

A Brief Review on Transdermal Patches

Sakshi Ankush Sonawane and Prof. Gaikwad Shital

Samarth Institute of Pharmacy, Belhe, Maharashtra, India
sonawanesakshi28@gmail.com

Abstract: *Transdermal drug delivery systems are a convenient way to administer medication. They use an adhesive patch to deliver medication through the skin and into the bloodstream. The patch provides a controlled release of medication and promotes healing. However, only medications with small molecules can be easily absorbed through the skin. This article provides an overview of transdermal patches, including their types, preparation methods, and efficacy factors.*

Keywords: Transdermal drug delivery system; Hydrin rubber; Silicon rubber; Polyvinylalcohol; Transdermal patch; Polyvinylchloride; Di-Nbutylphthalate; Triethylcitrate.

Abbreviations: PE: Polyethylene; EVAC: Ethylene Vinyl Acetate Copolymer; PSA: Pressure Sensitive Adhesive

REFERENCES

- [1]. ArtiKesarwani, Ajit Kumar Yadav, Sunil Singh, HemendraGautam, Haribansh N Singh, et al. (2013) A review-Theoretical aspects of Transdermal Drug Delivery System. Bulletin of Pharmaceutical Research.
- [2]. SampathSampath Kumar KP, DebjitBhowmik, Chiranjib B, RM Chandira (2010) A review- Transdermal Drug Delivery System- A Novel Drug Delivery System and its market scope and opportunities.
- [3]. International Journal of Pharma and Bio Sciences .Saurabh Pandey, AshutoshBadola, Ganesh Kumar Bhatt, PreetiKothiyal (2013) An Overview on Transdermal Drug Delivery System. International Journal of Pharmaceutical and Chemical sciences .
- [4]. P K Gaur, S Mishra, S Purohit, K Dave (2009) Transdermal Drug Delivery System: AReview. Asian Journal of Pharmaceutical and Clinical Research.
- [5]. Vandana Yadav, SopiaAltaf Bhai M, Mamatha Y, Prashant VV (2012) Transdermal Drug Delivery System: A Technical Writeup. Journal of Pharmaceutical & Scientific innovation .
- [6]. Nikhil Sharma, Bharat Parashar, Shalini Sharma, Uday Mahajan (2012) Blooming Pharma Industry with Transdermal Drug Delivery System. Indo Global Journal of Pharmaceutical Sciences.
- [7]. Saurabh Pandey, AshutoshBadola, Ganesh Kumar Bhatt, PreetiKothiyal An Overview on Transdermal Drug Delivery System
- [8]. International Journal of Pharmaceutical and Chemical sciences.Kamal Gandhi, AnuDahiya, Monika, Taruna Karla, Khushboo Singh Transdermal drug delivery.
- [9]. A Review.KEzhumalai, P Ilavarasan, R MuraliMugundhan, U Sathiyaraj, AN Rajalakshmi (2011) Transdermal Patches in Novel Drug Delivery System. International Journal of Pharmacy & Technology .
- [10]. Hiren J Patel, Darshan G Trivedi, Anand K Bhandari, Dushyant A Shah (2011) Penetration enhancers for Transdermal Drug Delivery System: A Review. IJPI's Journal of Pharmaceutics and Cosmetology.
- [11]. J Ashok Kumar, NikhilaPullakandam, S Lakshmana Prabhu, V Gopal (2010) Transdermal Drug Delivery System: An Overview. International Journal of Pharmaceutical Sciences Review and Research.
- [12]. Md IntakhabAlam, NawazishAlam, Vikramjit Singh, Md SarfarazAlam, Md Sajid Ali, et al. (2013) Type, Preparation and Evaluation Of Transdermal Patch: A Review. World Journal of Pharmacy and Pharmaceutical sciences.
- [13]. Archana K Gaikwad (2013) Reviewed Article, Transdermal Drug Delivery System: Formulation aspects and evaluation. Comprehensive Journal of Pharmaceutical Sciences.

- [14]. Ajay Sharma, Seema Saini, AC Rana, Transdermal Drug Delivery System: A Review. International Journal of Research in Pharmaceutical And Biomedical Sciences.
- [15]. Nikhil Sharma, Geeta Agarwal, AC Rana, Zulfiqar Ali Bhat, Dinesh Kumar (2011) A Review, Transdermal Drug Delivery System: A Tool For Novel Drug Delivery System. International Journal of Research .
- [16]. Vinod KR, Sravani P, David Banji, Teja BB, Transdermal Drug Delivery System – Overcoming Challenges of Popular Drug Delivery Systems. International journal of Pharma world researc
- [17]. Dhiman Sonia (2011) Transdermal Patches: A Recent Approach To New Drug Delivery System. International Journal of Pharmacy and Pharm.