

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai

Approved by Pharmacy Council of India, New Delhi.

Coimbatore -641035



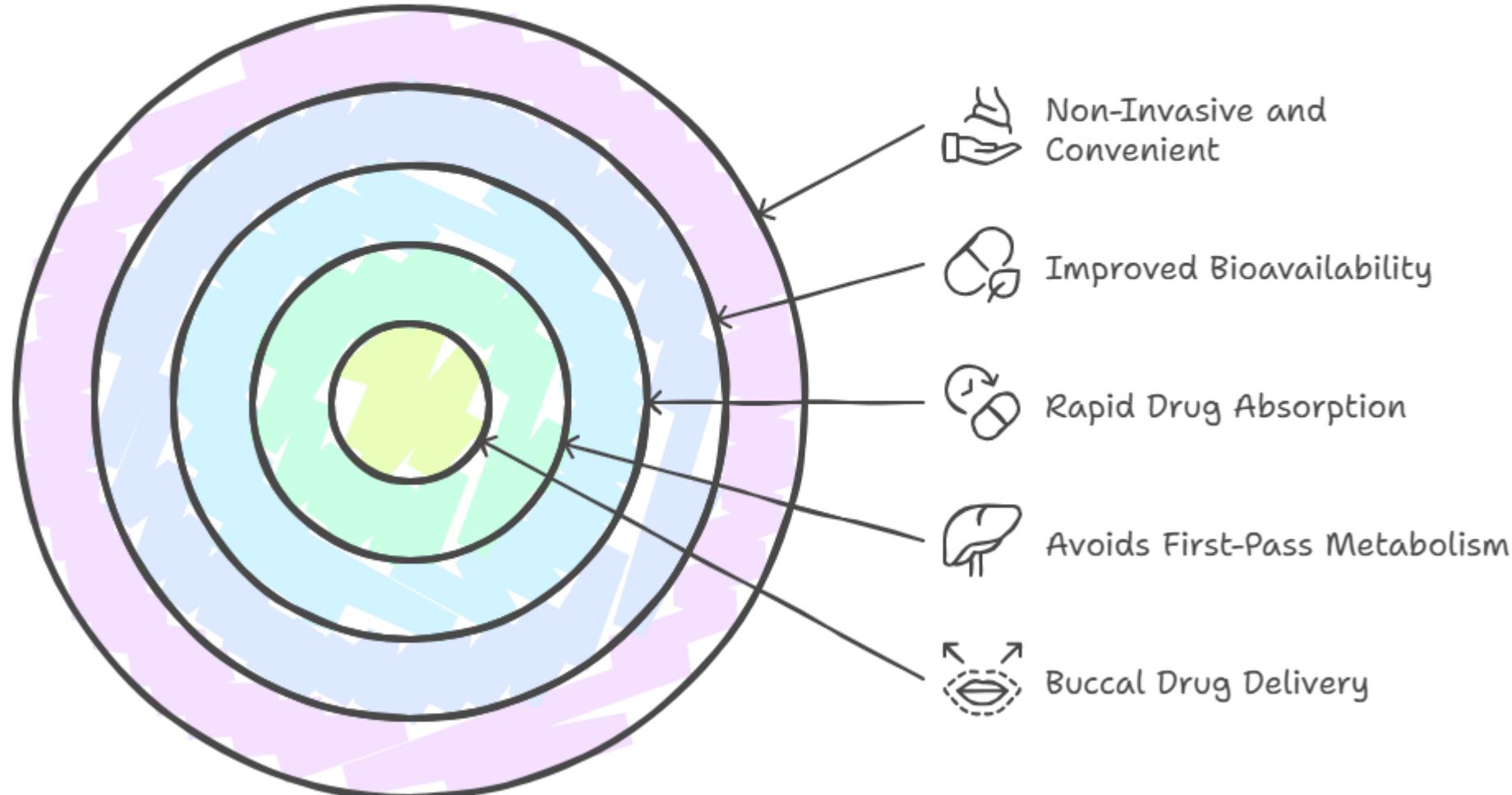
COURSE NAME : NOVEL DRUG DELIVERY SYSTEM (BP 706 T)

VII SEM / IV YEAR

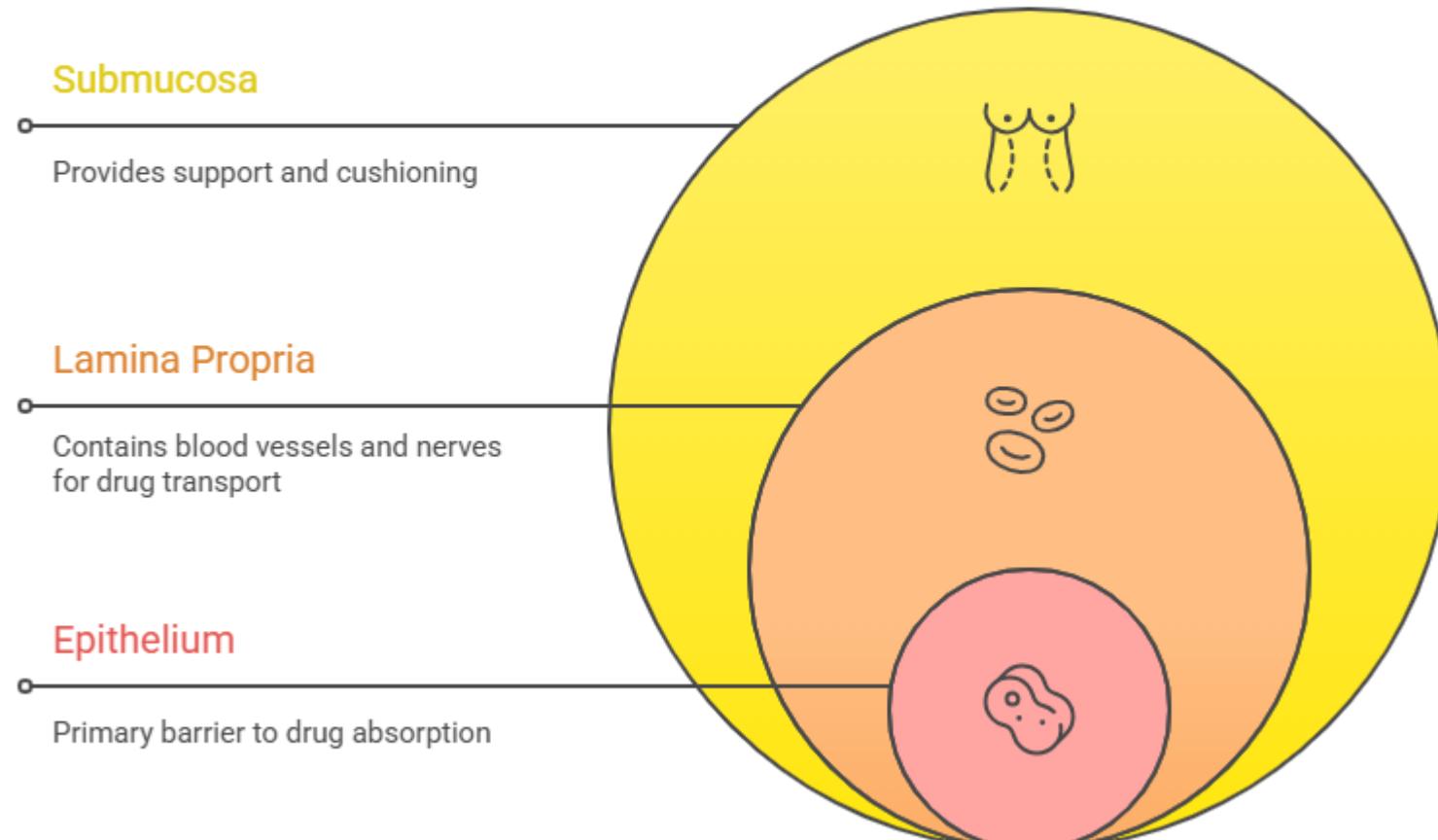
UNIT -2

TOPIC 2 :BUCCAL DRUG DELIVERY SYSTEM

INTRODUCTION TO BUCCAL DRUG DELIVERY

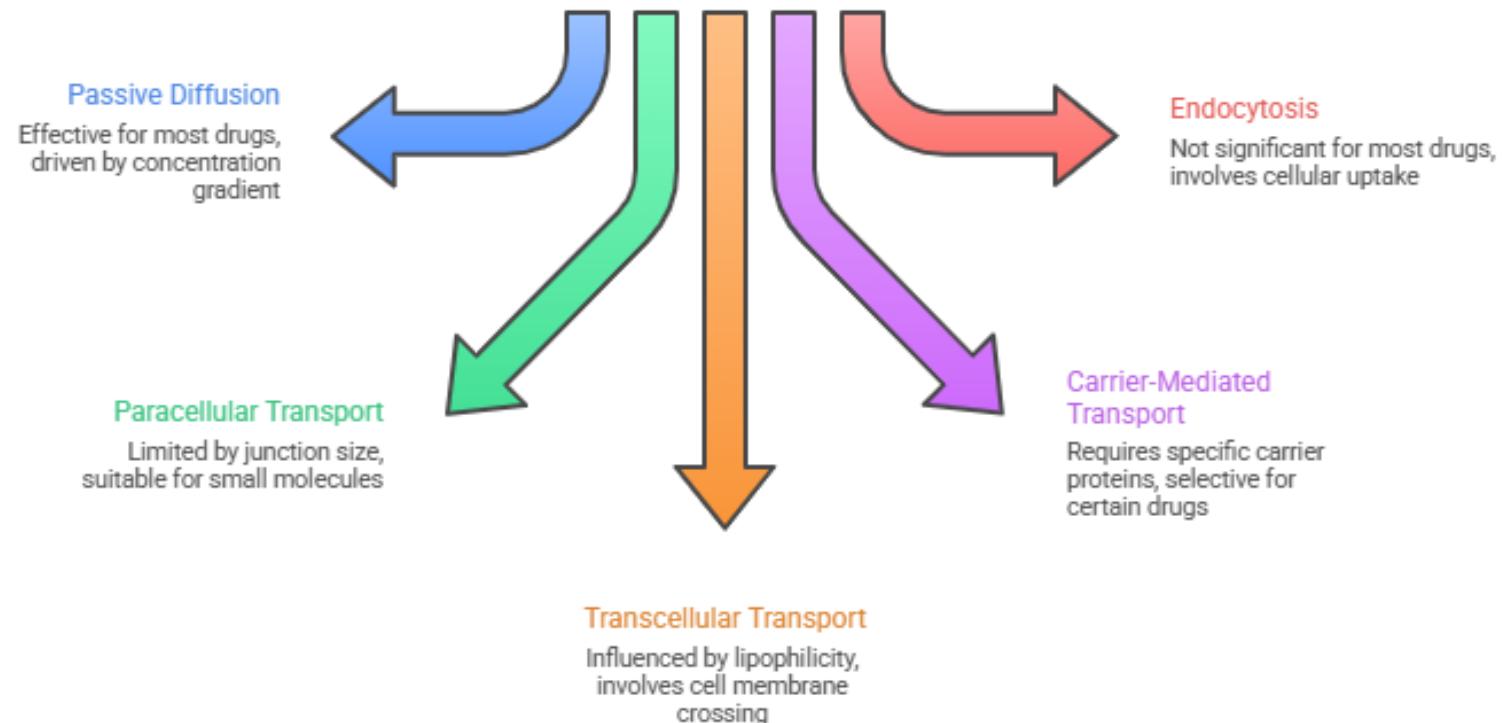


Anatomy of buccal mucosa



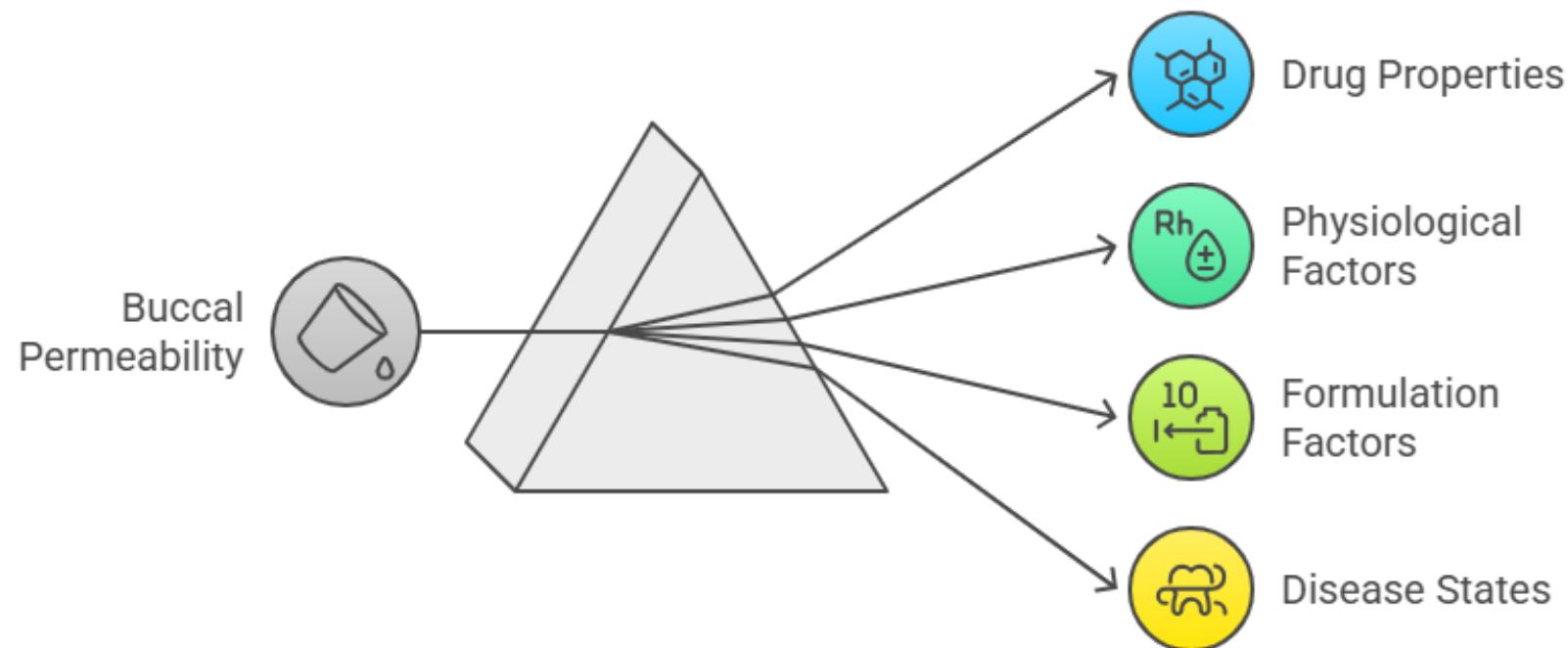
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Mechanisms of Drug Transport Across the Buccal Mucosa



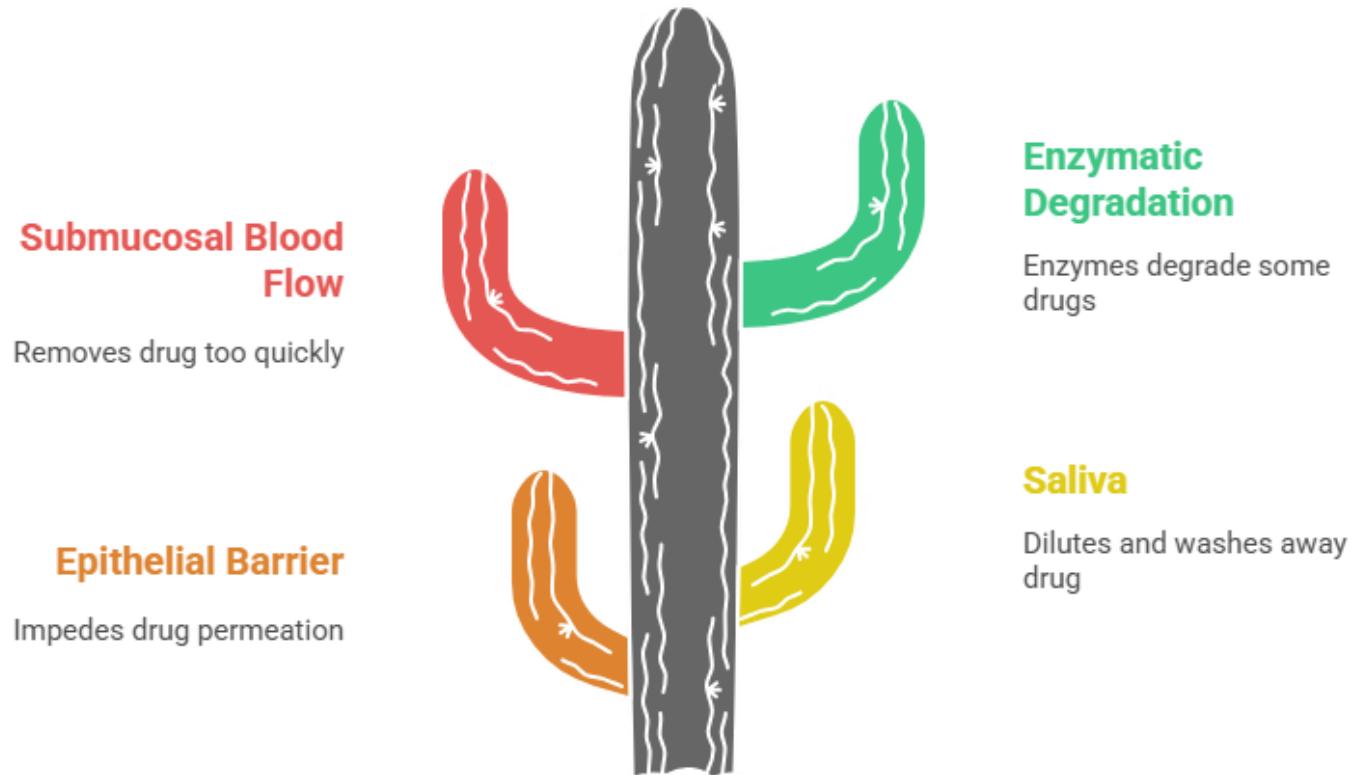
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Factors Influencing Buccal Permeability

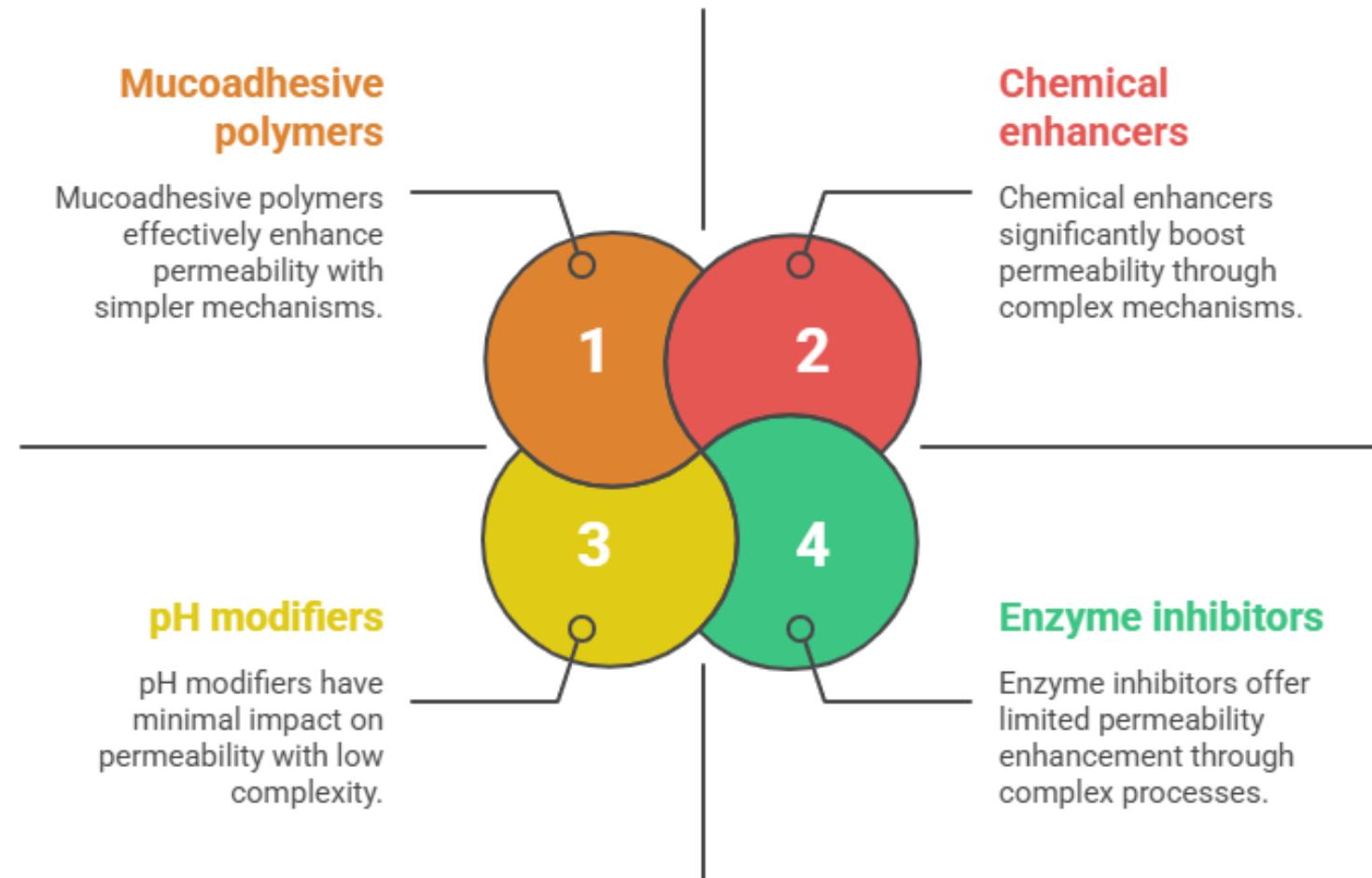


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Buccal Drug Absorption Barriers

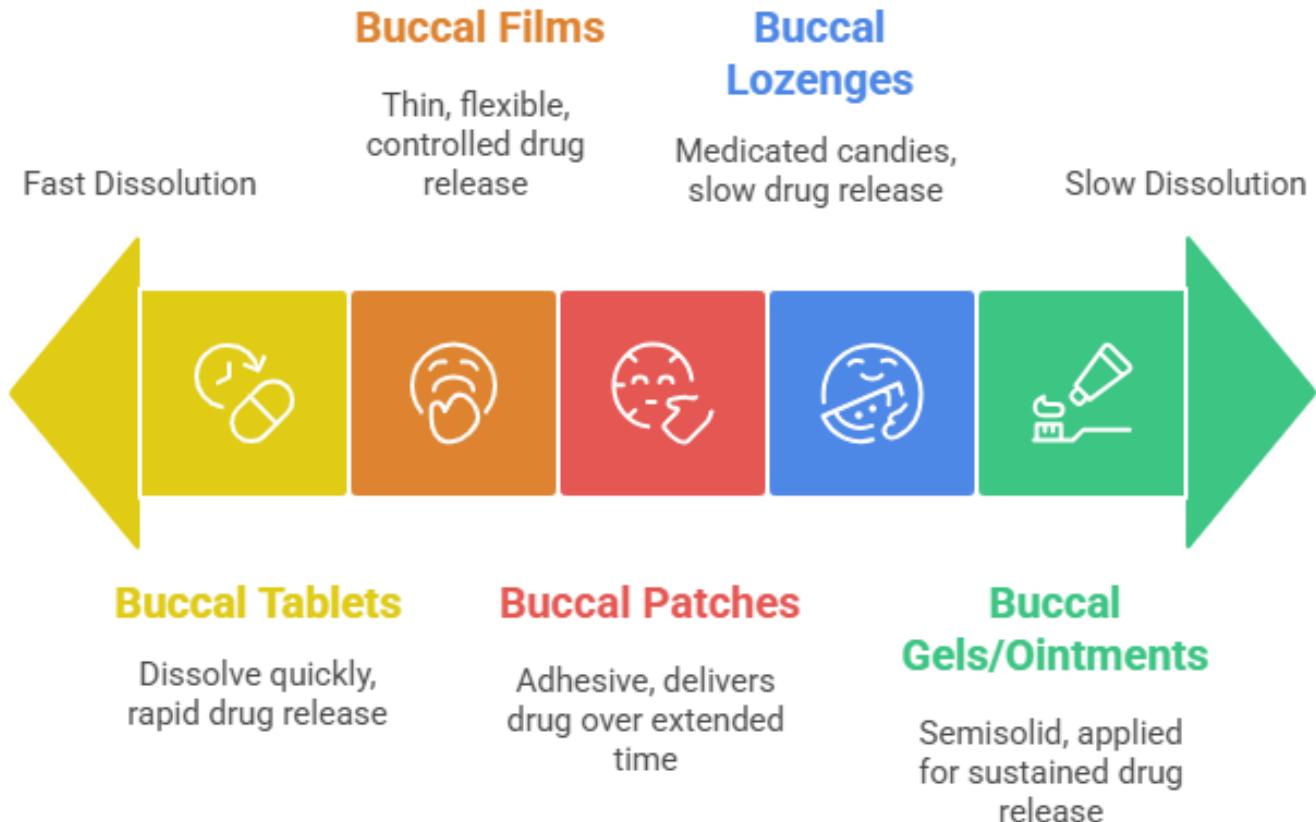


Permeation Enhancement Strategies for Buccal Drug Delivery



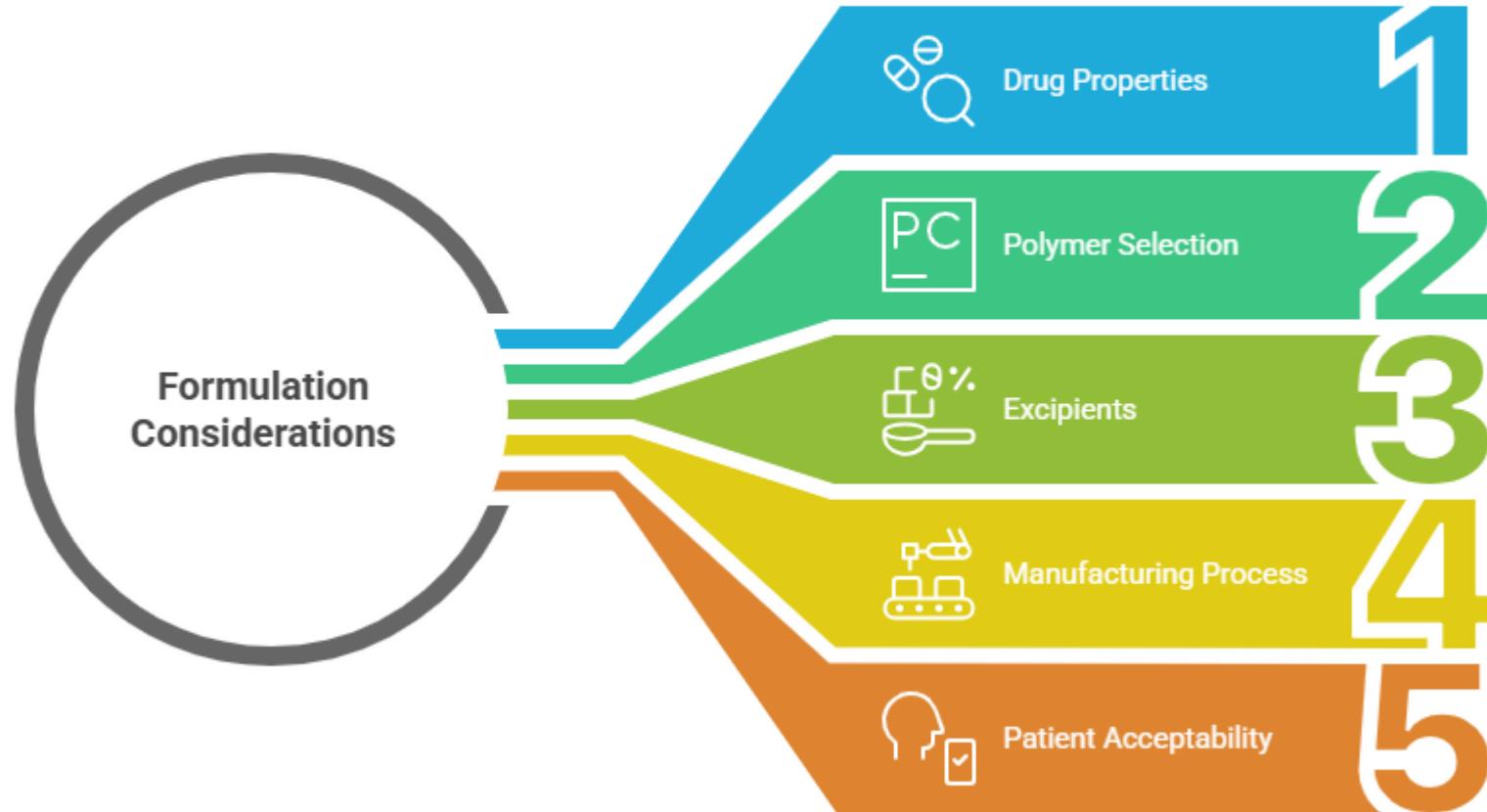
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Buccal dosage forms



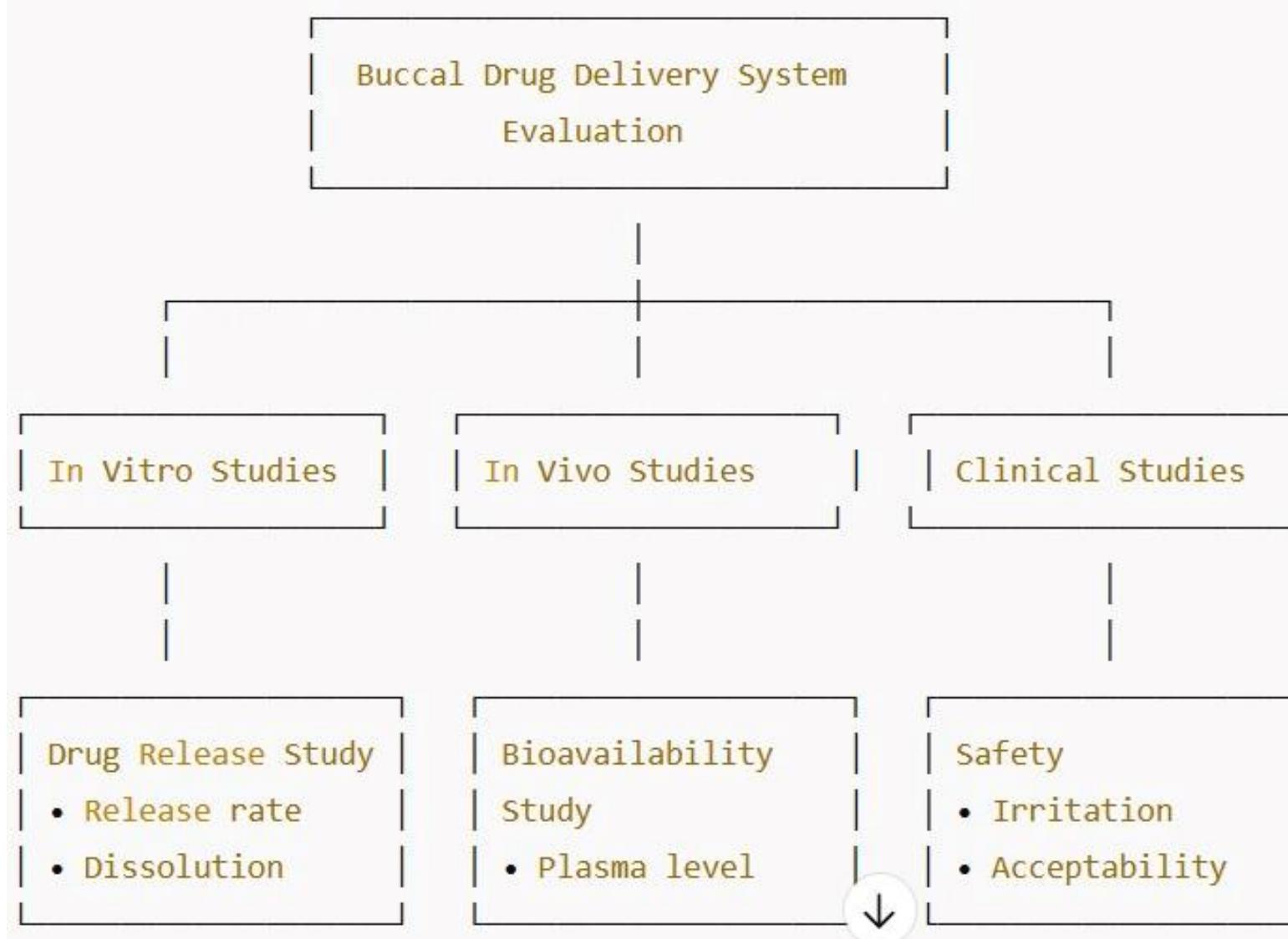
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Unveiling Formulation Considerations for Buccal Delivery



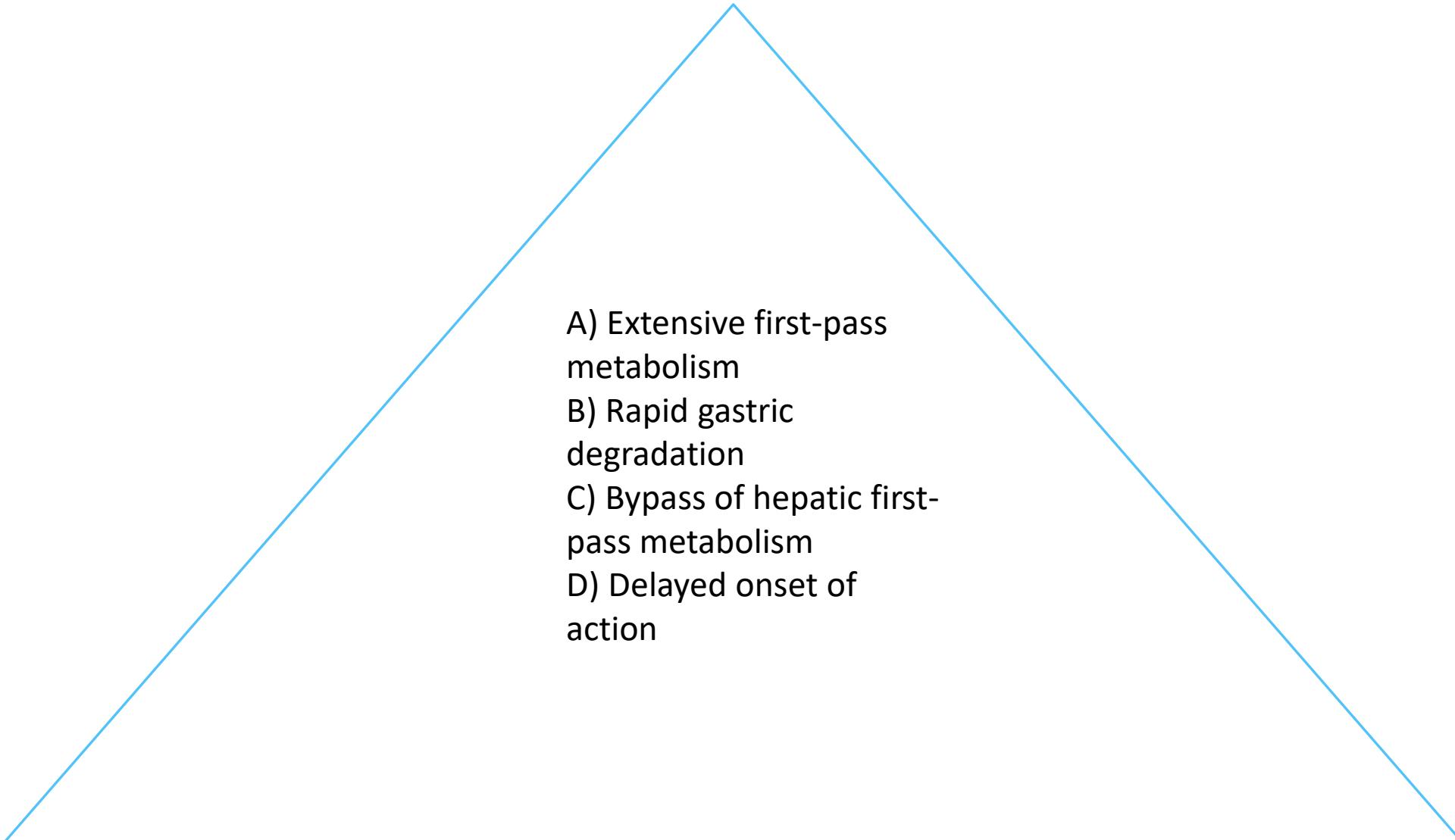
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SUMMARY



1. Which of the following is a major advantage of buccal drug delivery?

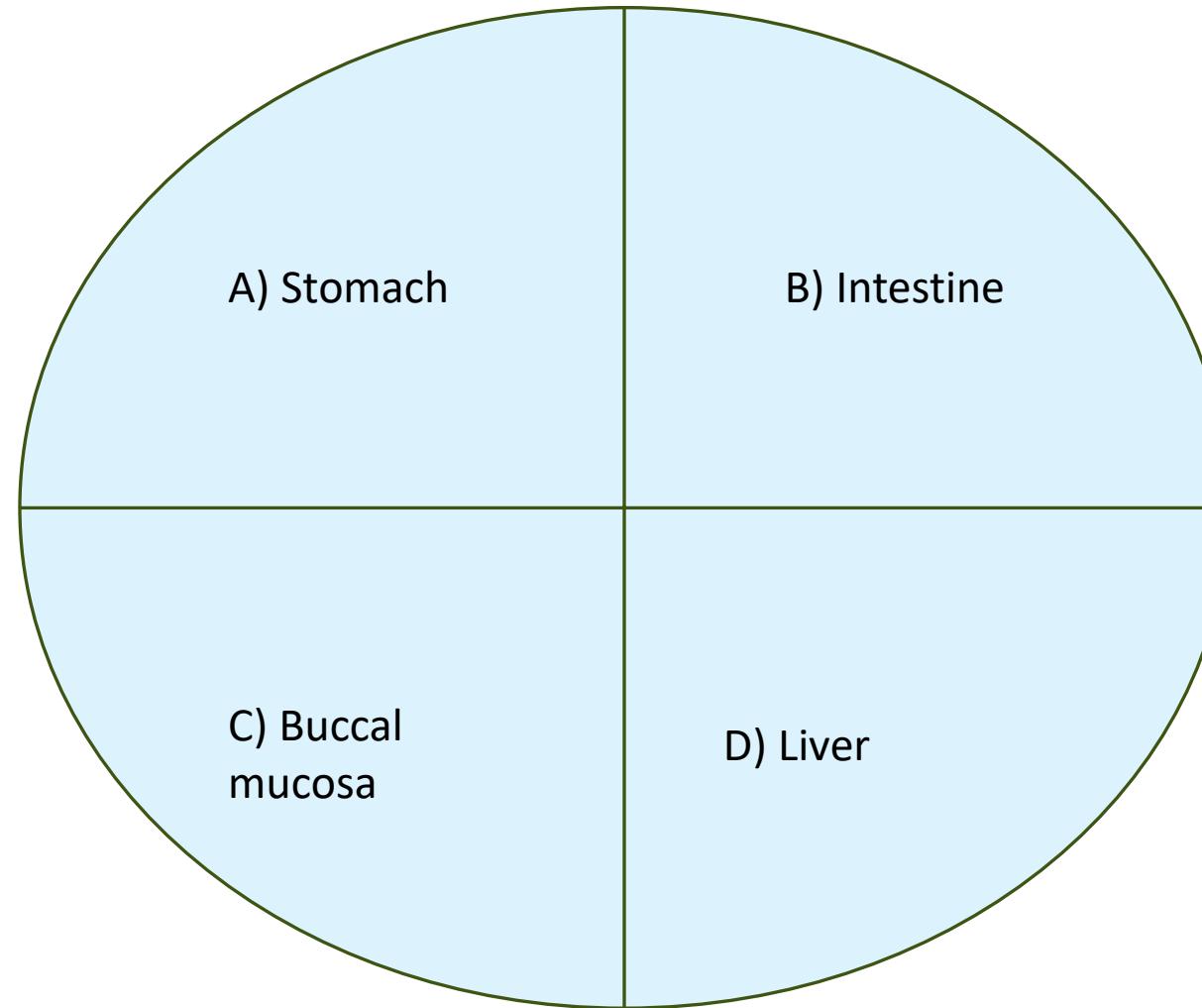




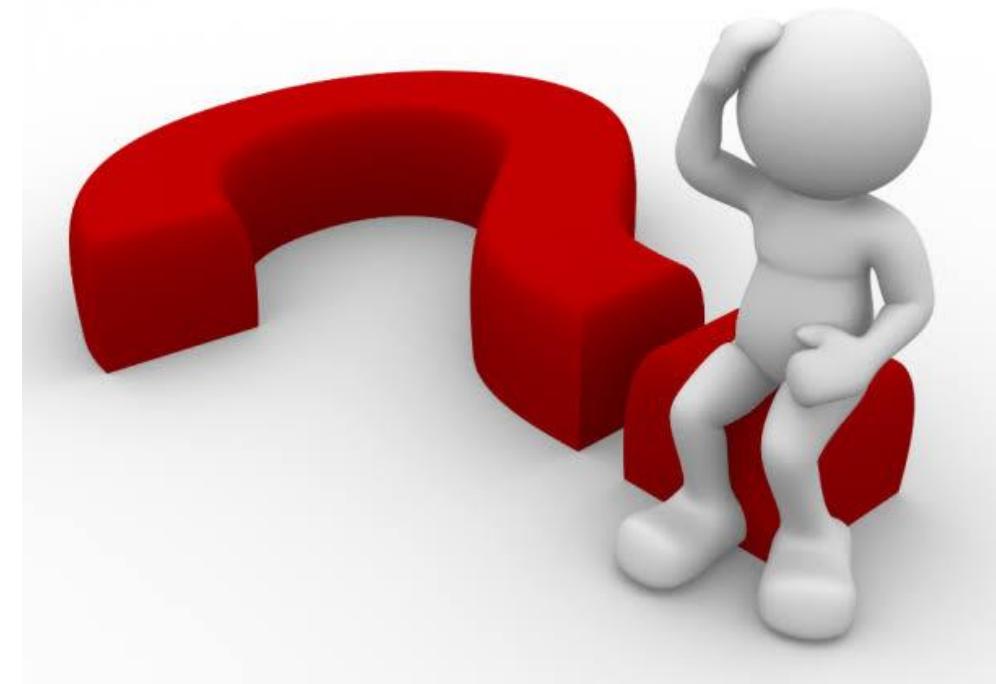
- A) Extensive first-pass metabolism
- B) Rapid gastric degradation
- C) Bypass of hepatic first-pass metabolism
- D) Delayed onset of action

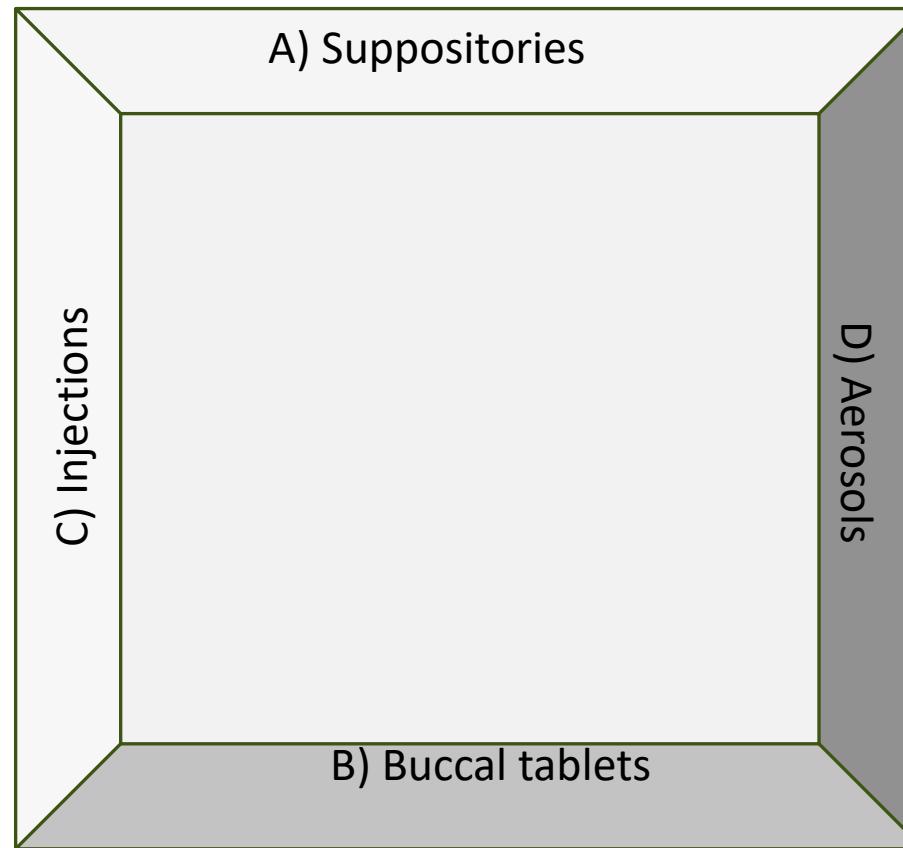
The primary site for buccal drug absorption is





Which type of dosage form is commonly used in buccal drug delivery?





REFERENCES

1. Yie W. Chien: Novel Drug Delivery Systems, Second Edition, Marcel Dekker, Inc, 1992 Pg no.816.
2. Joseph R. Robinson: Sustained and Controlled Release Drug Delivery Systems, First edition, Volume 6, Marcel Dekker, Inc, 1986, pg.618.
3. <https://www.sciencedirect.com/journal/journal-of-controlled-release>
4. <https://www.tandfonline.com/doi/full/10.1080/10837450.2018.1534376>
5. <https://www.scribd.com/document/668313752/Controlled-and-Novel-Drug-Delivery-by-N-K-Jain-1st-Editn-Reprint>

THANK YOU