

シンポジウム

第11回 瀬戸内国際臨床試験カンファレンス

テーマ 医療機器の研究開発の推進とアカデミア・医療機関の役割

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The 11st Setouchi International Conference on Clinical Trials Development for new medical devices and the contribution of academia and medical institutions

Organizers :

Shigeru Kageyama (Division of Clinical Pharmacology and Therapeutics, The Jikei University School of Medicine)
 Masahiro Nomoto (Department of Therapeutic Medicine, Ehime University Graduate School of Medicine *)
 Hiroaki Araki (Division of Pharmacy, Ehime University Hospital)
 Kyoichi Ohashi (Department of Clinical Pharmacology and Therapeutics, Oita University Faculty of Medicine)
 Tetsuya Nakamura (Clinical Investigation and Research Unit, Gunma University Hospital)
 Organized by : Clinical Research Trial Center, Ehime University Hospital
 (Saturday, October 20, 2012, Nigatatsu-Kaikan, Ehime, Japan)

Abstract

Development of medical devices has markedly contributed to the progress of medicine. Gastrocamera, colonoscope, stentgraft of coronary, thoracic or abdominal arteries, MRI, PET, artificial joint replacements for hip or knee, deep brain stimulation for the brain, pacemaker for the heart, many surgical instruments and the electroencephalogram have made dramatic contributions to the improved prognosis of treated patients. Mr. Takae gave a talk on the quicker way for the development of medical devices. Dr. Yamamoto mentioned the system in the hospital to develop medical instruments for the heart. Prof Miura took up the development of the artificial knee joint. Ms. Tanioka gave a talk on the development of the artificial knee joint made of their advanced material. Prof Kageyama talked about the new devices to measure the blood concentration of glucose and the history of The Jikei University School of Medicine, and the first clinical trial in the world. Mr. Nankai gave a talk on their developing medical devices to measure the blood concentration of glucose. Prof Sawa gave a lecture on the development of the cataract lens and contact lens in the world and Japan. Mr. Fukuzawa mentioned the different systems of the medical device agency in various countries.

The clinical trial teams in the hospital take charge of clinical trials for drugs, and they also are expected to contribute to the development of medical devices. Japan has developed gastrocameras or colonoscopies and is supplying them all over the world; however, Japan is a one of the biggest consumer nations for medical devices and has a deficit of 600 billion yen on the balance of international accounts every year. I hope this meeting may contribute to the participants being able to develop more medical instruments and to contribute to the health of people in the world.

Key words

medical devices development, academia, medical institution, contribution

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