

Classification of the Routes of Drug Administration

- **Enteral:**
 - Oral
 - Sublingual Administration
 - Rectal Administration
- **Parenteral Injection:**
 - Intravenous (IV)
 - Intramuscular (IM)
 - Subcutaneous (SC)
 - Intraarterial
 - Intrathecal/intraventricular

Classification of the Routes of Drug Administration.....Cntd

- **Other Routes:**
 - **Inhalation**
 - **Intranasal**
 - **Transdermal**
 - **Topical Application:**
 - **Mucous Membranes**
 - **Skin**
 - **Eye**

Enteral Routes

The Oral (Per Os, PO):

- The most common route
- Most variable and requires the most complicated pathway to tissues
- Some drugs are absorbed from the stomach However, the duodenum is the major site of absorption
- Absorbed drugs enter the liver through the portal circulation before they are distributed in the general circulation: **First-pass metabolism**

First-pass metabolism by intestine or liver limits the