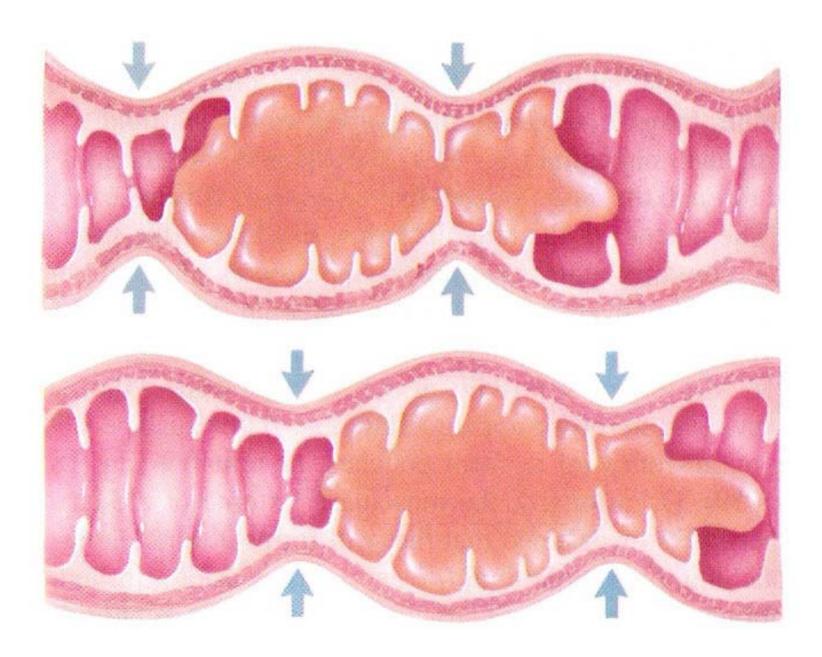
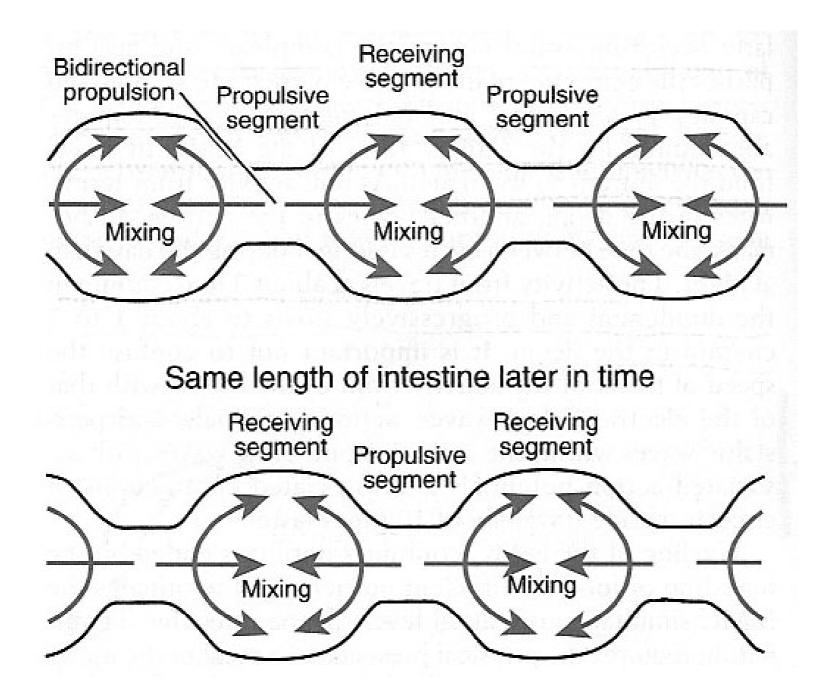
Motility in the Small Intestine

Dr. Mohammed Alzoghaibi

Types of movements in GI tract

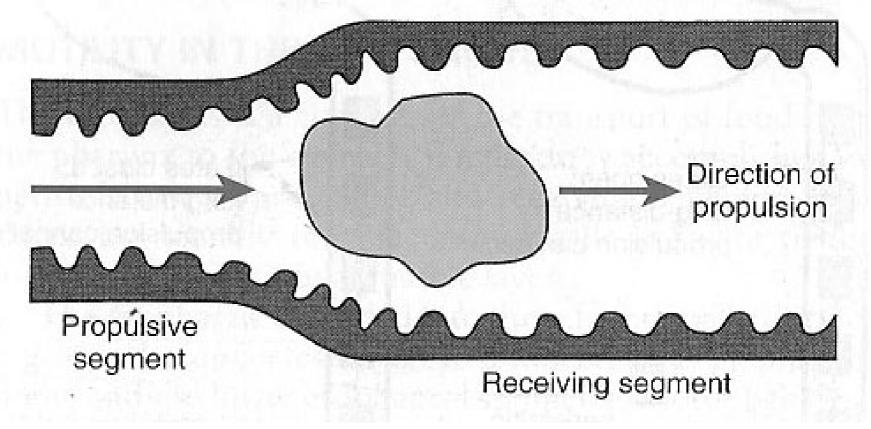
- Propulsive movement
- Organizes propulsion of material over variable distances within the intestinal lumen
- Usual stimulus is distention
- Myenteric plexus is important
- Atropine (cholinergic blocker) depresses propulsis
- Receiving segment---contraction (longitudinal M.) ---relaxation (circular M.)
- Propulsive segment ---contraction (circular M.) ----relaxation (longitudinal M.)





Relaxation of longitudinal muscle; contraction of circular muscle

Contraction of longitudinal muscle; inhibition of circular muscle



Types of movements in GI tract (cont'd)

- Mixing movements (segmentation)
- Blend different juices with the chyme
- Bring products of digestion in contact with absorptive surfaces