

A Review on Nose to Brain Drug Delivery System

Miss. Vaishnavi Shankarpure^{*1}, Asst. Prof. Rajlaxmi Deolekar² and Miss Khushbu Mohurale³

Student B-PHARM, Independent Researcher, Maharashtra, India¹
M-PHARM²

Student B-PHARM, Independent Researcher, Maharashtra, India³
New Montfort Institute of Pharmacy, Ashti.

Vaishnavishankarpure39@gmail.com¹ and khushbumohurale0@gmail.com³

Abstract: *Entering into the brain is always a big challenge for the drug moieties acting on of CNS disorder. Nose-to-brain drug delivery is a new and effective way to send medicines directly to the brain through the nasal cavity. This method helps drugs reach the brain faster and avoids the blood brain barrier. Nose to brain drug delivery system is a system in which nasal route provides a rapid and efficient pathway for drug transport directly to brain through olfactory and trigeminal nerves. It offers rapid onset of action improved patient compliance. It is a non-invasive, painless, and quick method that can be very helpful in treating brain diseases like Alzheimer's, Parkinson's, and brain tumors etc. The nose to brain drug delivery has proven its worth by the presence of many commercially successful product.*

Keywords: BBB (Blood Brain Barrier), Neurological Disease, Alzheimer's Disease Parkinson's disease.

