

令和6年度 第84回 大学院セミナー

令和7年 3月 15日

分野名 Area of Research (責任者名)(内線)	アイソトープ診断治療学分野 (原研放射) 責任者名(工藤 崇) 内線(7101)
演題 Title	原研研究集会 GENKEN research seminar
講師等 Presenter	原研放射 工藤 崇、井手口 怜子、福田 直子、西 弘大
概要 Abstract	<p>1. Radiation according to Radioisotope therapy (RIT) Strict regulation of radiation in hospitals is becoming an obstacle to the widespread use of RIT in Japan. To evaluate this issue, we investigated environmental radiation in RIT.</p> <p>1.a: Trends in ambient dose in hospital rooms during I-131 therapy and external radiation dose in nursing work We measured spatial dose distribution and exposure dose of nurses during admission to the RIT ward after I-131 therapy for treatment of metastatic thyroid cancer. The radiation dose in the ward increased immediately after I-131 administration and decreased with time. The dose itself was very low and was not expected to pose a significant health risk to the nurses.</p> <p>1.b: Environmental dose in the room after Lu-177 and I-131 therapy The ambient dose and contamination after RIT with Lu-177 (for neuroendocrine tumours) and I-131 were compared. The ambient dose and contamination for Lu-177 was limited in the bathroom/WC. On the other hand, the ambient dose and contamination were higher in the whole room used for I-131 than in the Lu-177 room.</p> <p>2. Introduction of new PET/CT and SPECT/CT for small animal imaging studies. ※The speech of 2 is in Japanese. The PET/SPECT/CT system in the Center for Radiation Research and Education will be updated. The overview of the new system will be presented.</p>
開催日時 Date and Time	令和7年 3月 26日 (Wed) 17:30~18:30
開催方法 Online/Face to face	On Zoom
備考 Notes	<p>受講を希望する場合は、ID・パスワードをお教えしますので、必ずご連絡ください。(内線 7101 or Email:tkudo123@nagasaki-u.ac.jp)</p> <p>If you would like to participate in this seminar and need Zoom ID and Password, please contact tkudo123@nagasaki-u.ac.jp.</p> <p>大学院セミナーとしては日本語 1/2 回・英語 1/2 回のカウントとなります。</p> <p>This seminar will be counted as 1/2 times as Special Lecture in Japanese and English each.</p>

- 先端医療科学特論(基礎編)
 先端新興感染症病態制御学特論
 日本語(Japanese)
 対面(Face to face)

- 先端医療科学特論(臨床編)
 先端放射線医療科学特論
 英語(English)
 オンライン(Online)