HOẠT ĐỘNG CƠ HỌC

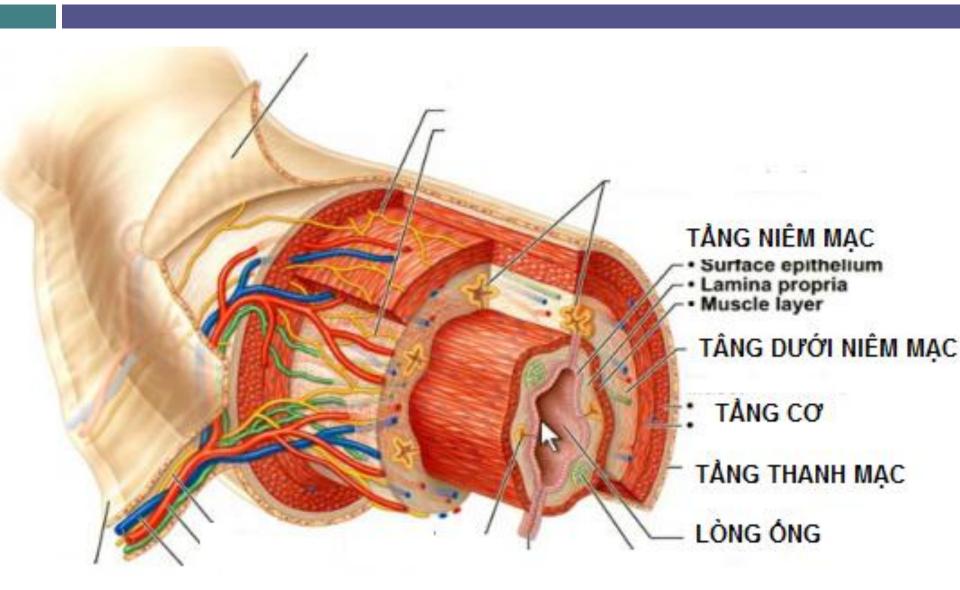
BS Nguyễn Bình Thư

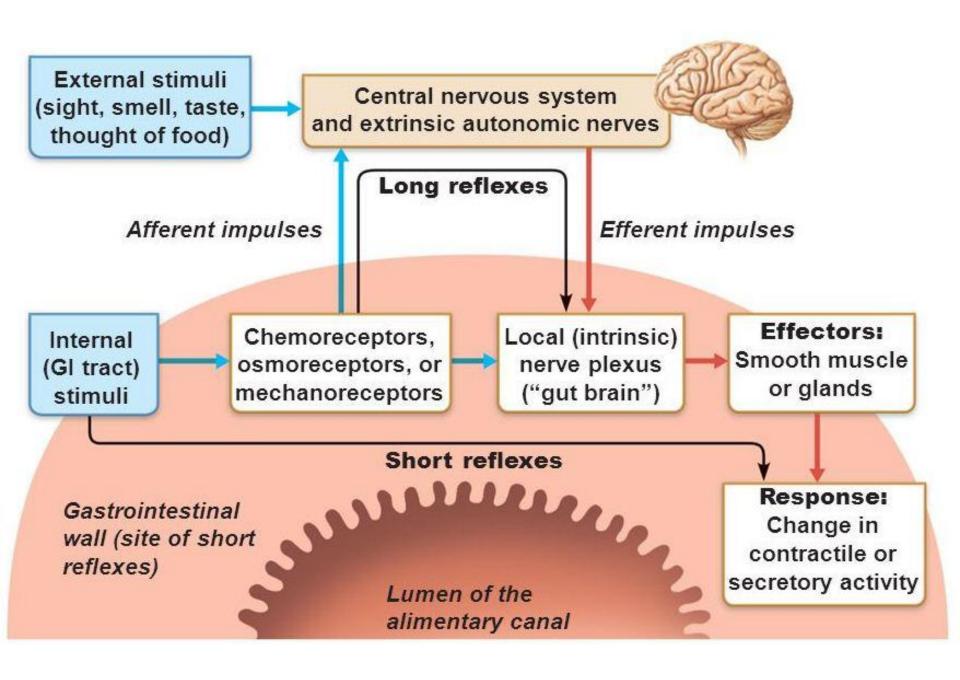
MỤC TIÊU

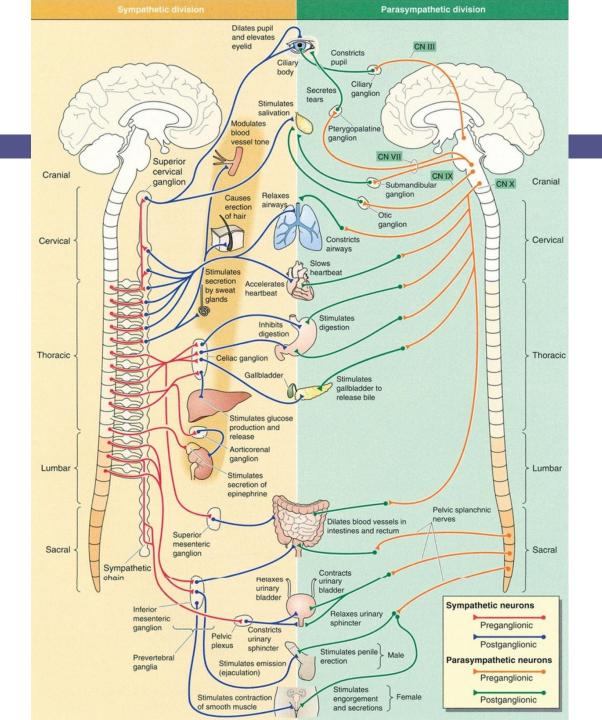
- 1) Trình bày được quá trình vận chuyển các chất trong ống tiêu hóa.
- 2) Giải thích được một số triệu chứng bệnh lý.

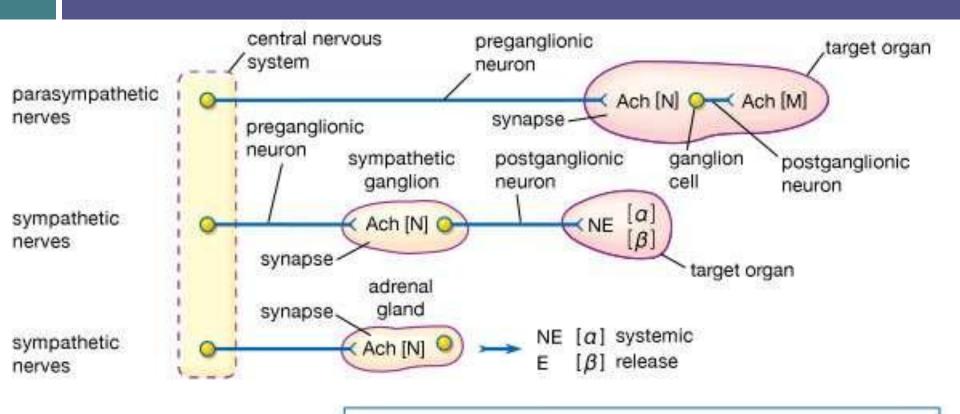
ĐẠI CƯƠNG

MÔ HỌC ỐNG TIÊU HÓA









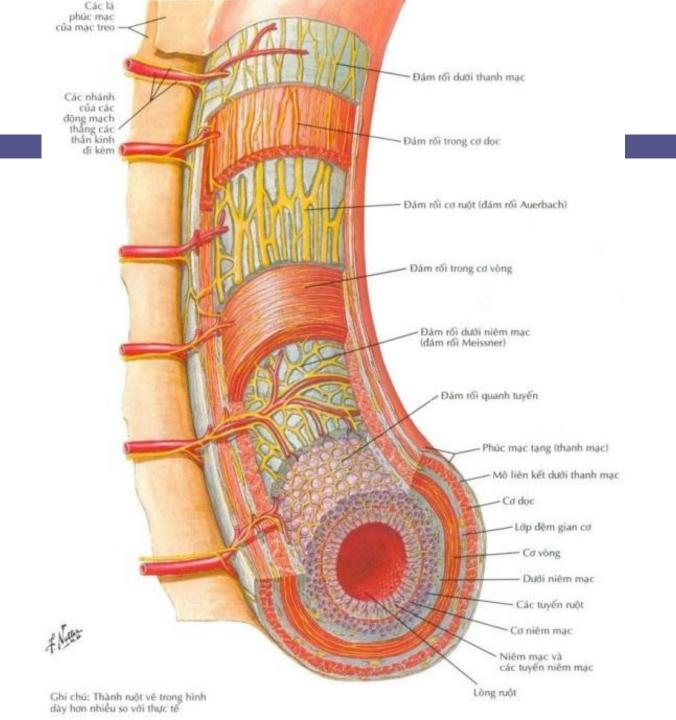
Ach Acetylcholine [N] Nicotinic acetylcholine receptor

E Epinephrine [M] Muscarinic acetylcholine receptor

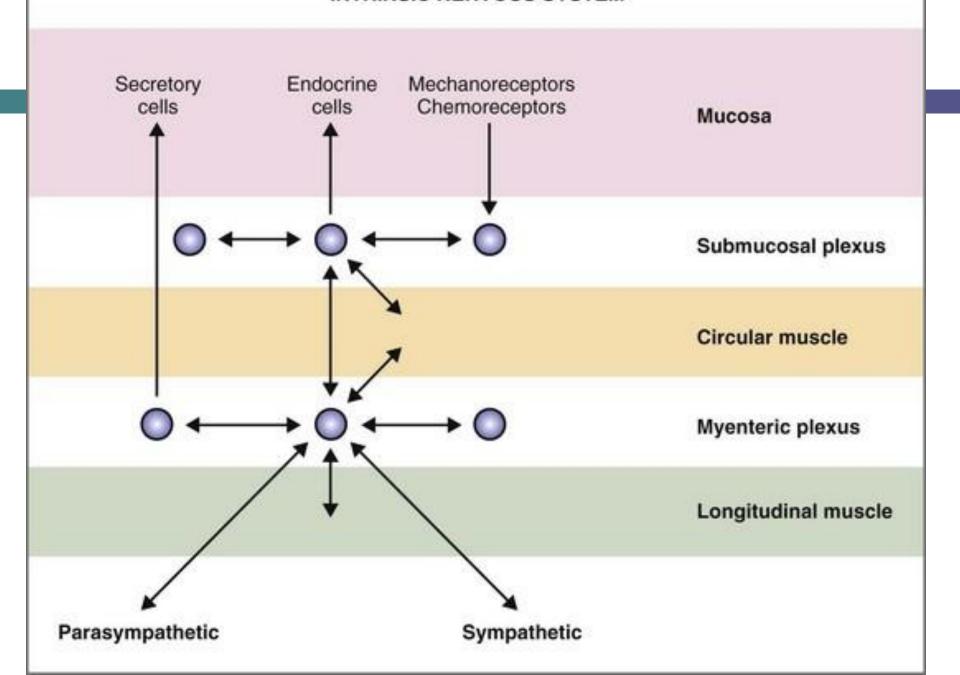
NE Norepinephrine [α] Norepinephrine receptor subtype

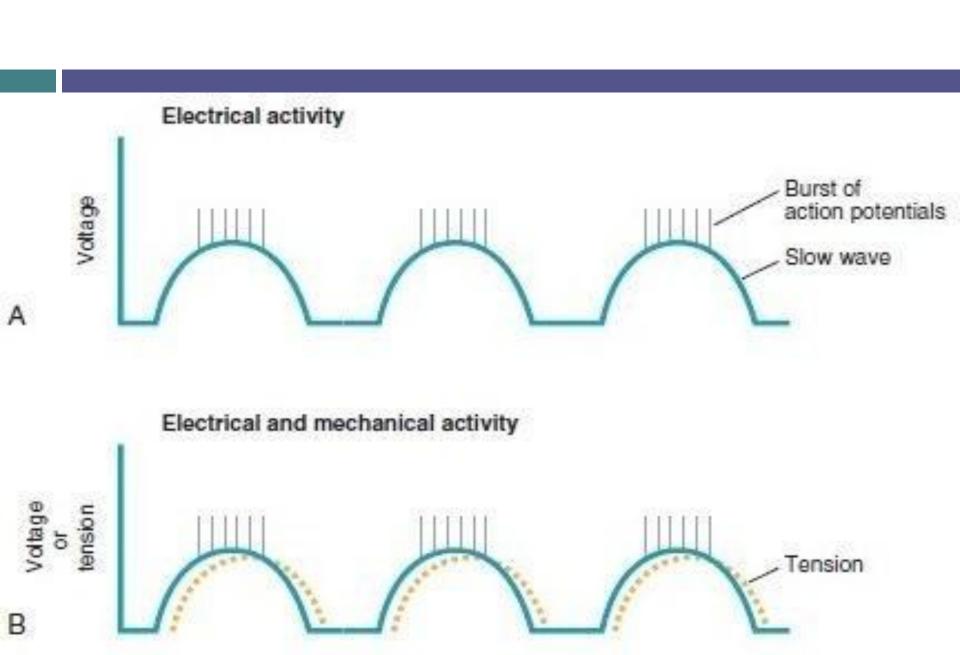
[β] Norepinephrine receptor subtype

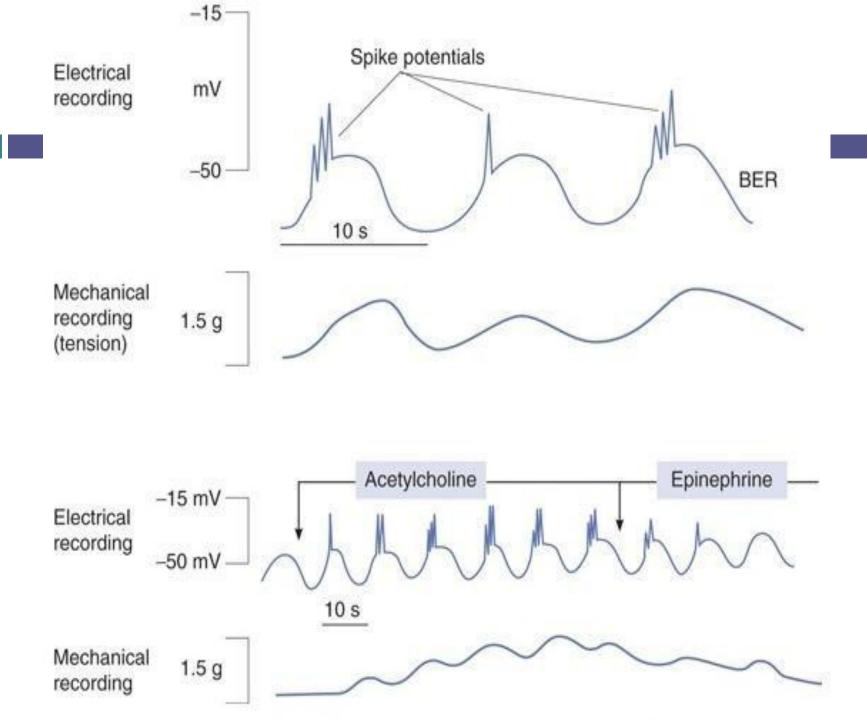
C Encyclopædia Britannica, Inc.



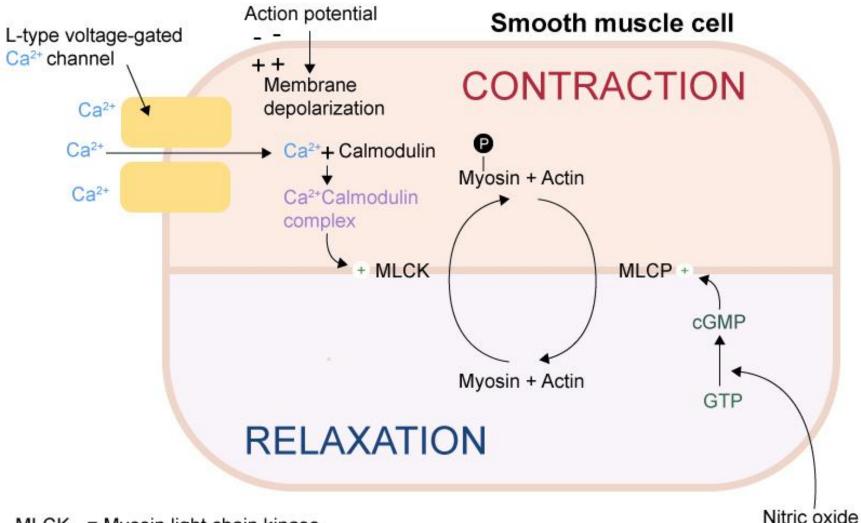
INTRINSIC NERVOUS SYSTEM







Smooth Muscle Contraction

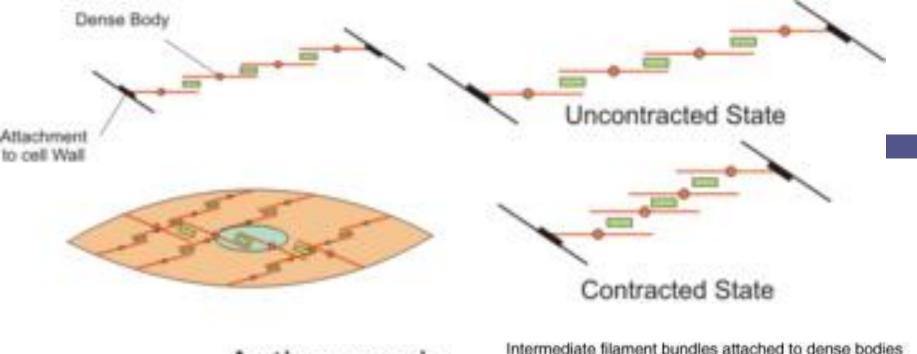


MLCK = Myosin light chain kinase

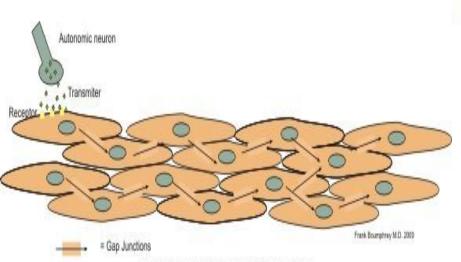
MLCP = Myosin light chain phosphatase

GTP = Guanosine triphosphate

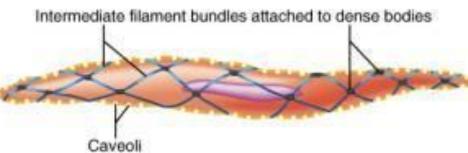
cGMP = Cyclic guanosine monophosphate



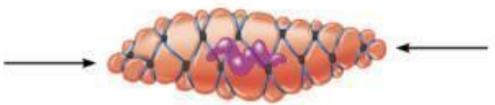
Actin-myosin



Propagation of Action Potentials through Gap Junctions



(a) Relaxed smooth muscle cell

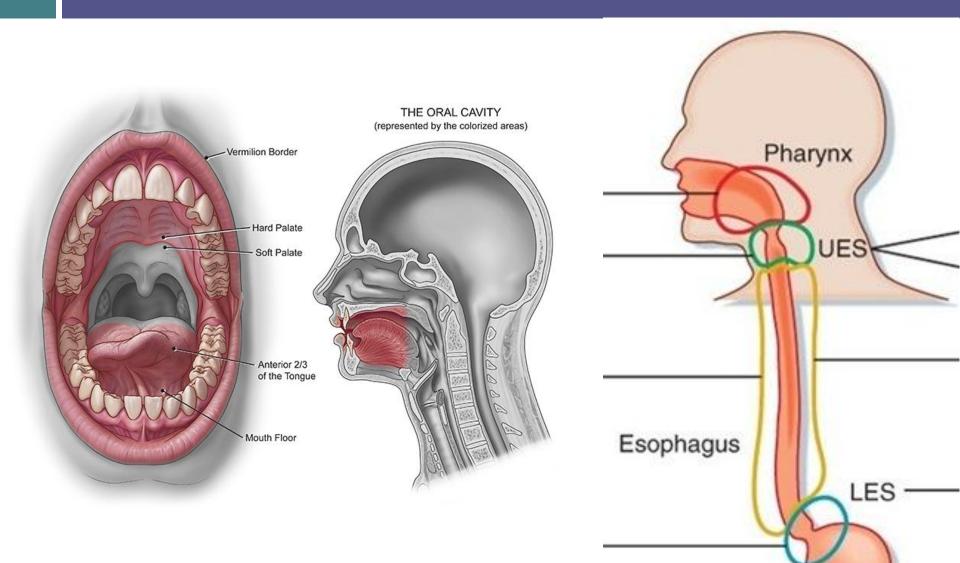


(b) Contracted smooth muscle cell

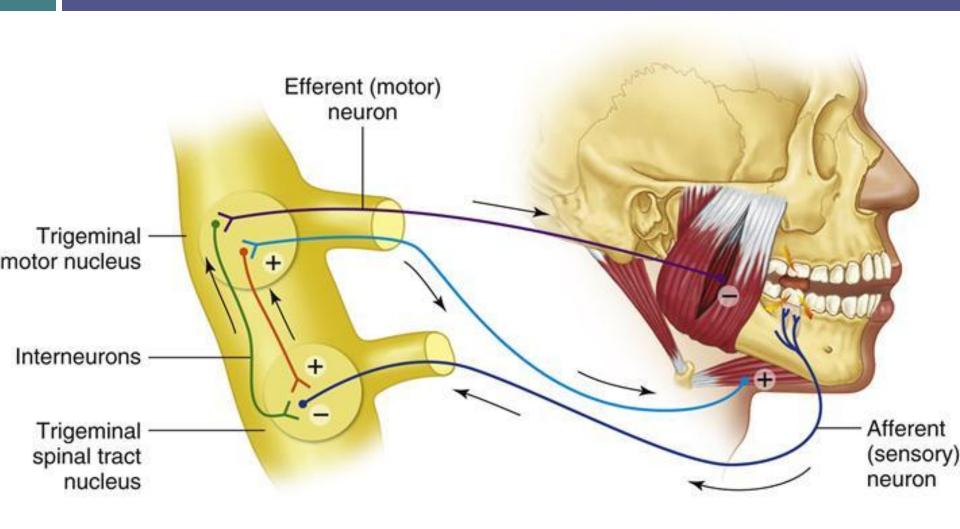
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CÁC ĐOẠN ỐNG TIÊU HÓA

MIỆNG, HẦU, THỰC QUẢN

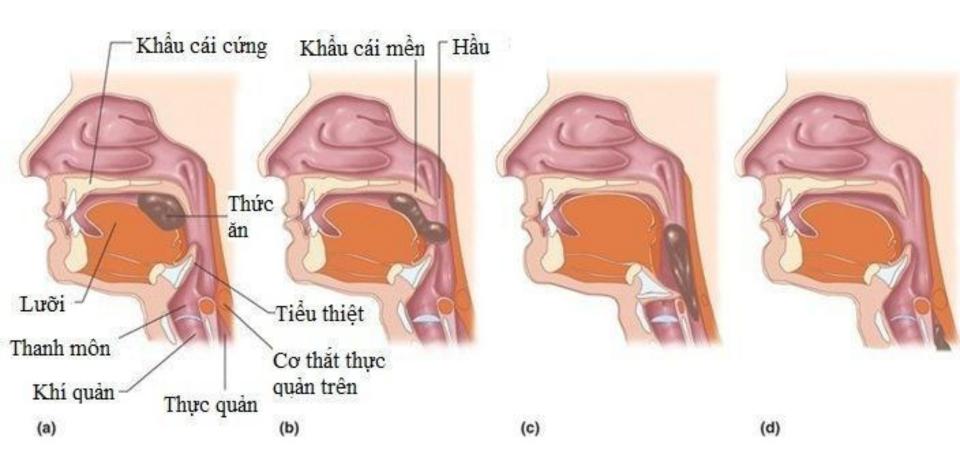


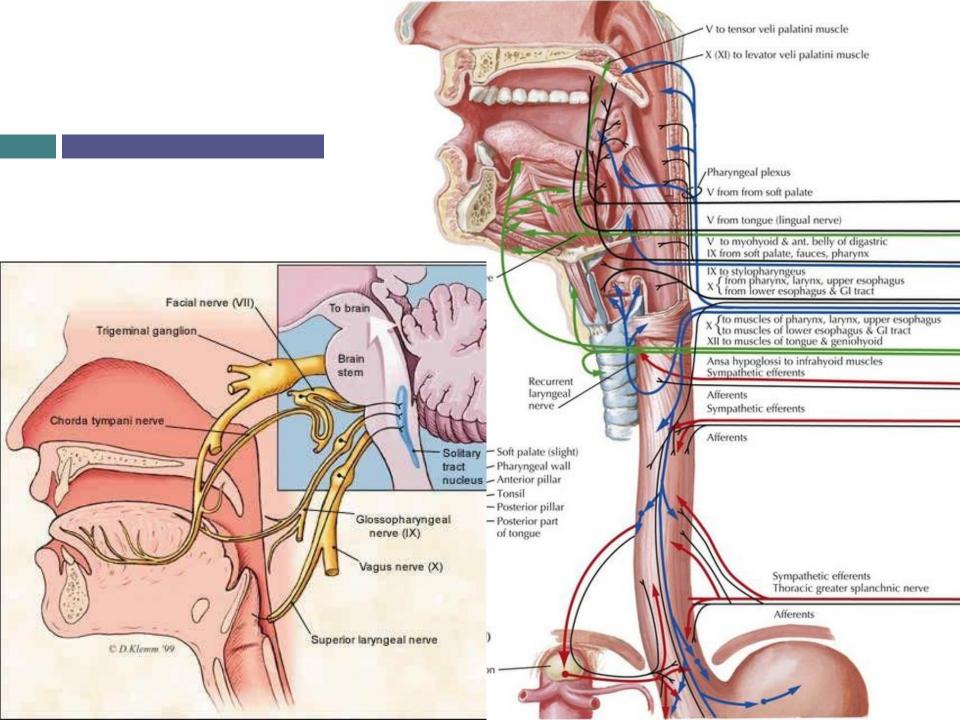
NHAI

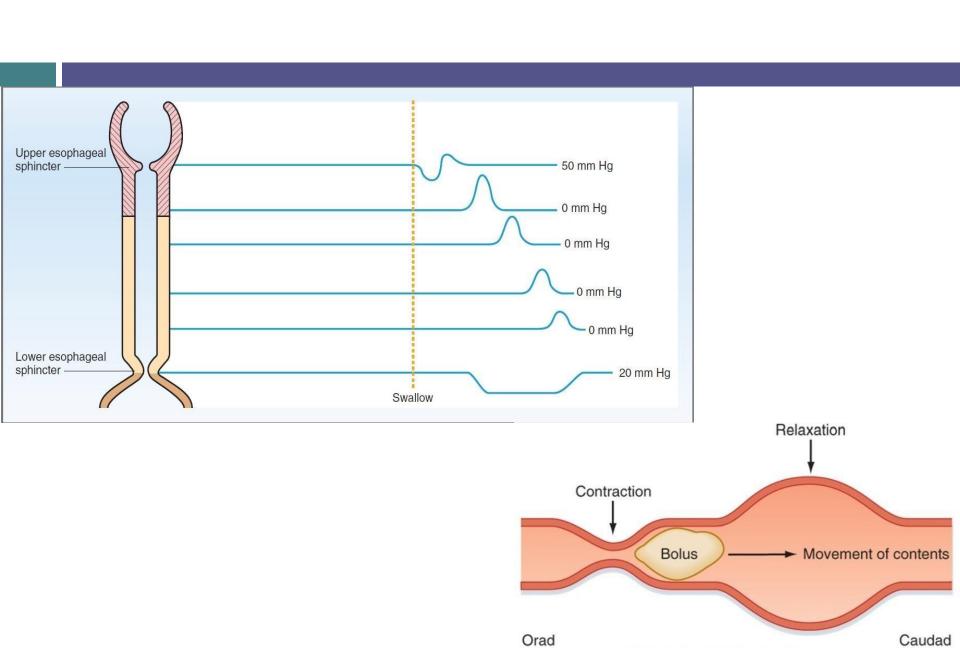


- = Inhibitory effect
- + = Excitatory effect

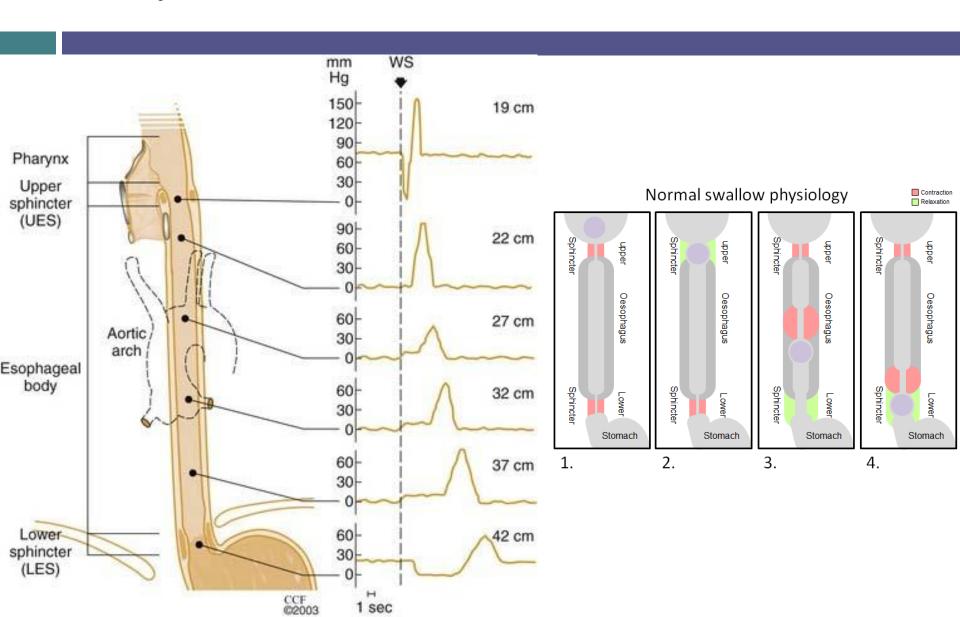
NUỐT



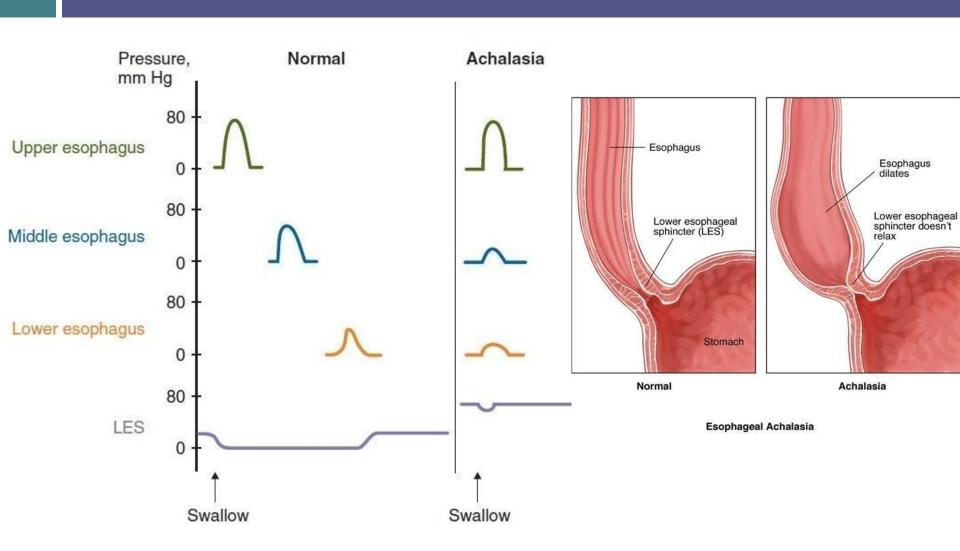




THỰC QUẨN



Co thắt tâm vị (Achalasia)

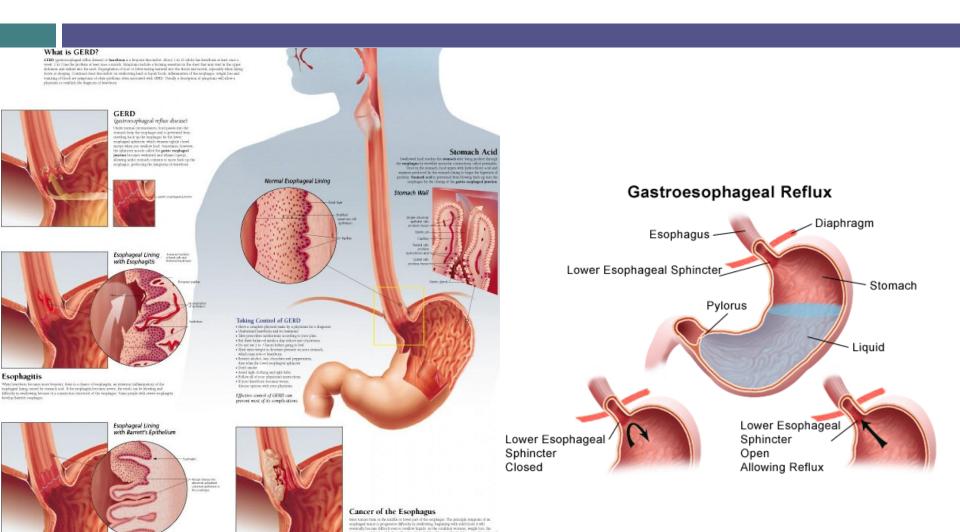


GERD (Gastroesophageal reflux)

The distance gold of worstaj bombomic in produce hardon from properties and proven stando Improvements in Harryle changes and the slone may be enough to come! GSD: opensity in talk come Chen, improvements in derived to be combined with a relationative control GSD. Dut to far yet in making of mechanisms of a body the electric disputer opens, from the sown of littles report of anothers to Vary physician of discontrol to be the force of and may even make page.

One-pands review and man provent indutors of council and guidanton and observe heathers man otherwise.

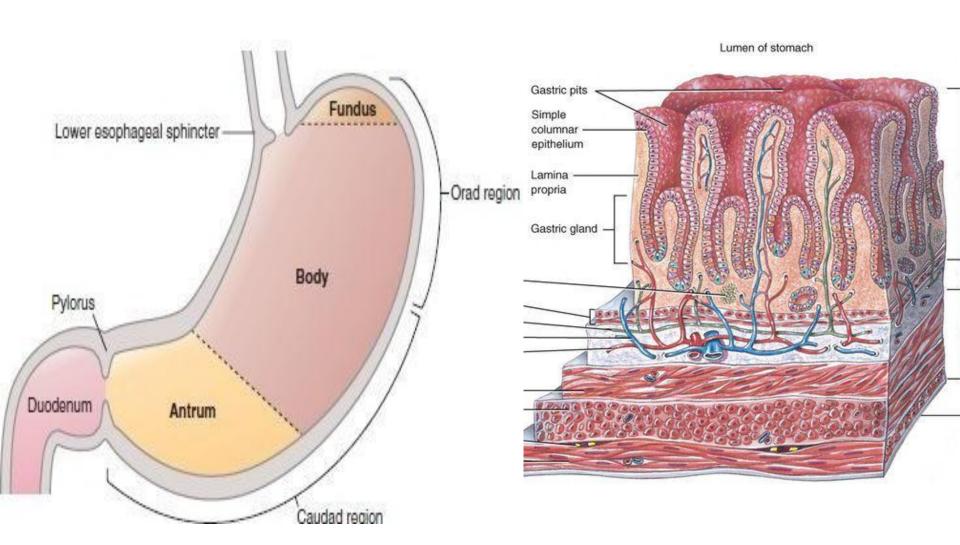
Support to the and a only a wide solution for those with severe symptoms, complications deeple medicators and Morele charges.



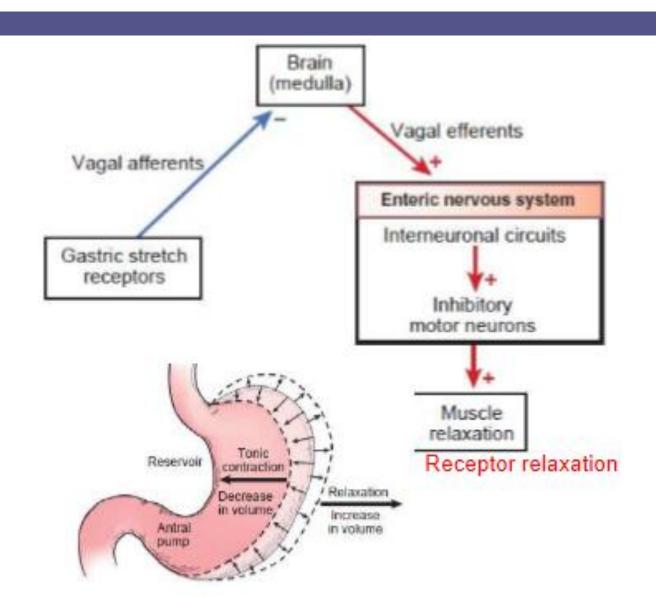
Barrett's Esophagus

in addition to benchmarkers a wedered lower couplings to phrace, many other daviders on south in determining dyner couplings. Continuit graphisms of well from the record may design the certain has like himsy of the couplings, which in their replaced by a himsy that seconds out harmy of an armodilias well many assulty can note consults with the differentiation of the upper and of the new binang may man executed for the corp pumpages of the Couplings. When may cover in the new traing, and can be find and

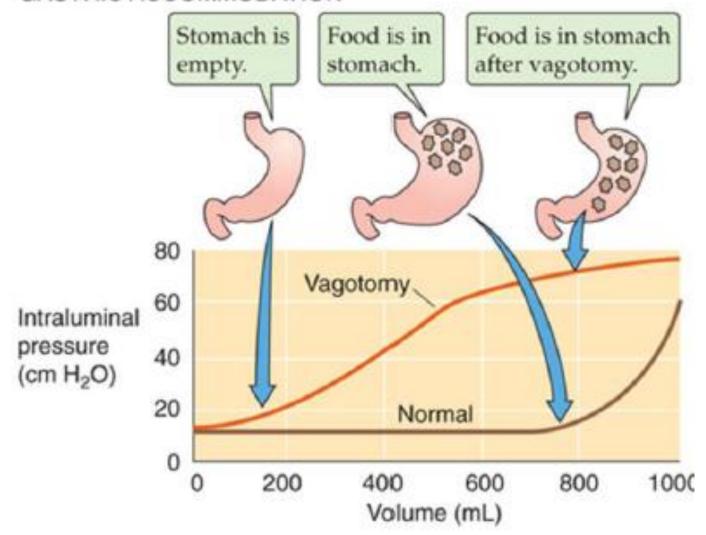
DA DÀY



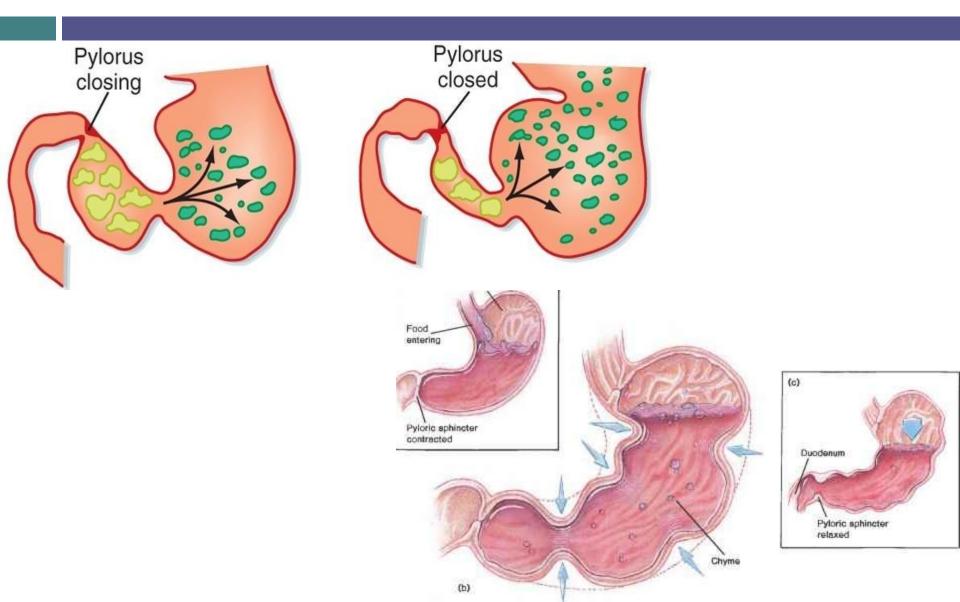
Giãn tiếp nhận



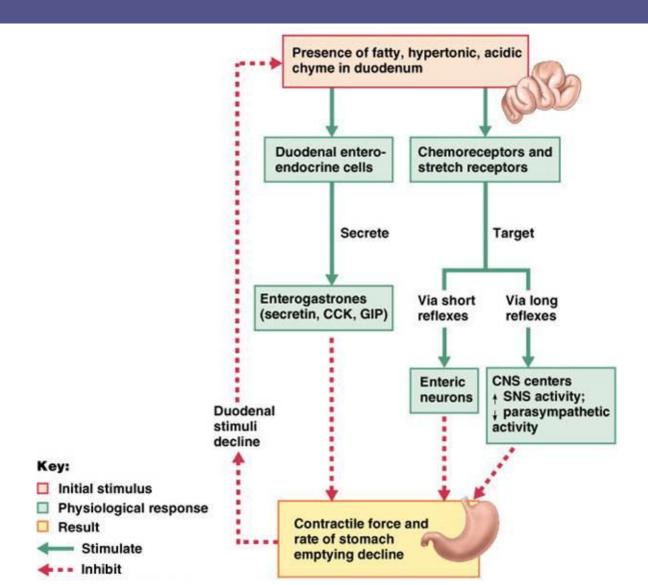
A GASTRIC ACCOMMODATION

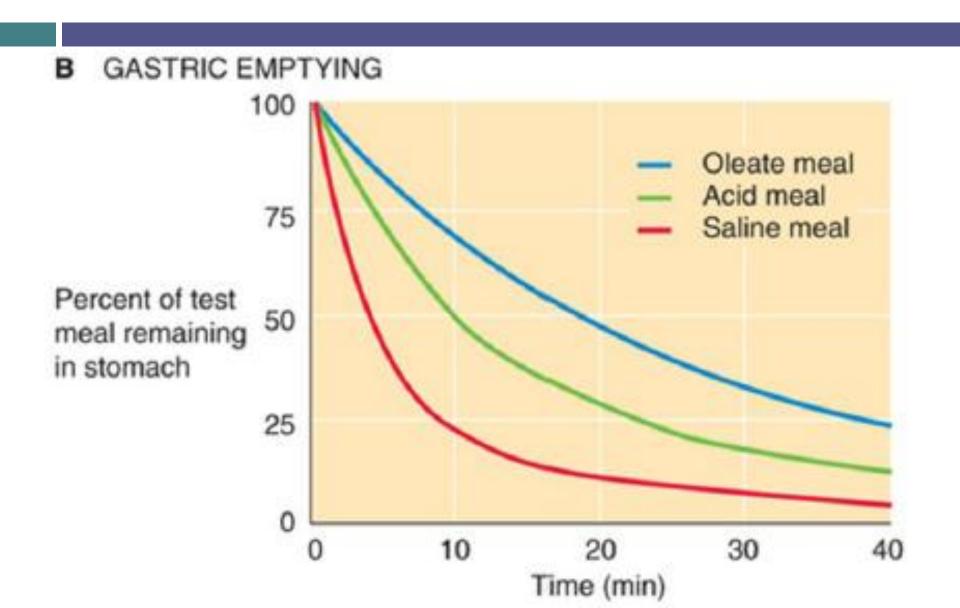


Nhào trộn

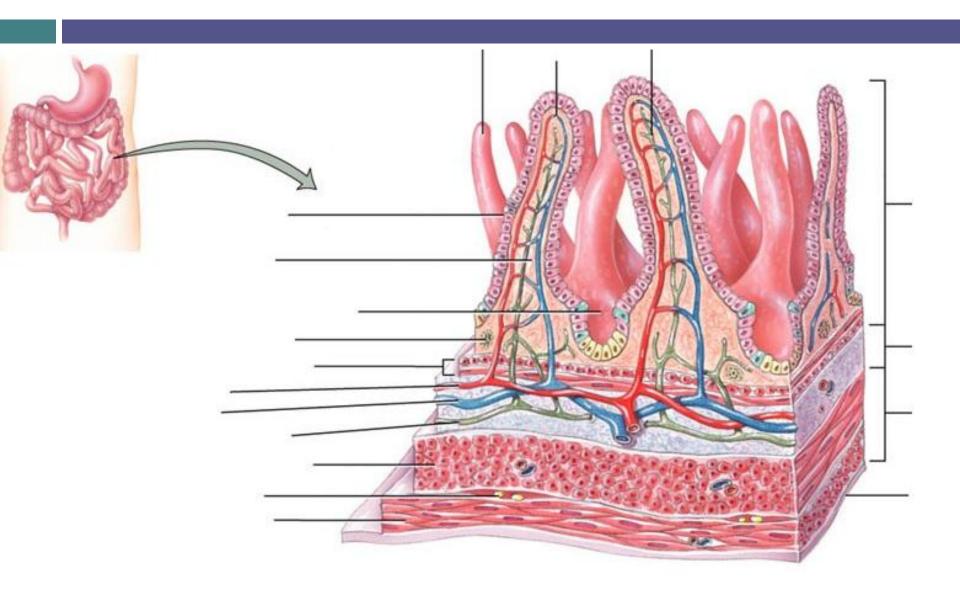


Thoát thức ăn khỏi dạ dày

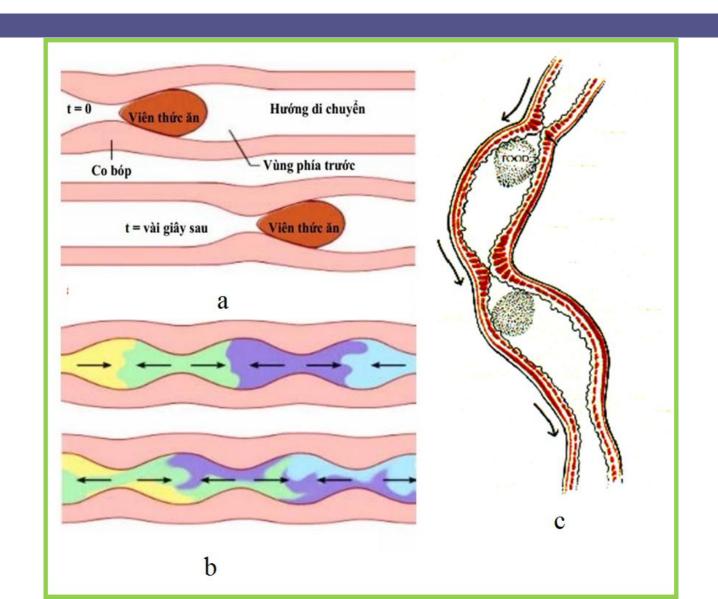




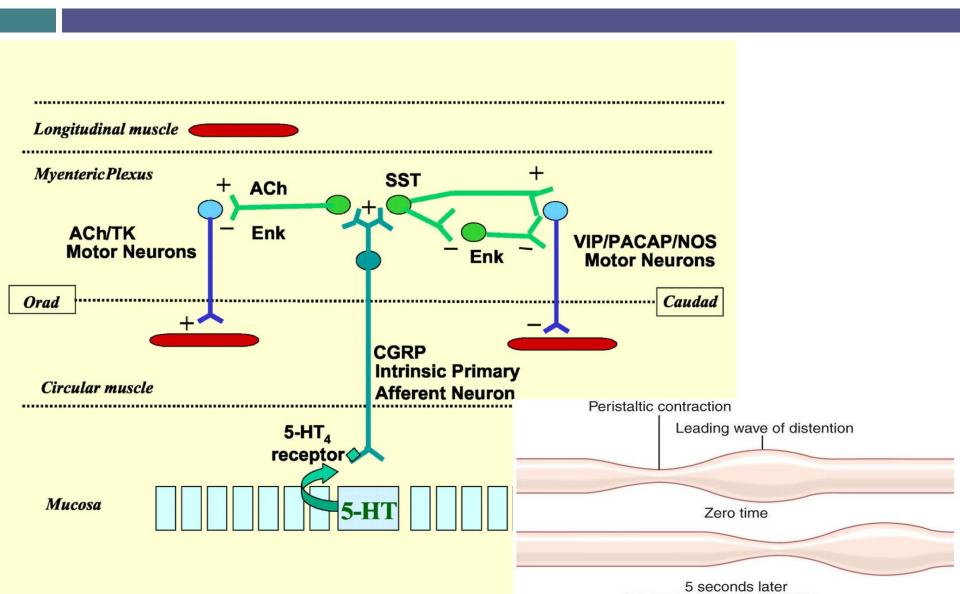
RUỘT NON



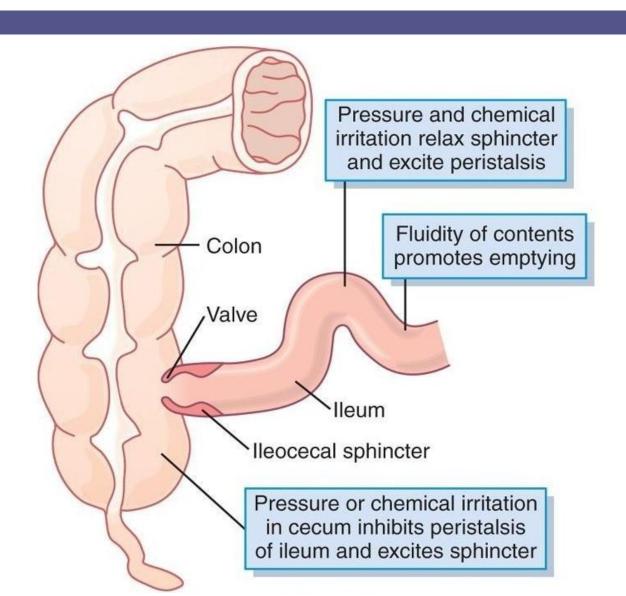
Phân đoạn



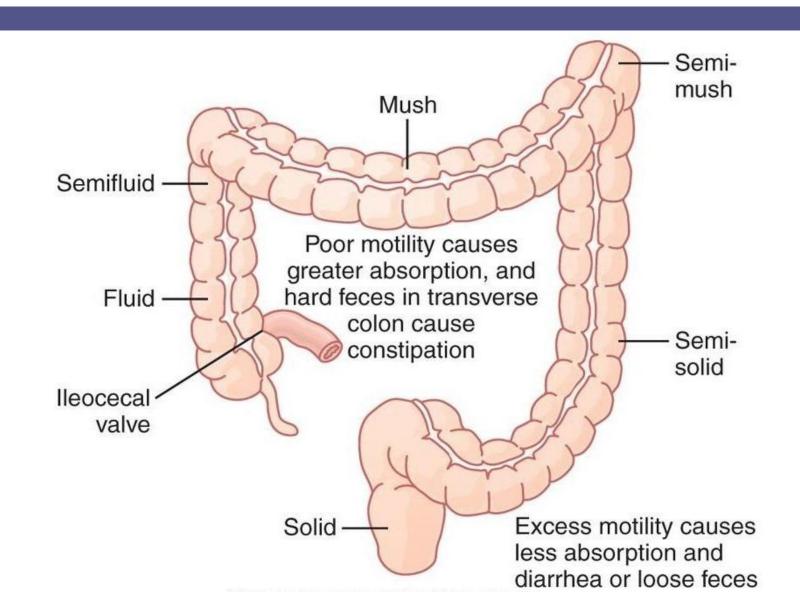
Nhu động



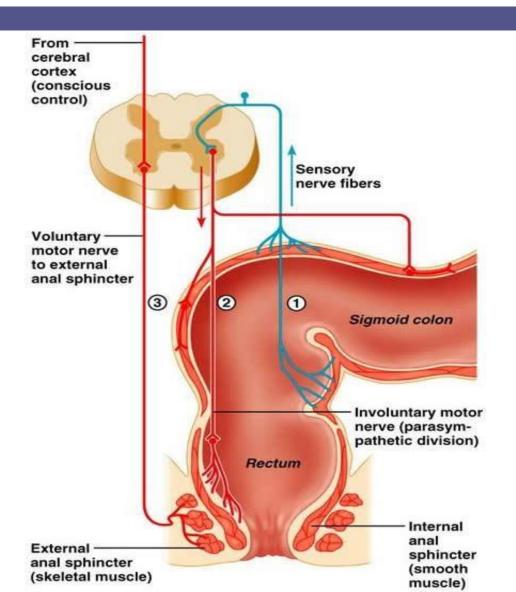
Phản xạ hồi tràng dạ dày



RUỘT GIÀ (ĐẠI TRÀNG)



Sự tống phân



Hirchpsrung

