

Fellowship Profile

IAEA PROGRAMS
AT ARGONNE NATIONAL LABORATORY

Dosimetry & Medical Physics

TRAINING SUMMARY

I attended a fellowship at the Emory Proton Therapy Center in Atlanta Georgia in the field of Dosimetry and Medical Physics (EPTC). I had the opportunity to access many new tools. To observe QA via the total QA program that is being used to analyze dosimetry, flatness, energy, laser alignment, etc., and to observe CT simulation which has clear operation in CSI, QACT, 4DCT, and SDX is significant to my current responsibility and made it to be more efficient.

One of the most important and interesting lectures for me was on the topic of motion management and the observation of the simulation process, treatment planning, and treatment operation using SDX. Since this tool will be used in my site in the near future getting to learn it prior to that makes this training very valuable. Regarding the CSI observation, I witnessed the work process from Emory team and made my understanding crystal clear. This affects my daily routine work, especially doing kV imaging on the Head and neck, brain, and liver by using the SDX technique in the shadow RTT session.

WHATS NEXT?

All the experiences and information I have learned will be used and shared [with my colleagues] to improve my proton center at King Chulalongkorn Memorial Hospital. We will adapt them to match the system of our center, and implement the technique learned during training to make sure our patients receive safe, fast, and better treatment. The new tools and machines I first saw at the Emory site will be useful, and hope to shortly have them in our site. I will take all the knowledge for my future study and research.



“The training program conducted by EPTC regarding the proton [therapy] has broadened my horizons.”

Boontarik Nayong- Thailand

September 4th - 15th 2023

Hosted by: Emory Proton Therapy Center