Review Article

Physiochemical property of opioids and spinal analgesia

Rakesh Kumari*, Pallavi Sharma2
1School of Pharmacy, The Hebrew University, Ein Karem, Jerusalem, Israel.
2Division of ECD, Indian Council of Medical Research, New Delhi, India.

Abstract

It has been more than two decades since neuraxial opioids first underwent rigorous clinical study for use in humans. The intraspinal route of administration is now commonly used to administer anesthetics and analgesics. Addition of opioids to intraspinal administered local anesthetic provides an effective and prolonged analgesia. However, the physiochemical properties of opioids may influence the onset and duration of opioid analgesia.

Key Words: Spinal administration, opioids, hydrophilic, lipophilic, analgesia.

*Corresponding Author: Rakesh Kumar, Ph.D., Rm No. 231, The Institute for Drug Research (IDR), The School of Pharmacy, Faculty of Medicine, The Hebrew University, Ein Karem, Jerusalem, ISRAEL, 91120. E-Mail-rakeshpandey12@gmail.com