

Transdermal drug delivery system

Fremiot J Mascarenhas

Bhavnagar Medical Association,
India

Transdermal drug delivery refers to a system in which a fixed amount of drug is delivered across the skin over a period of time to the bloodstream so as to maintain a therapeutic level of that drug. This method of drug delivery is painless and has excellent compliance in both pediatric and geriatric age group as it is pain-free and hassle free and does not need

any specialized equipment for its use. Transdermal method of drug delivery has a great many advantages over other conventional routes of drug administration such as oral, intramuscular, intravenous. Medication applied in form of a fixed-dose adhesive patch that is applied to the skin surface and is absorbed through the pores of the skin and delivered in the bloodstream in a controlled way. The main objective of this painless route of administering a drug is to provide a therapeutic dose level of drug in the bloodstream with the minimal patient to patient

variation while limiting the side effects if the same were to be administered by any other route.

Biography

Fremiot J Mascarenhas, Qualifications: MBBS. From M. P. Shah Medical College, Jamnagar. Diploma in Anaesthesiology from M.P.Shah Medical College, Jamnagar. Currently practicing as a consultant Anaesthesiologist in city of Bhavnagar, Gujarat, India since last 25 years. The main field of interest are laparoscopy and Bariatric Anaesthesia and postoperative pain relief Post held: Secretary, Bhavnagar Anaesthesiologist' Association from 2011 to 2017. Presently Hon. Secretary, Bhavnagar Medical Association from 2015. Successfully Organized West Zone Anaesthesia Conference-ISACONGUJARAT2016 at Bhavnagar as Organizing Secretary.

drfremiot@hotmail.com