



DUONG DUC BINH: VIETNAM

Positron Emission Tomography and Computerized Tomography use in Oncology.



Dr. Duong Duc Binh has come to the United States from the Nuclear Medicine Department of Danang Hospital in Danang City, Vietnam. He is currently studying in the Department of Radiology, Division of Nuclear Medicine, at Mount Sinai Hospital in New York City, NY for six months as an IAEA Fellow. His training is focused on applications of Positron Emission Tomography and Computerized Tomography (PET/CT) in Oncology. PET/CT facilities are very useful and necessary in diagnosing and staging cancer diseases. His training at Mount Sinai consists mainly of interpreting PET/CT images under the supervision of Dr. Lale Kostakoglu, Professor of Radiology at the hospital.

PET/CT scanners in clinical applications have developed very rapidly in the last few years. For cancers that are FDG-avid (Fluorodeoxyglucose (^{18}F)), the PET/CT scans improve both sensitivity and specificity of tumor staging. PET/CT scanners are not only useful for oncology related matters, but are also very useful in cardiovascular and central nervous system diagnosis and treatment.

Dr. Duong Duc Binh graduated from Hue Medical University in 2000 and has worked in the Nuclear Medicine Department at his hospital in Danang since 2004. In the near future, Danang Hospital will install PET/CT facilities with cyclotron to produce radiopharmaceuticals like FDG. Along with this, an accelerator and a Cobalt-60 machine will be installed in the Oncology Department. Dr. Duong Duc Binh is expecting to receive more cancer patients at the hospital due to these additions, and the hospital is hoping to instill cooperation amongst all the hospital departments in using these advanced techniques to serve their patients.

Dr. Duong Duc Binh feels that receiving the IAEA fellowship is a good opportunity for him to improve his knowledge of nuclear medicine. He is looking forward to applying his new knowledge and skills towards serving his patients.

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