

【Campus Asia Report】 Romanov Victor

Major in your home university : Osaka University graduate school of medicine

Period of your stay : March 2017

Name of the host department : Xinhua Hospital affiliated to Jiao Tong University of Shanghai

1. Program description

I had been training in Xinhua Hospital, affiliated to Jiao Tong University of Shanghai from March 2nd to March 25th. During my training I got acquainted with the organization, clinical work and scientific research of nuclear medicine department of Xinhua hospital. I took part in weekly meetings and had been reviewing pediatric and adult oncology PET-CT studies. I have also visited nuclear medicine departments of two other hospitals, affiliated to Jiao Tong University.

2. Learning outcomes

During my training I could see many interesting, rare and representative cases of pediatric diseases, like palyngia, hepatoblastoma, clear cell sarcoma of the kidney, panniculitis-like T-cell lymphoma, small-blue-round-cell tumors and many others. Many cases were at advanced stages, with metastatic spread. As for the adult patients, I could see many cases of tuberculosis, including cases of tbs with uncommon presentation, not very common in Japan. In other hospitals I could see interesting and up-to-date equipment, like a camera for scintimammography, semiconductor cardiac SPECT and new PET-CT cameras, manufactured in China, could see images acquired with these new devices.

3. Experiences in Japan

In Japan I have been studying nuclear medicine for two years, first year as research student and the second year as PhD student. I have seen a big variety of clinical studies of general nuclear medicine and PET-CT and several research studies. I participate in creation of teaching database of clinical cases in English. I also got acquainted with Boron Neutron Capture Therapy, very promising therapeutic modality, and FBPA (4-Borono-2-(18F)fluoro-L-phenylalanine) PET as a novel diagnostic modality. And my current research work is related to prediction of boron concentration in normal tissues before BNCT in order to reduce radiation injury.

4. Influence on future career goals or choices

In Xinhua Hospital I have realized that pediatric oncology is a very special field of medicine. Many malignancies occur only in childhood, and other tumors, arising in both pediatric and adult patients have not only different clinical presentation and tracer uptake features but even treatment and prognosis. So I understood, that I have to improve my knowledge in pediatric oncology.