

Chulalongkorn Medical Journal

www.clmjournal.org

First Editor: Chalia Vajrabukka

Emeritus Editors: Kasem Jitpatima, Vichai Poshyachinda, Supawat Chutivongse, Kanok Bunyaratavej, Manit Limpaphayom, Saowanee Chumdermpadetsuk, Sek Aksaranugraha, Soottiporn Chittmittrapap, Thewarug Werawatganon

Executive Editor: Suttipong Wacharasindhu

Advisory Board

Yong Poovorawan
Somchai Eiam-Ong
Thewarug Werawatganon
Apiwat Mutrirangura
Vorasuk Shotelersuk

Faculty of Medicine, Chulalongkorn University, Thailand
Faculty of Medicine, Chulalongkorn University, Thailand

Editor-in-Chief

Sittisak Honsawek

Faculty of Medicine, Chulalongkorn University, Thailand

Editorial Board

Cornelius Bondzi
Somrat Charuluxananan
Chew Weng Cheng
Teeraporn Chinchai
Maria C. de Andres Gonzalez
Steven Edwards
Prachya Kongtawelert
Baldur Kristjánsson
Wilairat Leeansaksiri
Shude Li
Di Lu
Thomas Mabey
Claudio Migliaresi
Jai Hyung Park
Javad Parvizi
Suthiluk Patumraj
Chalinee Ronpirin
Surasak Sangkhathat
Korbtham Sathirakul
Jorge A Sosa-Melgarejo
Kenji Suzuki
Atsushi Takahashi
Kazuhisa Takahashi
Masatoshi Takeda
Aree Tanavalee
Mana Taweevisit
Vo Duy Thong
Lloyd Wolfinbarger, Jr.
Hala Zreiqat

Hampton University, USA
Faculty of Medicine, Chulalongkorn University, Thailand
University of Leeds, UK
Faculty of Medicine, Srinakharinwirot University, Thailand
University of Southampton, UK
University of Liverpool, UK
Faculty of Medicine, Chiang Mai University, Thailand
University of Iceland, Iceland
Suranaree University of Technology, Thailand
Kunming Medical University, China
Kunming Medical University, China
University of Southampton, UK
University of Trento, Italy
Sungkyunkwan University, Korea
Thomas Jefferson University, USA
Faculty of Medicine, Chulalongkorn University, Thailand
Faculty of Medicine, Thammasart University, Thailand
Faculty of Medicine, Prince of Songkhla University, Thailand
Faculty of Pharmacy, Mahidol University, Thailand
Centro Médico Nacional Siglo XXI, Mexico
Juntendo University, School of Medicine, Japan
Tohoku University, Japan
Juntendo University, School of Medicine, Japan
Osaka University, Japan
Faculty of Medicine, Chulalongkorn University, Thailand
Faculty of Medicine, Chulalongkorn University, Thailand
University of Medicine and Pharmacy at HCMC, Vietnam
Old Dominion University, USA
University of Sydney, Australia

Managing Editor

Araya Suwannarit

Faculty of Medicine, Chulalongkorn University, Thailand