

Global COE Program
World Center of Education and Research for Inter-disciplinary Flow Dynamics
2009 Internship Program for Students of Tohoku University
Experience Note

Name : **YU Changho**

Affiliation in Tohoku Univ. : **Graduate school of Biomedical Engineering**

Supervisor in Tohoku Univ. : **OHTA Makoto**

Accepting University : **Severance Hospital in Yonsei University Health System**

Supervisor in Yonsei Univ. : **Kim dongik**

Internship Period : **15th . Feb. 2010 ~ 17th .Mar. 2010**

My internship was at Severance Hospital in Yonsei University Health System in Seoul in Korea from Feb. 15th to Mar. 17th. Yonsei University Health System (YUHS) was founded in 1885 as the first modern medical institution in Korea by the American medical missionary, Dr. Horace N. Allen. I was one of the collaborative research members of Severance Hospital Integrative Research Institute for Cerebral and Cardiovascular Diseases (SIRIC). SIRIC runs 3 unit projects for R&D : 1 unit project for developing the diagnosis technology and 2 unit projects for developing the preventive and treatment technology. During my stay at YUHS, I worked under the supervision of Prof. Kim dongik, and one of the researchers of “innovative treatment for thrombotic and atherosclerotic arterial diseases” group. Everything had been well organized for me to have a comfortable daily life and efficient research work. All people I met in YUHS were very nice and kind. Here, I would like to thank them once more.

During my internship period, I got a lot of new and good experience in hospital. For example, First, I attended the intervention surgery of cardiovascular disease many times and watched how medical doctors treated patients of cardiovascular disease with the endovascular treatment devices such as coils, catheters and stents. Second, I got a collaborative meeting with professors, medical doctors and company man and discussed the new stent design. Third, I attended to do experiment on animals here. It is for medical doctors to put the stent to pork's vessel. It is totally same way as human's surgery. It is first time to see, experience and feel that kind of experiment. I learned a lot from them and I received useful comments and advices on my research and got new ideas for my future work.

My staying in Seoul was full of good and unforgettable memories and Seoul seems to be a perfect city. There are a lot of fascinating places. Green parks where you can relax in the center of the city, the traditional Korean flare of Insa-dong, and modern, upscale shopping - Seoul really offers everything. Seoul is energetic. When I came to Seoul, I thought, looking at all of the people walking down the street and all the flashy neon lights. The fact that thing is available for 24 hours. You can get a roll of kimbap at anytime on the street. You can get a bottle of Hite beer at anytime. There's definitely a buzz in Seoul and that's why I really enjoy being here. Seoul is energetic. It is very good memory.

Finally, I am really thankful to Prof.Ohta, my supervisor for providing me this opportunity. I want to have a special thank to Prof. Kim dongik for his nice cooperation on my research work during the internship period. I would also like to thank the staffs of GCOE and SIRIC offices for their nice helps doing the official procedures.



Collaborative meeting to discuss the new stent design



To do experiment on animals