

Title : Clinical pathology, medical collaboration

Subtitle : What I want to do internationally as a clinical pathologist

Name (Seo young Shim, Sun hyeon Park, Gyuri Kim, Ji won Yoon, Jun seong Hyeon,
Ji won Jung, Ye young Jung, Su mi Yang, Won gi Cho, Yoo na Lee)

Affiliation : Daegu Haany University)

As exchanges between countries increase with the development of transportation, diseases that have occurred in one country are rapidly spreading to other countries. This is expanding to infectious diseases and cancer and heart diseases, which have a high incidence worldwide. Therefore, the role of clinical pathologists is increasing in preventing and diagnosing diseases and contributing to treatment. We would like to present medical collaboration in which clinical pathologists from various countries interact and study internationally. The biggest purpose of the medical collaboration is to establish in-vitro diagnostic standards for common worldwide diseases and to establish a one-stop system that can diagnose global diseases through a unified standard. To prepare for this, through continuous international conferences and academic conferences, we nurture talents needed for the future and acquire qualifications to advance internationally through obtaining a clinical pathologist's license and international qualifications (IAC, RDCS, etc.). After going through this process, the research areas we want to proceed with are cancer, cardiovascular disease, and medical service. 1. In cancer, after obtaining the IAC, we want to conduct research related to cancer cells, and to contribute to increasing the rate of early diagnosis of cancer by observing cancer tissues by period or region and tracking them with big data. In particular, we intend to study the immunity-related resistance and anticancer treatment of lung cancer, the world's number one cancer ranking. 2. In cardiovascular disease, POCT, which detects an increase in the concentration of a chemical substance by a fluorescence immunological method, is currently used. This study aims to supplement the sensitivity and accuracy of the current POCT by studying various chemicals used in the diagnosis of cardiovascular diseases. In addition, we intend to study echocardiography, which is one of the diagnostic methods for cardiovascular disease after RDCS acquisition. Through this, we aim to contribute to the diagnosis and treatment of cardiovascular diseases by providing more specialized medical services to patients and striving to acquire the latest medical information. Finally, in medical service, the system of Korea, which visits institutions to collect samples, analyzes and diagnoses at specialized medical institutions, and informs them of their health status, will be applied internationally. Therefore, we thought about Internationally Visiting Medical Services based on international qualifications. A place that uses medical devices that are used at home but are not properly controlled, and a place where a professional diagnosis cannot be performed because there is no medical institution, we want to contribute to communication and diagnosis by going directly to the place. Although the work of clinical pathologists has become important internationally, the boundaries of their jobs differ slightly from country to country. So we have to be more professional, with qualifications to avoid conflicts. It is necessary to establish a leading model of diagnostic medicine with a common diagnostic system internationally and rapid and accurate for disease prevention and treatment through it. This is expected to contribute a lot to the diagnosis and treatment of global diseases.