

Past-present-future; Reatimely bidirecional using of Seoul Korean National Cyber Lab for collaboration of remote education, interpretation, research and operation

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Online teleconference among 4 branch hospitals of Seoul National University has been held since 2003. The contents of teleconference are case conference, symposium, faculty special lecture, graduate school lecture, difficult interpretation for real-time PACS of Radiology, PET CT, even pathology slides, and research laboratory meetings. The KREONET, high performance research network for R&D community in Korea, has been used for our teleconference since 2003. Currently at Seoul National University Boramae Hospital KREONET and Korea National Cyber Lab are used together in the Medical School to provide various real-time lectures such as training protocols for not only medical students and residents but also under-experienced surgeons, radiologists, or physicians located at remote areas.



Biography:

Jeong Sang Lee, MD, PhD.

Professor Jeong Sang Lee, MD, PhD has focused his clinical works on thoracic & cardiovascular surgery - trauma and thoracoscopic surgery since 1991. Besides routine surgical procedures for cardiovascular trauma, lung and esophageal cancers, hemopneumothorax, and multiple trauma, he has the largest experiences for the 2mm VATS (Video Assisted Thoracic Surgery) for hyperhidrosis and osmidrosis in Korea since 1996. His team also has deep interests in clinical co-work, co-interpretation, co-research, and co-education with multi-university campus, multi-hospitals, emergency centers, and the operation theaters with Korea National Cyber Lab. Clinical research & updated scientific treatment for varicose vein is also his major interest. Currently, he plays the leading research as a principle investigator for multi-center data analysis for EVLT (Endo Venous Laser Treatment) since 2002. In research & education field, his team is focusing on four topics: ‘ CFD (computer fluid dynamics) analysis for cardiovascular operation, IABP, ECMO &

coronary & endovascular stenting'; 'Collaboration & education of engineering with medicine for medical students and premedical students, residents, physicians, surgeons, engineers and scientists'; ' Bidirectional real-time collaborative study, research, education, clinical performance among multiple, remote universities, hospital, and research laboratories via KREONET for critical patients'; finally, 'National estimation & education for IRB & medical ethics of clinical trials in Korea'.