Fellowship Profile

Nuclear Medicine and Diagnostic Imaging

Training Summary:

I am a Thai nuclear medicine physician, working in the Nuclear Medicine Division, Radiology Department at Siriraj Hospital in Thailand. Apart from routine clinical works in the nuclear medicine field, such as treating thyroid disease and reporting nuclear imaging studies, I'm involved in neuronuclear imaging research in patients with Alzheimer's disease.

I was very glad to be awarded a two-week fellowship training at the Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital in Boston, Massachusetts and to be supervised by Dr. Douglas Greve who is very knowledgeable about quantitative multi-modal neuroimaging. I also had chance to participate in a comprehensive training course called the "FreeSurfer Course" which took place from September 23-26, 2019.



During the two-week training, I learned a lot about FreeSurfer, a powerful neuroimaging analysis software, from the basics all the way to the level that I could incorporate SPECT and PET imaging data into individual MRI data. I have also learned surface-based group comparison for both cross-sectional and longitudinal analysis stream that will prove very useful for my future research. Finally, I achieved the reconstruction of surface-based normal database for both Florbetapir and FDG studies which could be later used to generate individual z-score map for better imaging analysis of clinical subjects.

What's Next?

I plan to use what I learned at the Martinos Center to create proper surface-based normal database for SPECT study that is still mainly used in Thai population owing to budget-constrained reimbursement policy. The knowledge I obtain will also pave the way for development of novel PET tracers' quantitative analysis in my home country.

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THAILAND

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