CHAPTER 6

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The intra nasal microemulsions developed in this study can be used as a promising tool for treatment of epilepsy. This study conclusively demonstrate that microemulsion based intranasal delivery system could be very useful and promising tool for treatment of CNS disease like epilepsy, migraine, Alzheimer, brain stroke etc. This type of delivery system could maximize therapeutic benefit of medicament with minimum adverse effect. It is needless to say that the intra nasal microemulsion with all its inherent advantages has been heralded as the most promising means to deliver drugs to the CNS in the near future.

In addition to the present work further evaluation can be done with respect to ability of drug to retain in particular site of brain to achieve maximum therapeutic benefits of this type of delivery system. More suitable device can be developed in future to maximize the delivery of formulation to olfactory region. Further attachment of receptor epitomes and antigens with drug dissolved in microemulsion can provide a means for enhanced delivery to selective regions of the CNS after transnasal administration. However, role of the intranasal microemulsions developed in these investigations can only be realized after through clinical trials.