

Day 2: 15:35 – 15:50

Raising clinical research awareness as early as at medical school:

“Is it necessary? Is it the time?” - Mahidol University efforts, thoughts and opinion-



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Short CV

Dr. Apichat Asavamongkolkul is now the Professor and Dean of Faculty of Medicine Siriraj Hospital (2022 – present), Deputy Dean in administration at Faculty of Medicine Siriraj Hospital, Mahidol University (December 2014-present). He graduated his Doctor of Medicine from Faculty of Medicine Siriraj Hospital in 1987. He was one of the founders of Siriraj Musculoskeletal Tumor Board which the first multidisciplinary meeting begun in 1996 after finishing his fellowship in musculoskeletal oncology from University of California, Los Angeles.

He was a pioneer in musculoskeletal oncology field of Thailand who brought the techniques of limb salvage surgery to help patients with bone and soft-tissue tumor. Many clinical studies involving clinical outcomes in each reconstruction such as autogenous bone graft, allograft or tumor prosthesis were published. His clinical studies attract young orthopaedic surgeons who would like to be an orthopaedic oncologist.

Furthermore, he has more than 40 English and 15 textbook chapter publications regarding tumor biology, tumor surgery and tumor reconstruction. His recent textbook “**Bone and Soft-tissue Tumors**” has been awarded as “The Excellent Textbook in 2014” from Faculty Medicine Siriraj Hospital and also from Mahidol University. Faculty of Medicine Siriraj Hospital presents “Siriraj Honor Award” to Dr. Apichat in 2014 and 2016.

Abstract

Clinical research professionals are responsible for medical advancements that improve patient care and quality of life. The global market value of clinical trials was placed at 47.5-83.5 billion US dollars by 2030, with a 5.4-5.7% compound annual growth rate (CAGR) between 2020 and 2030. The global clinical staff market value was placed at 7.04 billion US dollars in 2022, with a 7.5-8.0% CAGR between 2020 and 2026. The demand for novel, innovative research exceeds the supply of competent clinical researchers worldwide due to decreasing accrual rates, high turnover rates, and a paucity of young investigators. This is further exacerbated in Thailand by limited clinical training and an inability of academia to compete with industries or contract research organizations in attracting and retaining clinical research professionals. Robust regulatory environments, investments towards educational training programs, competitive compensation, funding, and collaborative efforts with government and private clinical research stakeholders are necessary to acquire clinical research professionals and encourage medical staff – particularly nurses, pharmacists, and technicians – to pursue clinical research tracks. The Siriraj Institute of Clinical Research (SICRES) is an academic clinical research institute under the Faculty of Medicine Siriraj Hospital, Mahidol University that provides training for research staff at all levels. It performs phase I to IV clinical trial design and management using experienced investigators and highly trained staff. The work done at SICRES is integrated with partners from both private and public sectors. Synchronous collaboration among regulatory authorities, private companies, and academic research institutes is required to attract and retain clinical research professionals in Thailand.