

# JOURNAL OF MEDICAL RESEARCH

## EDITOR - IN - CHIEF

Prof. Ta Thanh Van, MD., PhD.

## ASSOCIATE EDITOR - IN - CHIEF

Assoc. Prof. Le Minh Giang, MD., PhD.

Assoc. Prof. Tran Huy Thinh, MD., PhD.

## STANDING EDITOR

Nguyen Thanh Binh, MD., PhD.

## EDITORIAL BOARD

Prof. Le Thi Huong, MD., PhD.	Assoc. Prof. Mattias Larsson, MD., PhD.
Prof. Masamitsu Yamaguchi, MD., PhD.	Assoc. Prof. Tran Bao Long, MD., PhD.
Assoc. Prof. Nguyen Xuan Hoi, MD., PhD.	Assoc. Prof. Nguyen Khang Son, MD., PhD.
Assoc. Prof. Nguyen Van Huy, MD., PhD.	Assoc. Prof. Nguyen Linh Toan, MD., PhD.
Assoc. Prof. Vu Thi Thanh Huyen, MD., PhD.	Assoc. Prof. Hoang Dao Bao Tram, MD., PhD.
Assoc. Prof. Pham Minh Khue, MD., PhD.	Nguyen Trong Binh, PhD.

## EDITORIAL SECRETARIAT

Hoang Yen, MPH.

Pham Thi Thanh Tan, MD.

## ENGLISH EDITOR

Eric Ardman

## DESIGNERS

Tran Thi Hoa, MPH.

Nguyen Khac Huong

## EDITORIAL OFFICE

Department of Science and Technology Management

Room 426, A1 building, Hanoi Medical University

No 1, Ton That Tung, Dong Da, Hanoi - Vietnam

Tel: (+84) 243. 853 7622

Email: [tapchinghiencuuyhoc@hmu.edu.vn](mailto:tapchinghiencuuyhoc@hmu.edu.vn)

Website: <http://tapchinghiencuuyhoc.vn>

This journal is published under the approval of Ministry of Information and Communications,

No 425/GP-BTTTT dated 26/08/2016

Designed by Department of Science and Technology Management, Hanoi Medical University

Printed by Ngoc Tram Joint Stock Company

Address: P107 - E8, Thanh Xuan Bac, Thanh Xuan, Hanoi. Tel: (024).35133795.

Copyright deposit in December, 2019

**JOURNAL OF MEDICAL RESEARCH**  
**Volume 124 E5 N°8**

**HANOI - 12/2019**