２０１９年度岸本国際交流奨学金による海外活動実施報告書

課程：Doctor course 学年：3	学籍番号：*******	氏名：A・A

渡航先国：The Netherlands
受入機関名：University of Groningen, Department of Nuclear medicine and molecularmaging.
渡航先機関での受入期間： 令和　02 年　02 月　04 日　〜　令和　02 年　03 月　18 日（43 日間）

In the period of February 4 to March 18, 2020, I performed a research internship at the department of Nuclear Medicine and Molecular Imaging of the University Medical Center Groningen (UMCG) – University of Groningen, under the Prof. Erik de Vries with C.W.J. van der Weijden, MSc,and senior PhD student as daily supervisor.
The internship was conducted on a daily basis during the specified period except for weekends (Saturday and Sunday). Although the primary end date of the Internship was supposed to be on 24th of March, on the 18th of March, the internship was prematurely terminated, due to measures of the Dutch government to reduce the spread of the COVID-19 virus, including closure of the universities.

During the internship I started studying about and working with the new imaging method: [C]MEDAS PET for molecular imaging of myelin density and studied all required tutorials of the PMOD software package for quantitative analysis of PET scans. Thereafter, I performed the analysis [C]MEDAS PET scans of multiple sclerosis patients, in order to quantify the myelin content in the spinal cord.
Although the research area was very explorative and therefore we needed to optimize many aspects of the analysis, I gained a lot of experience in the field of Nuclear imaging in Neurological conditions and was able to learn a lot of new aspects and techniques with various imaging modalities and techniques and was able to get a long smoothly with both my supervisors

and other department members.

I would describe it as a great opportunity and a wonderful experience, and in the future I intend to use the knowledge, skills and the experience I gained in research and probably get to make great use of them to get more knowledge and understanding of the various Neurological diseases and be able contribute to their improvement.