Secretary, Ministry of Education, Science and Technology amidst a ceremony organized by the hospital commemorating National Science Week. Recognizing its generosity, the Ministry of Education, Science and Technology and NAMS, Bir Hospital would like to thank IAEA through Technical Cooperation program (TC) for its continuous support in the field of radiation used in Medicine.