

Abstract

This bachelor thesis deals with gathering the information regarding the clinical importance of opioid drugs, particularly morphine and methadone, and their mechanism of action. Awareness of health professionals and the general public on opioid is inadequate. This evokes unnecessary anxiety of uninformed patients by the treatment of this kind of drugs. This thesis contains information that should know each worker in the health sector. It deals with pharmacodynamics, which is important for understanding the effects of drugs, both biochemical and physiological as well as pharmacokinetics, which describes how the body compensates for the delivered drug. Usage of morphine and methadone is currently irreplaceable. Morphine is a strong analgesic effective control of pain of different origin. Methadone is used for the substitutive treatment of people addicted to opioids. The side effects occurring during the treatment with opioids are acceptable with regard to severe pain, which is attenuated by opioids.