

Anatomie van de slokdarm / maag

10^e verpleegkundig congres GIOCA, Amsterdam UMC
Wietse Eshuis, slokdarm-/maagchirurg





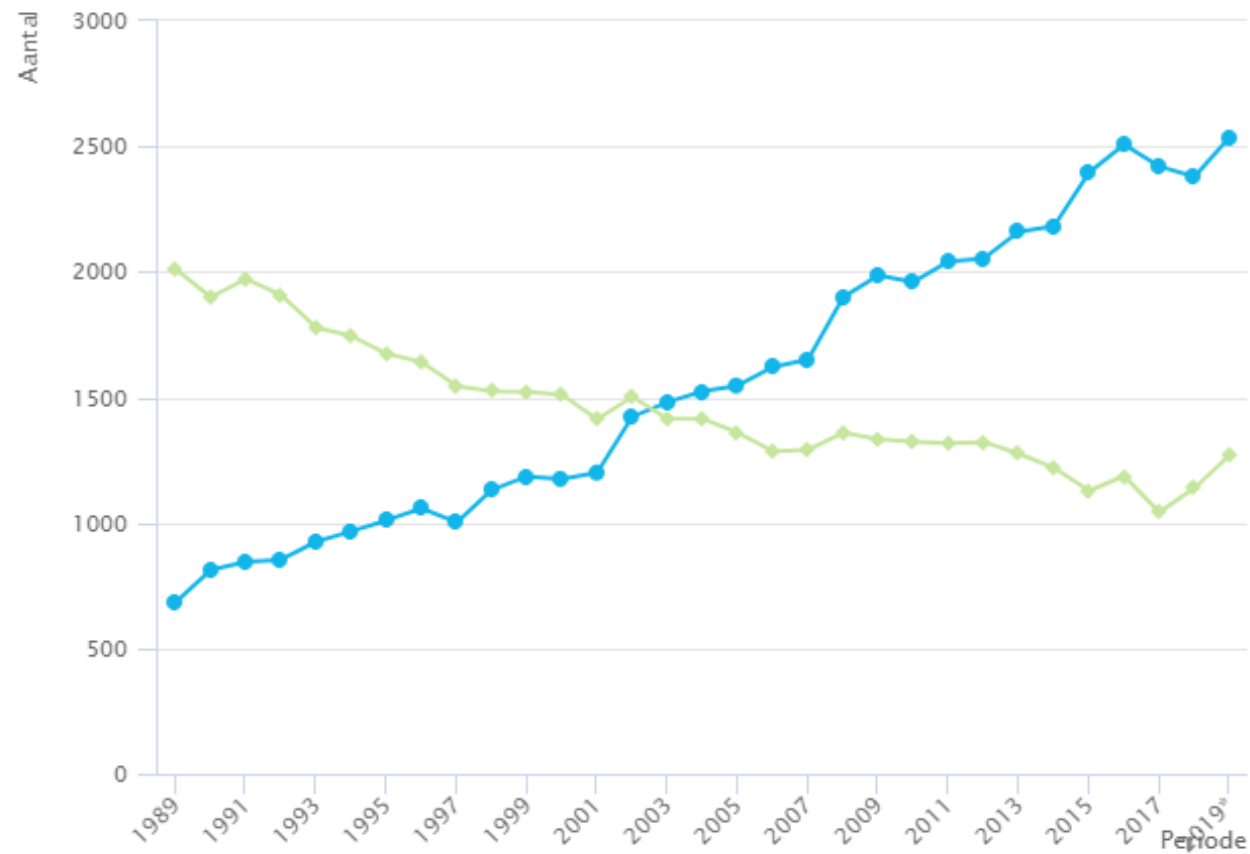
Inhoud

- Korte inleiding slokdarmkanker
- Anatomie slokdarm
- Operatie voor slokdarmkanker
- Belangrijke structuren en hun betekenis voor de slokdarmchirurgie

Incidentie

Nederland

Slok darm- en maagkanker, Incidentie, Aantal



Kankersoort

● Slokdarmkanker ◆ Maagkanker (excl. cardiaankanker)

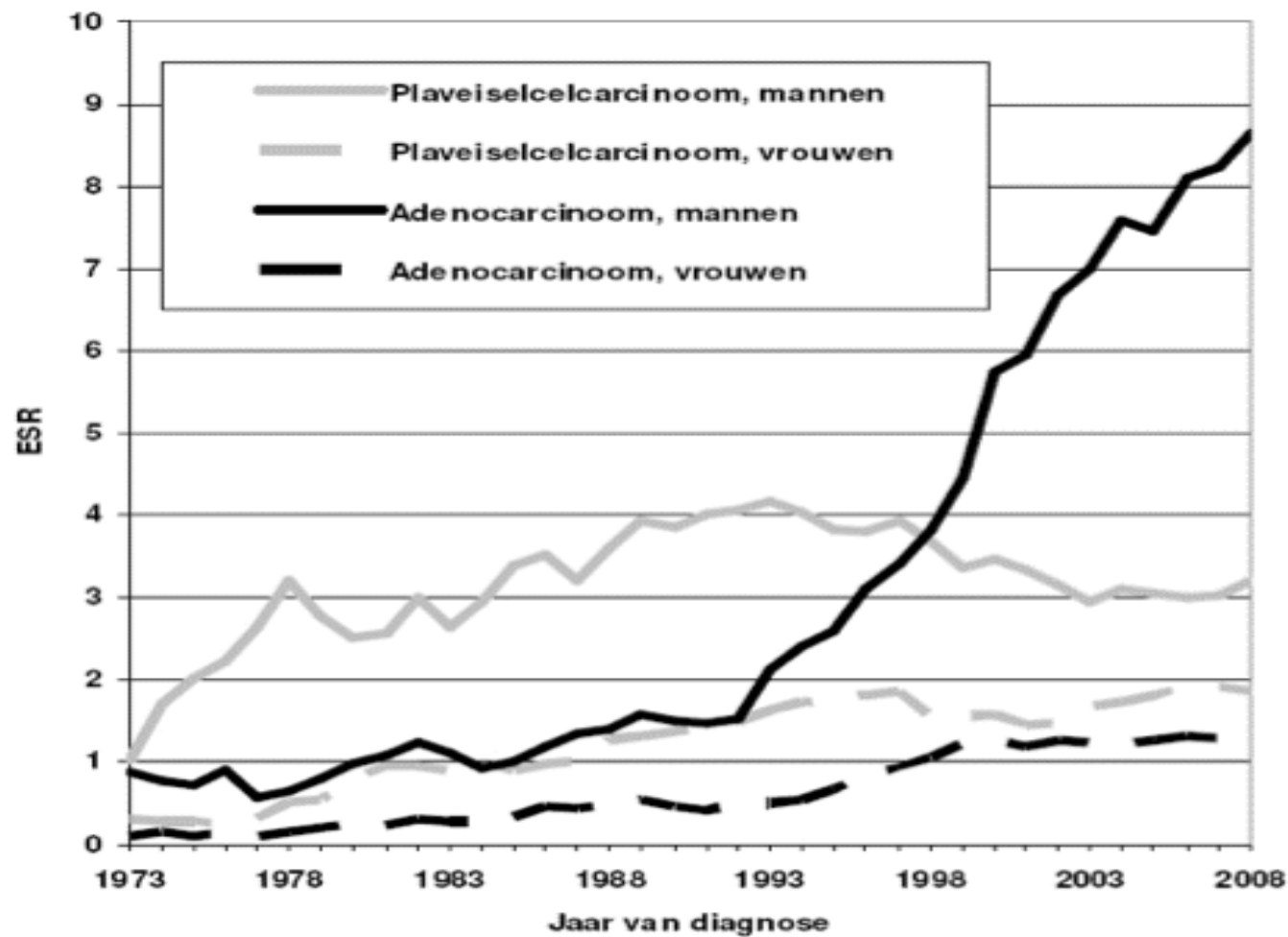
NKR

Bron: NKR-cijfers / IKNL



Incidentie

Nederland



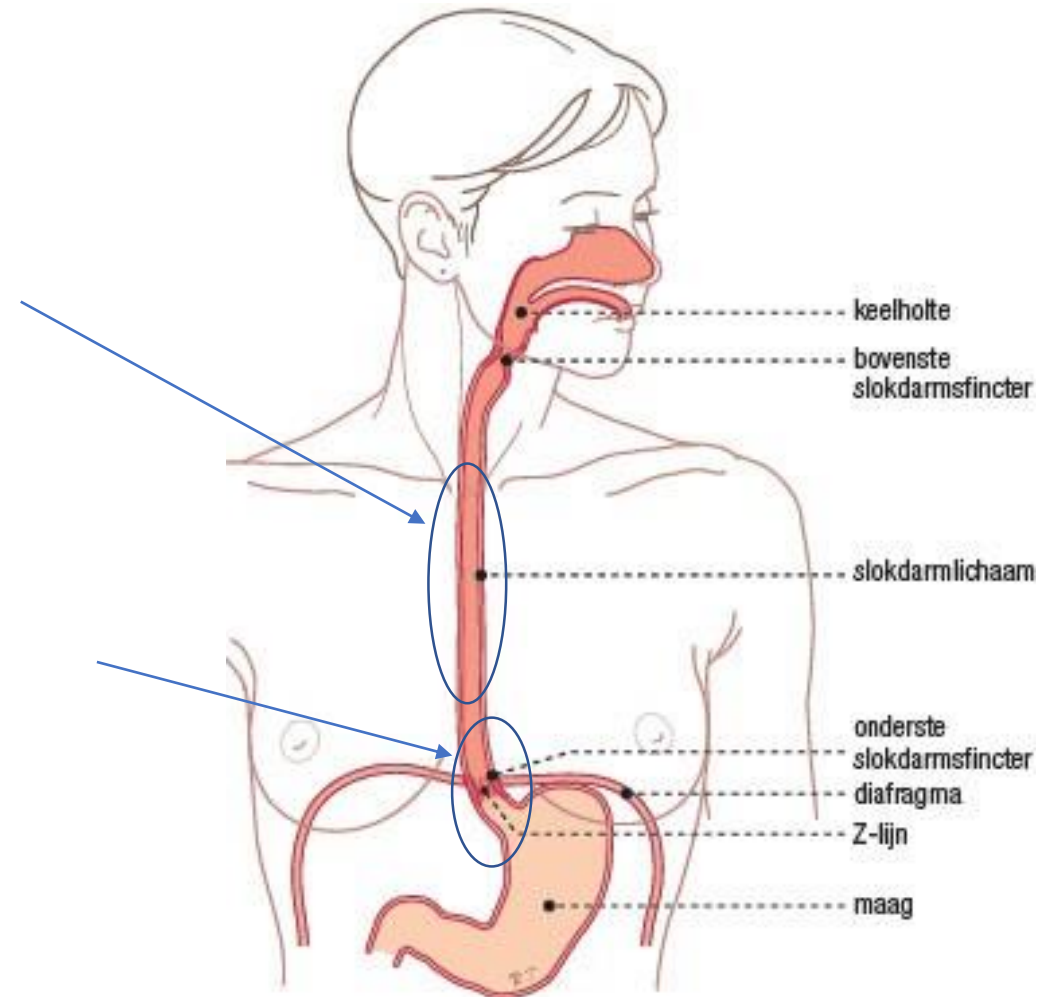


Plaveiselcelcarcinoom

In het bovenste / middendeel van de slokdarm
Ontstaat vanuit het slijmvlies van de slokdarm

Adenocarcinoom

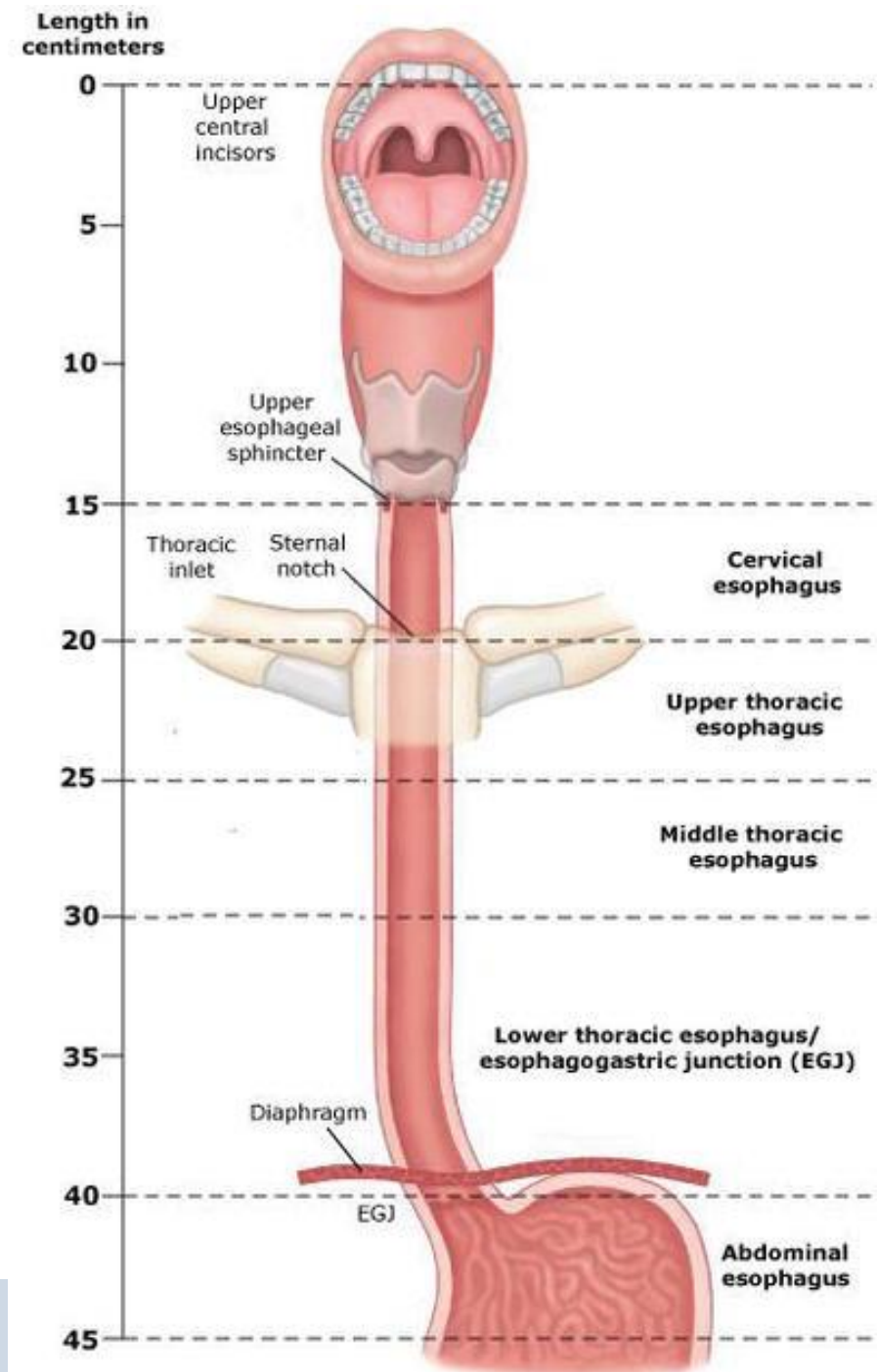
In het laatste stuk van de slokdarm
Door aantasting van het slijmvlies door maagzuur



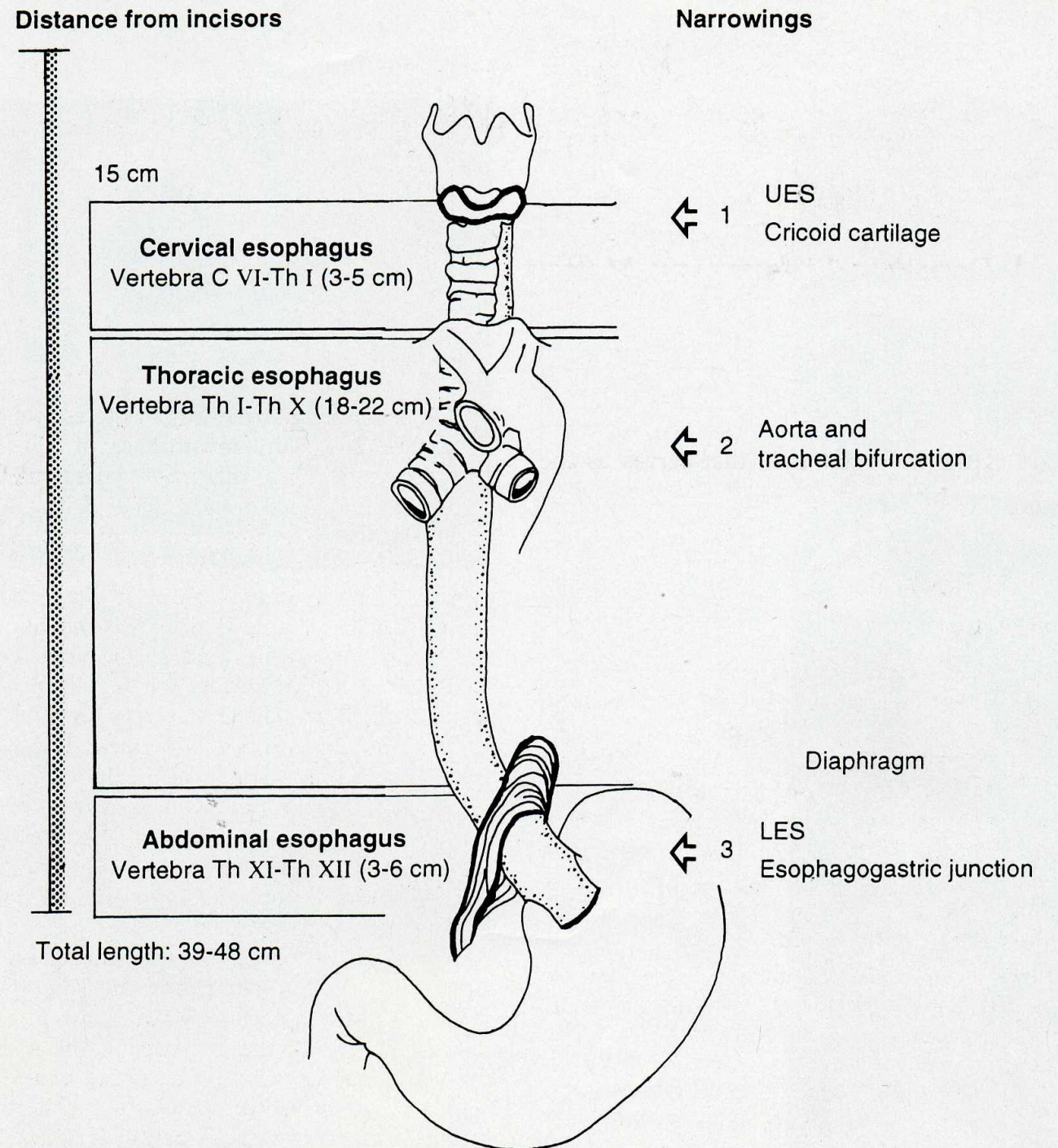


Anatomie slokdarm

Afstanden altijd gemeten vanaf tandenrij
Cervicaal, thoracaal en abdominaal deel



Anatomie slokdarm





Operatie

Transthoracaal

Intrathoracale anastomose

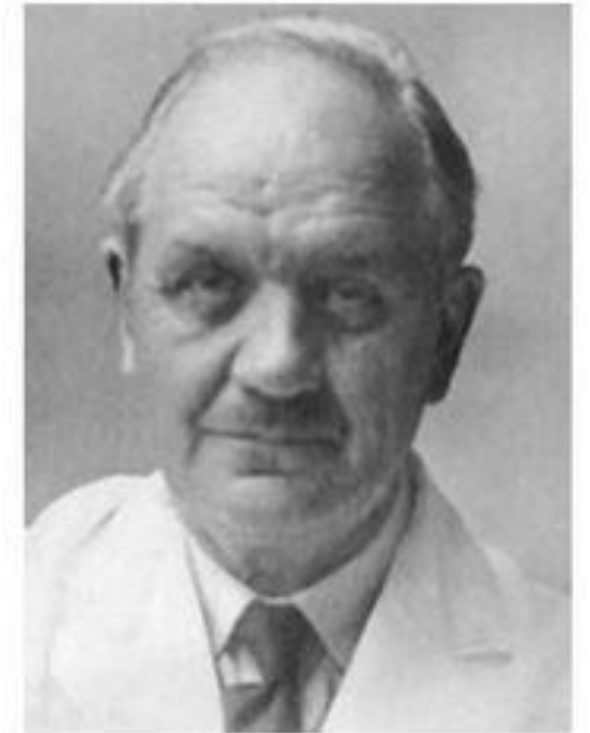
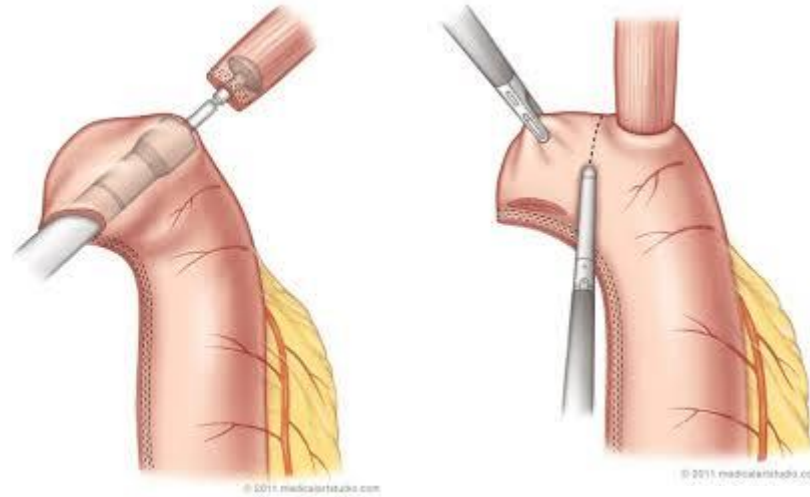
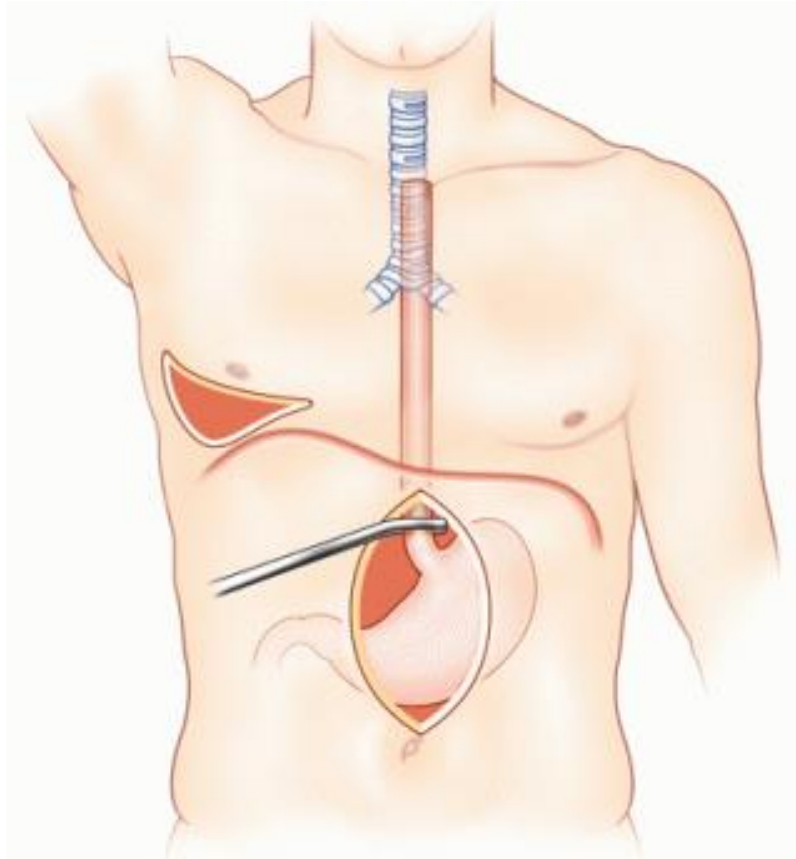
Cervicale anastomose

Transhiataal

Cervicale anastomose

Open of minimaal invasief

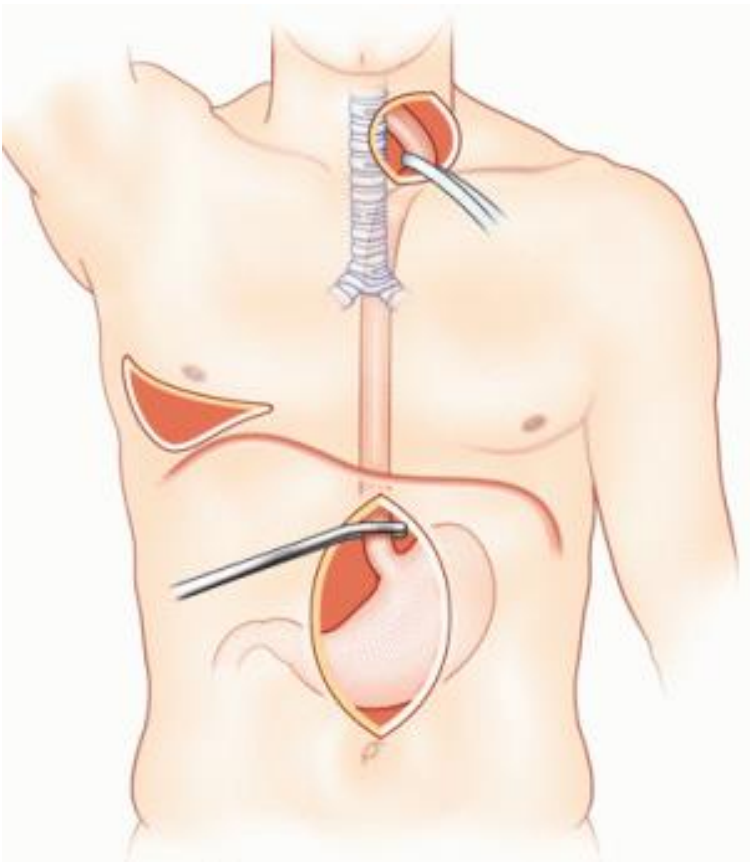
Ivor Lewis



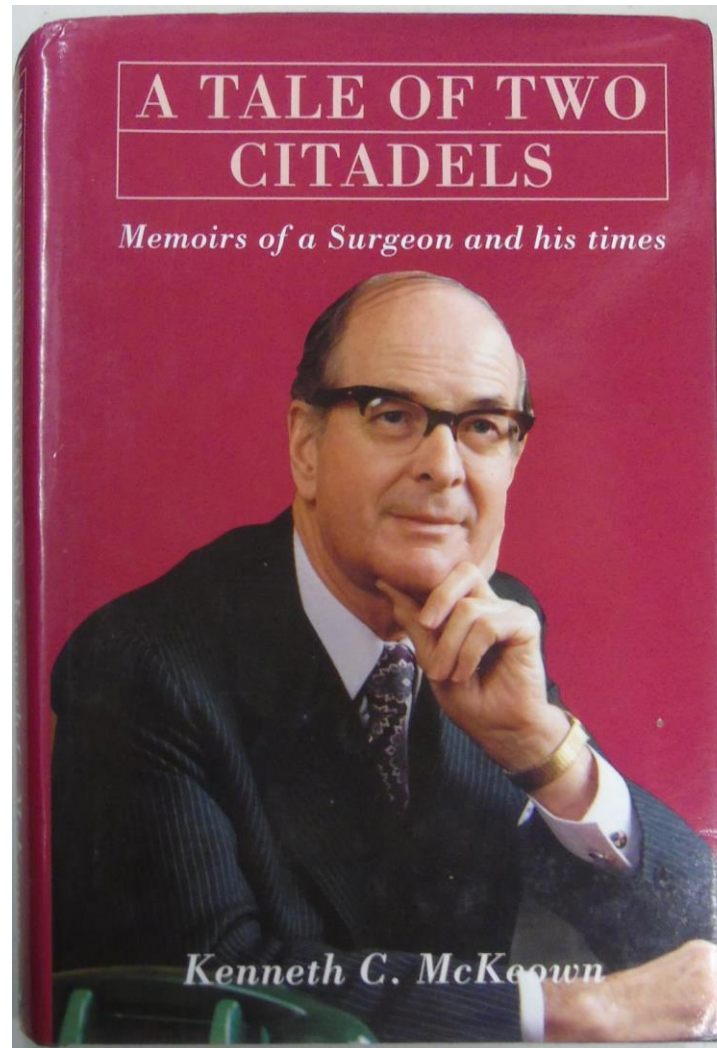
Ivor Lewis, Wales, 1895 - 1982

Intrathoracale anastomose: Ivor Lewis (1946)

McKeown



Cervicale anastomose: McKeown (1976)



Kenneth Charles McKeown, Belfast
1912 - 1995

> [Br J Surg.](#) 1976 Apr;63(4):259-62. doi: 10.1002/bjs.1800630403.

Total three-stage oesophagectomy for cancer of the oesophagus

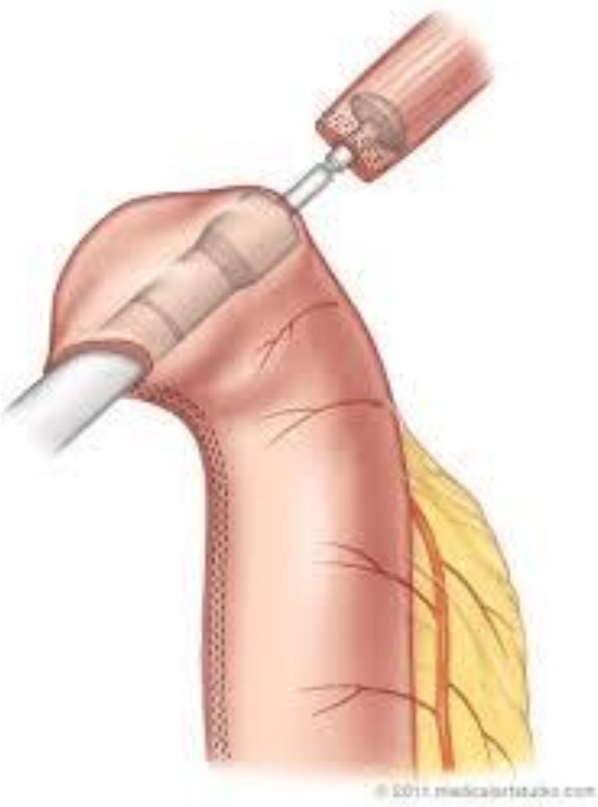
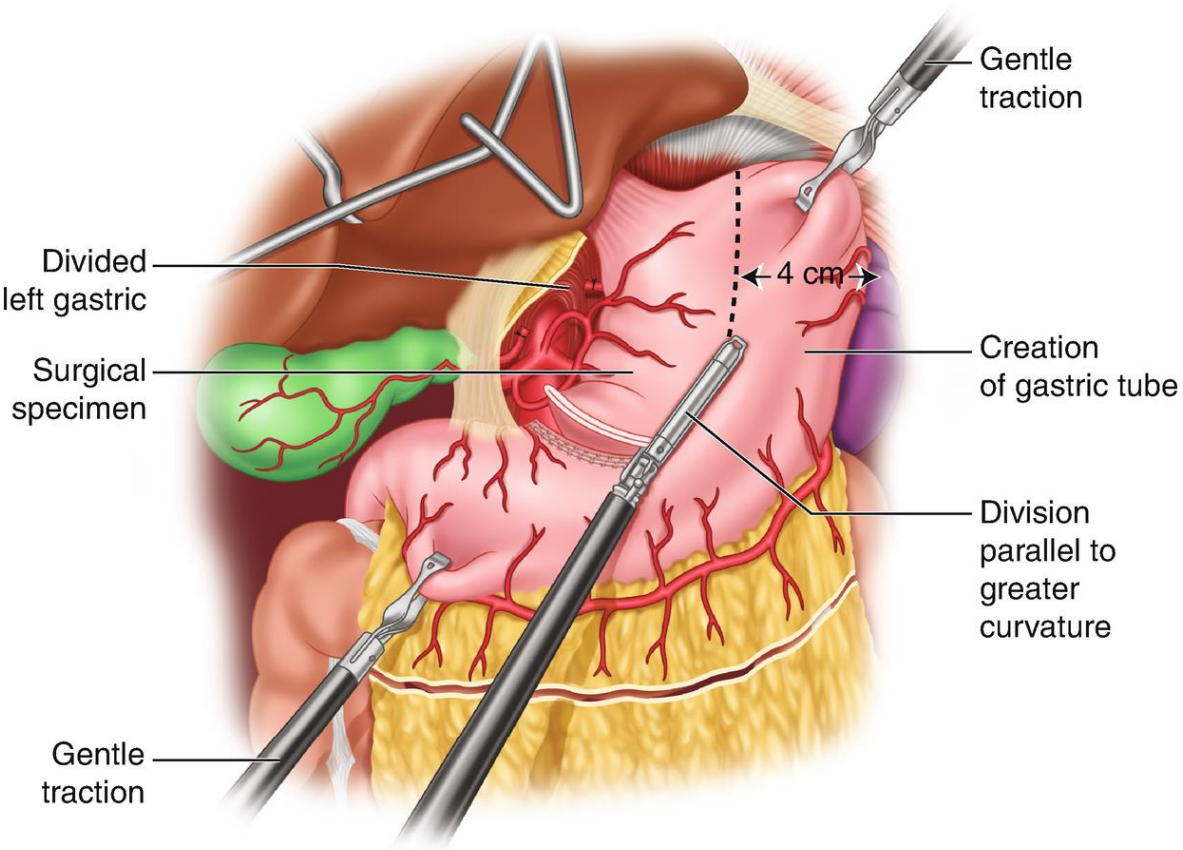
K C McKeown

PMID: 1276657 DOI: [10.1002/bjs.1800630403](#)

Abstract

The technique of total three-stage oesophagectomy is described fully. Points of detail in the procedure of the abdominal, thoracic and cervical phases are emphasized. A brief note is made regarding the management of the respiratory situation at the end of the operation.

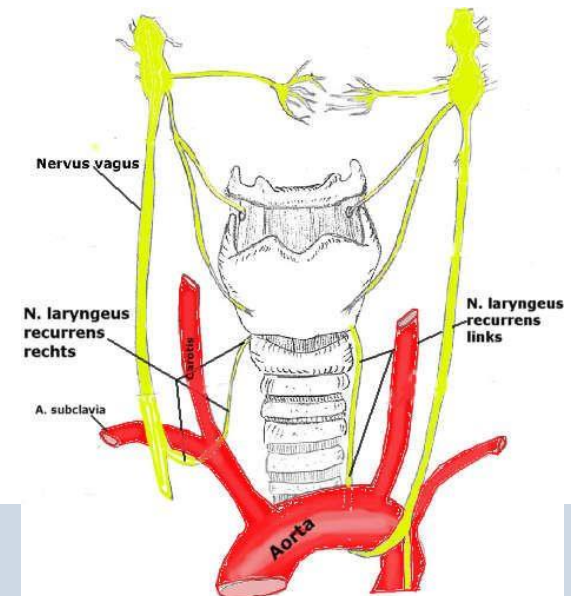
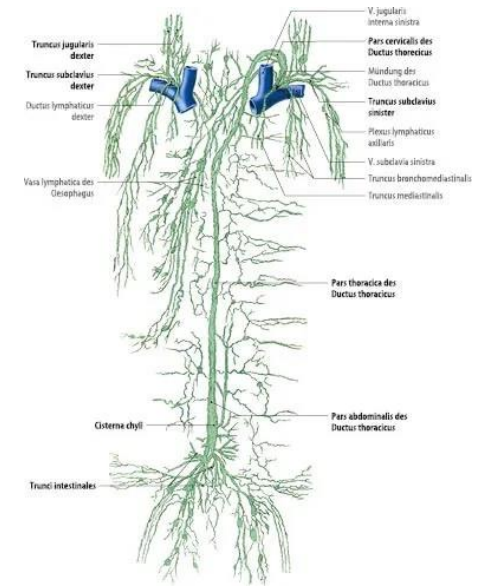
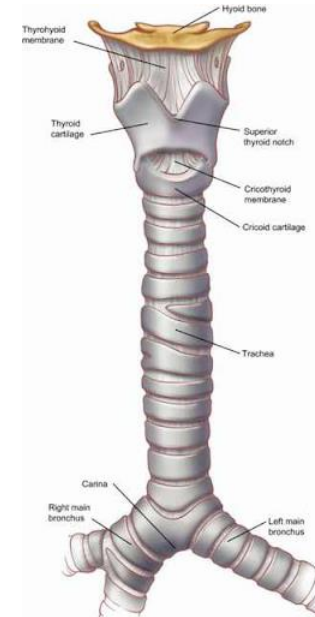
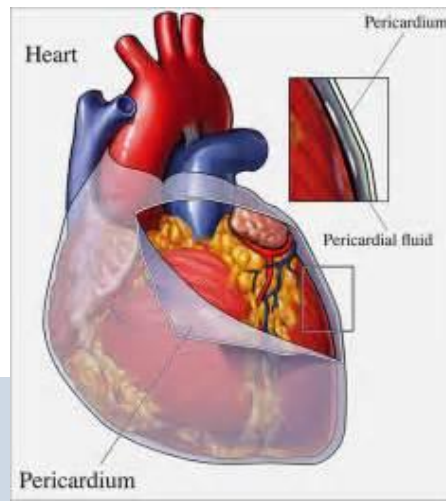
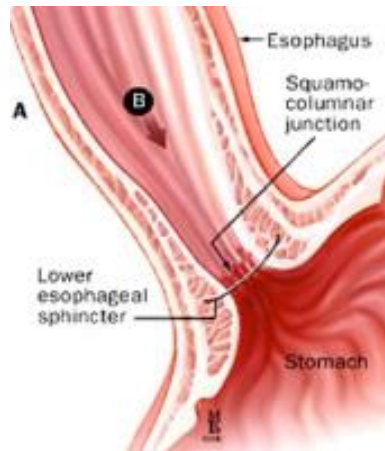
Buismaag





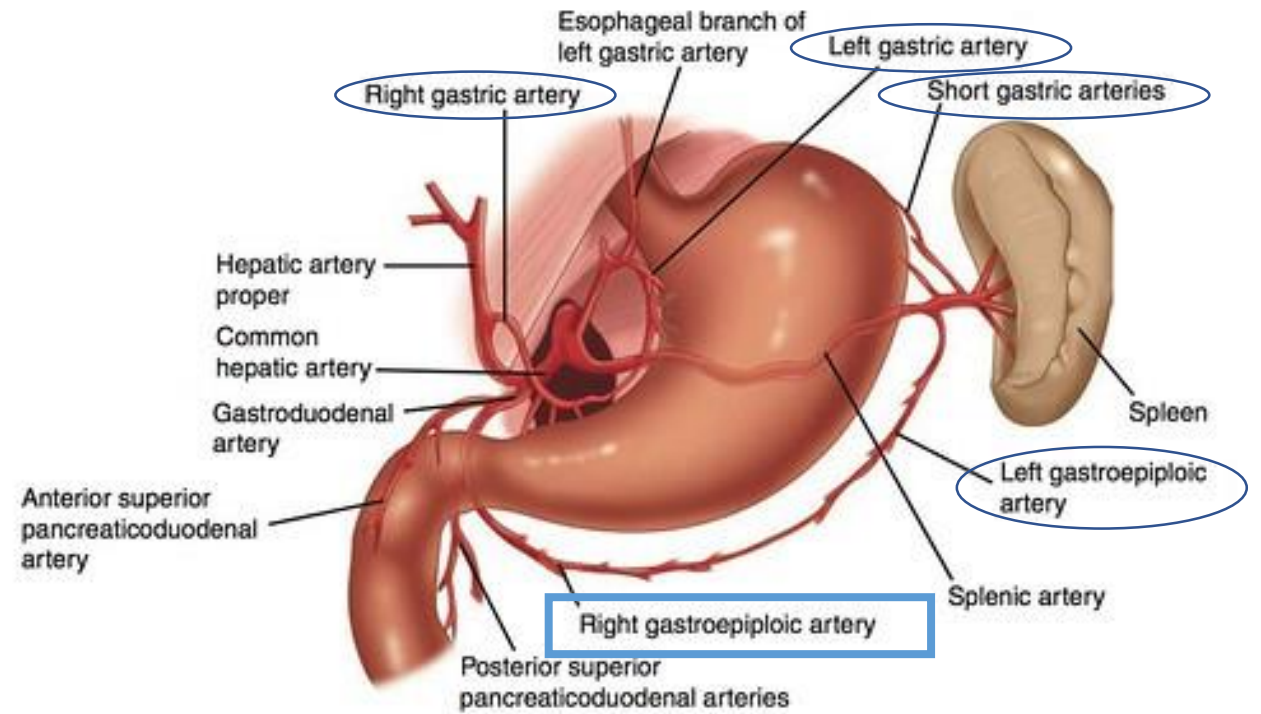
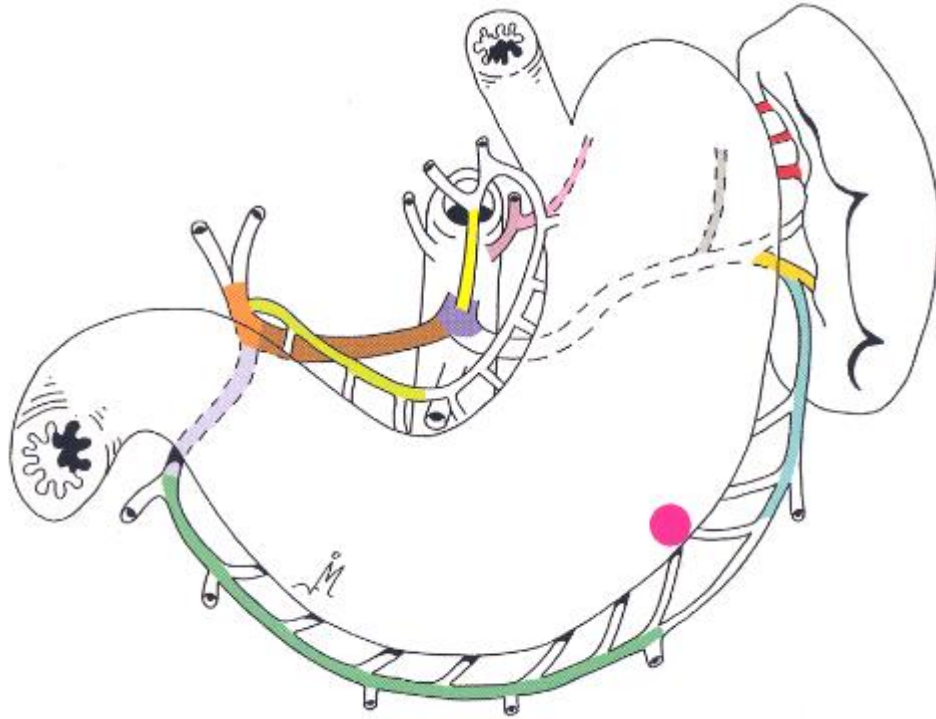
Belangrijke structuren

Van belang bij slokdarmchirurgie



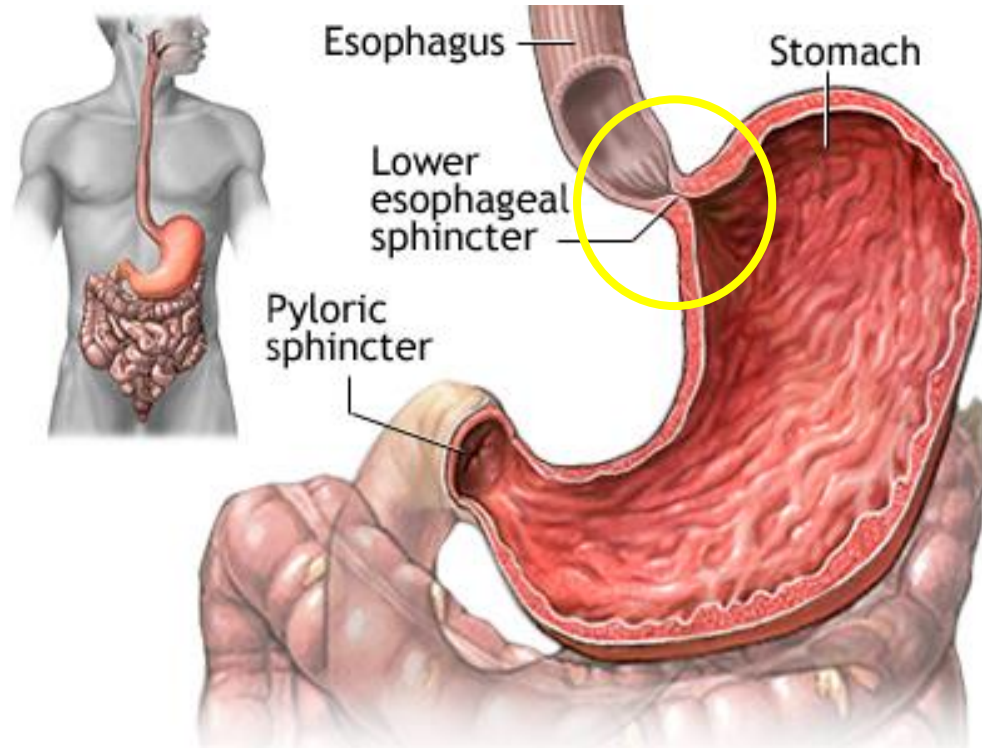


Arteria gastro-epiploica dextra





Lower esophageal sphincter (LES)



Ik heb een buismaag (gastric tube)



Ik mag niet plat liggen (I am not allowed to lie flat)
Liefst halfzittend slapen (prefer 'Semi-Fowler' position)

Nervus vagus

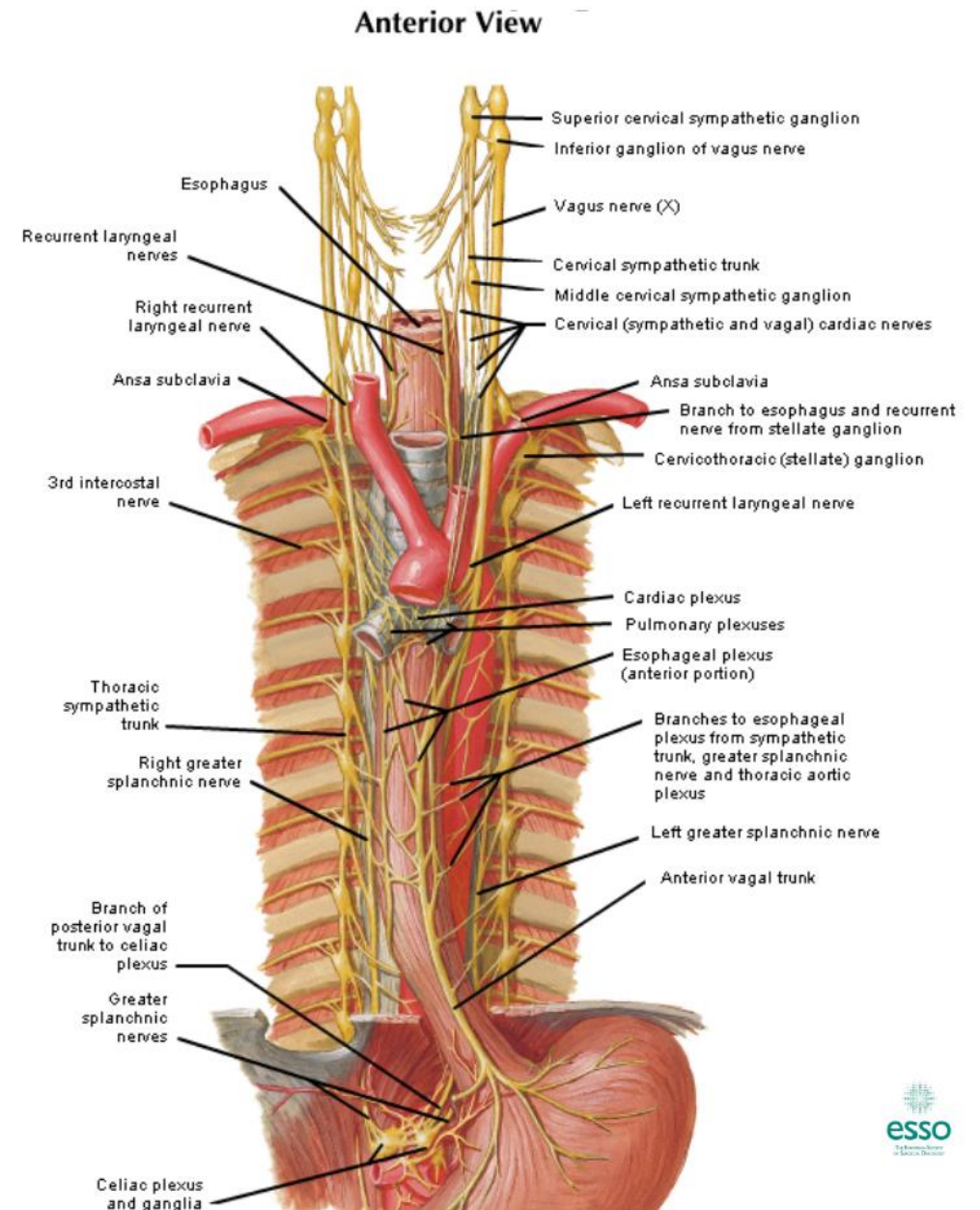


Tiende hersenzenuw

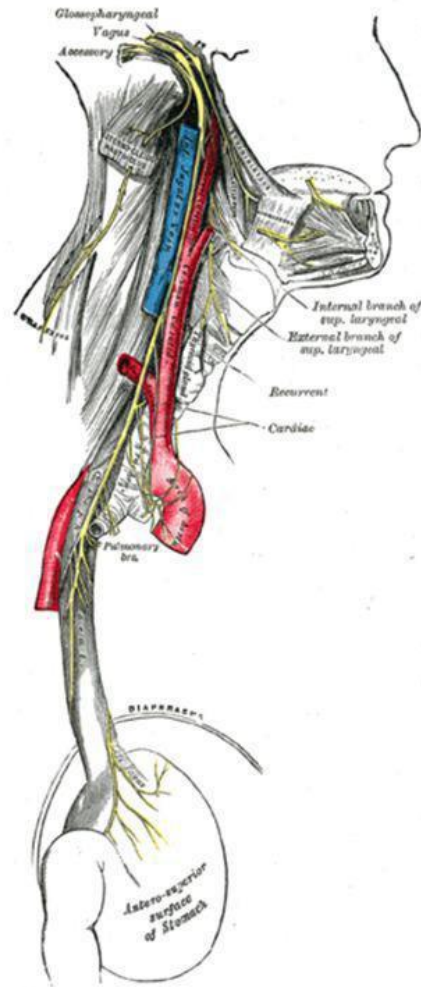
Regelt o.a. functie slokdarm/maag

Wordt doorgenomen

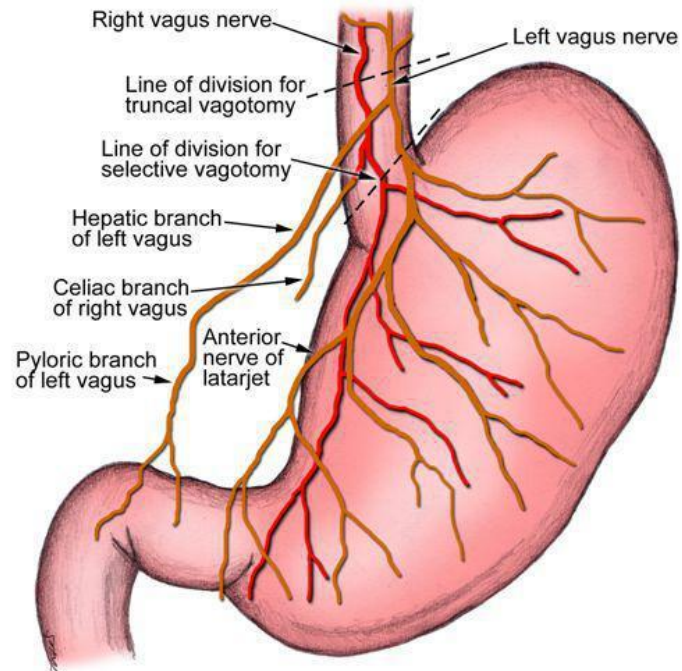
Vagotomie kan leiden tot vertraagde
buismaagontlediging en pylorospasme



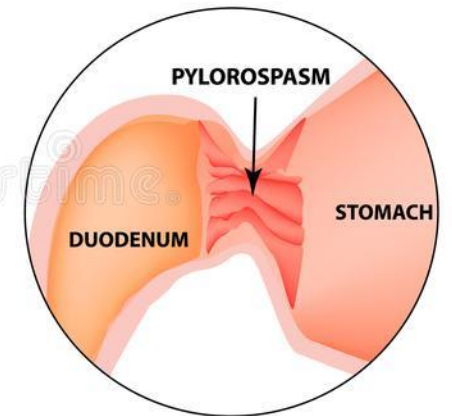
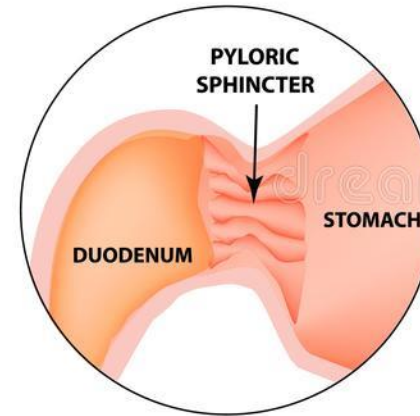
Nervus vagus



De nervus vagus



SPASMS OF THE PYLORUS





Nervus laryngeus recurrens

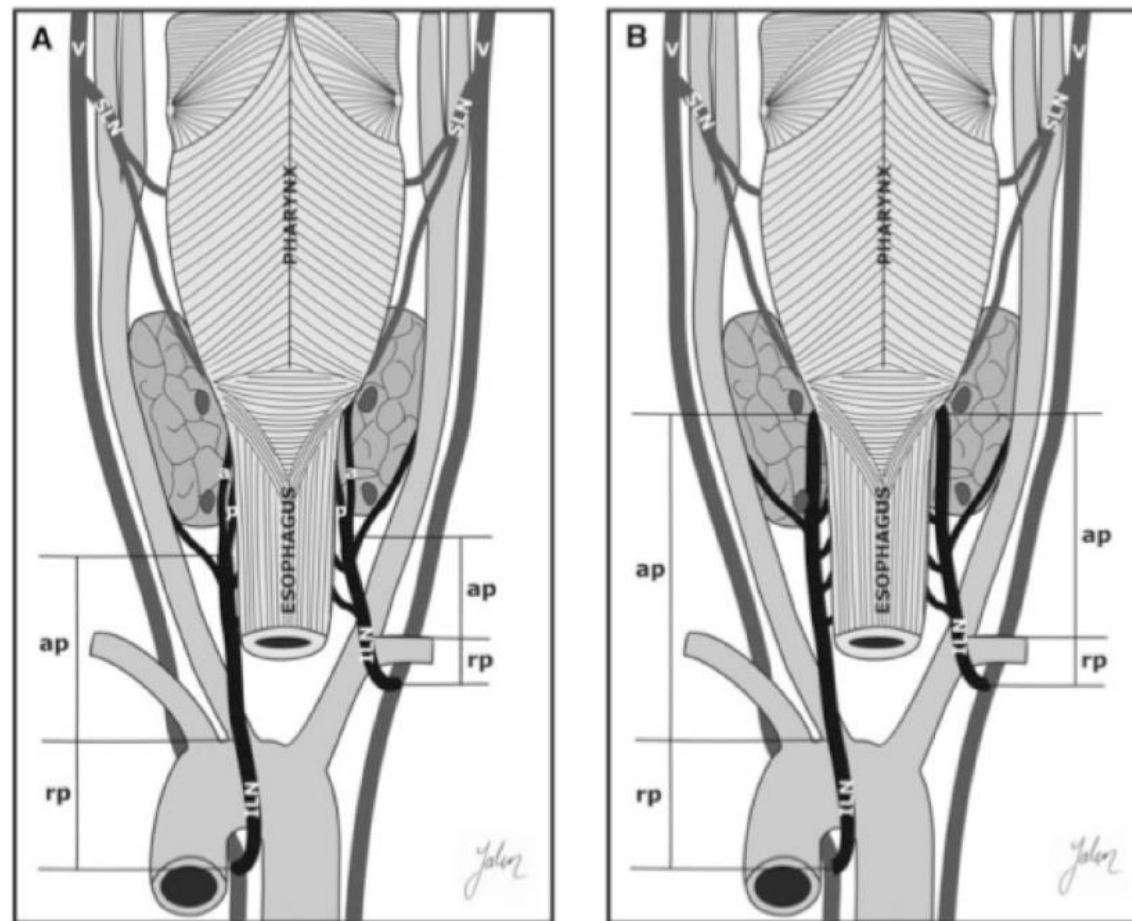
Komt van de nervus vagus af

Loopt terug omhoog

Rechts: om de arteria subclavia

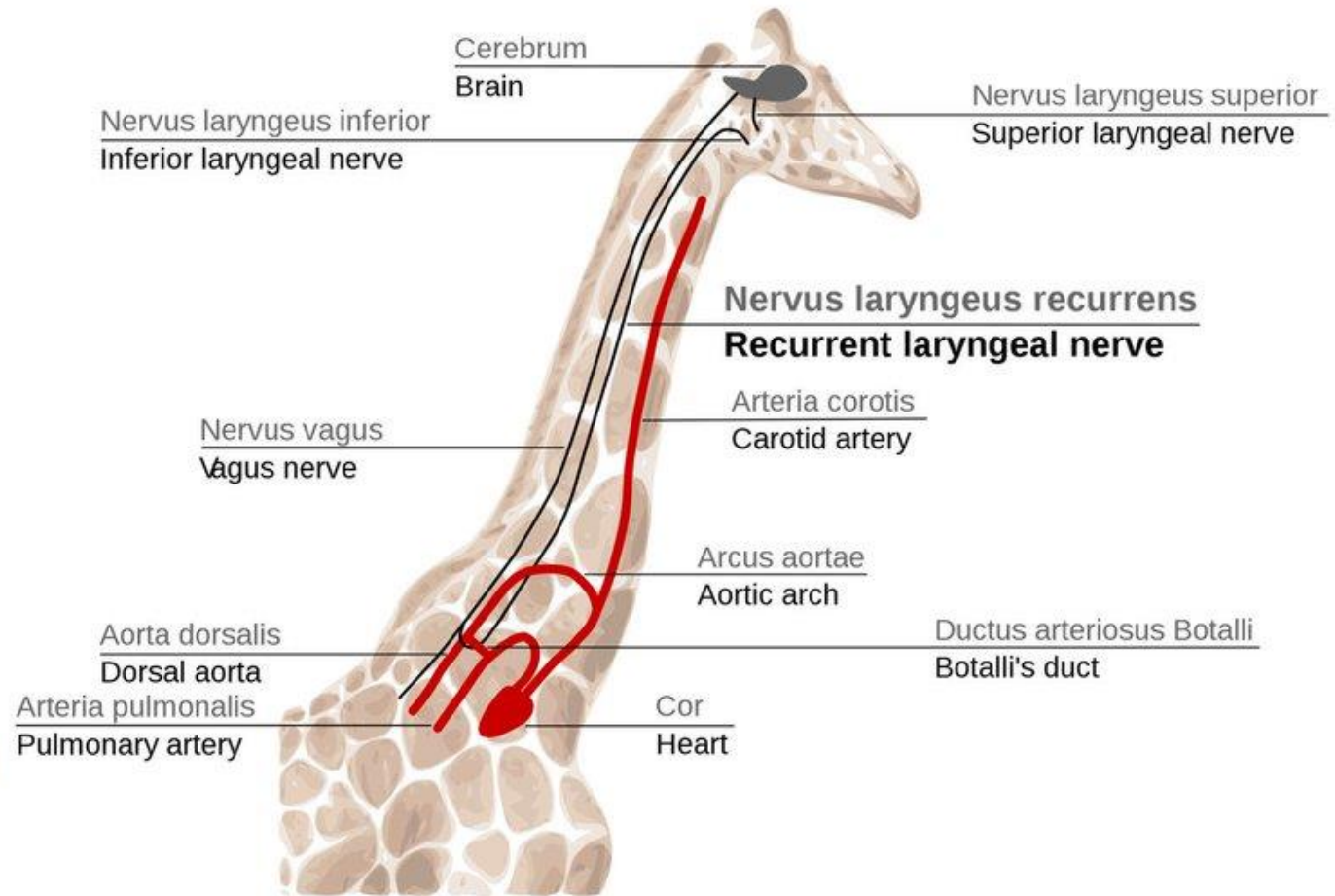
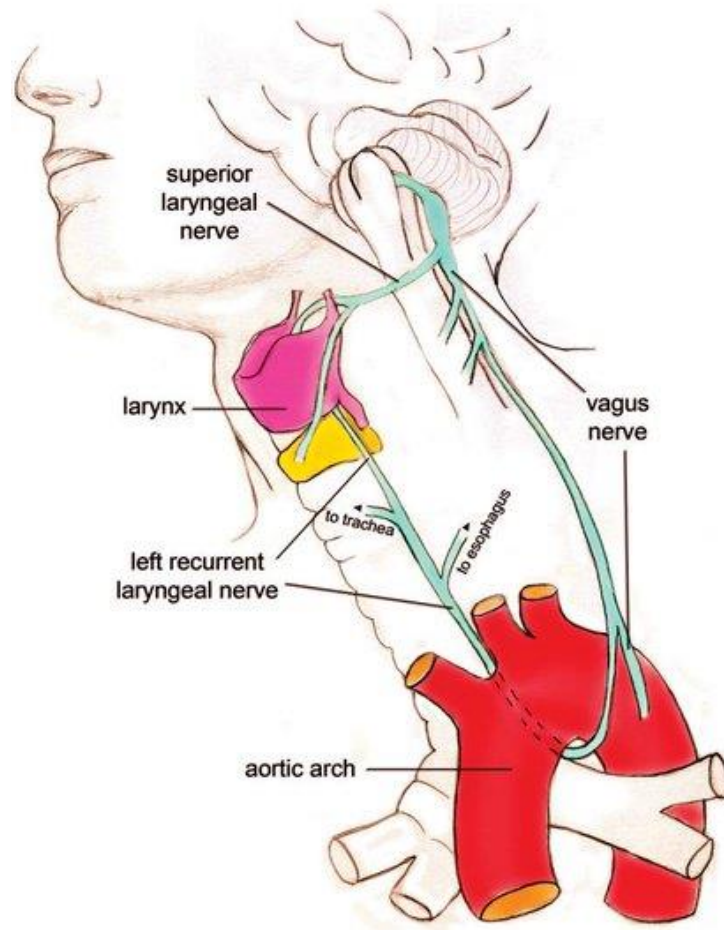
Links: om de aortaboog

Innerveert de spieren van het strottenhoofd





Nervus laryngeus recurrens



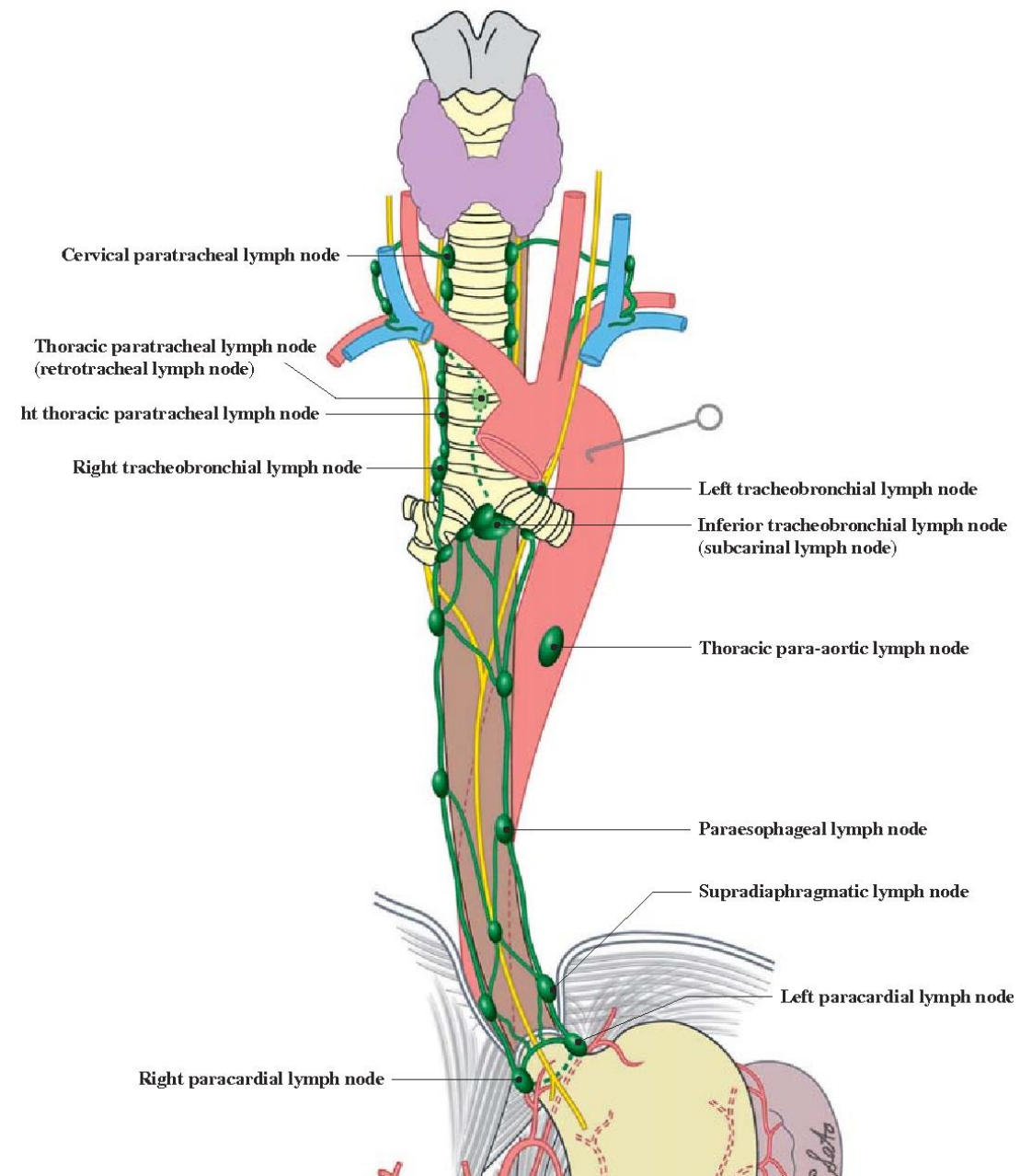


Nervus laryngeus recurrens

Bij beschadiging (door tumor of operatie):

1-zijdig: heesheid, kortademigheid, moeite met hoesten

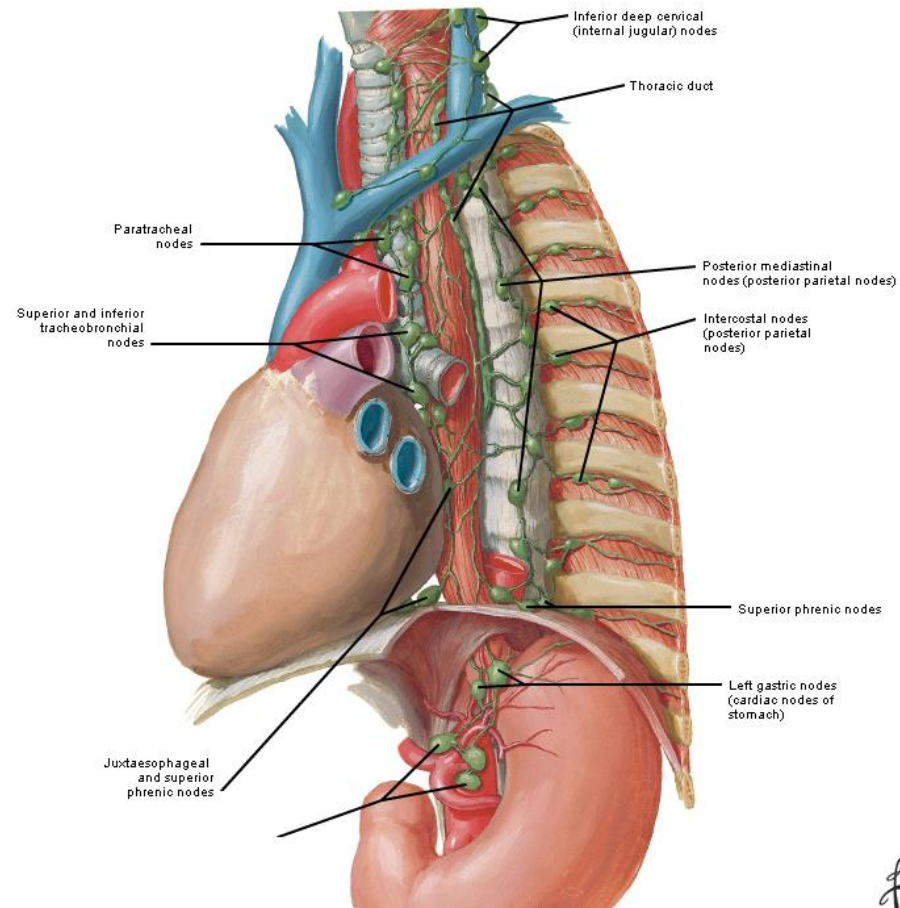
2-zijdig: inspiratoire stridor, verlies van stem



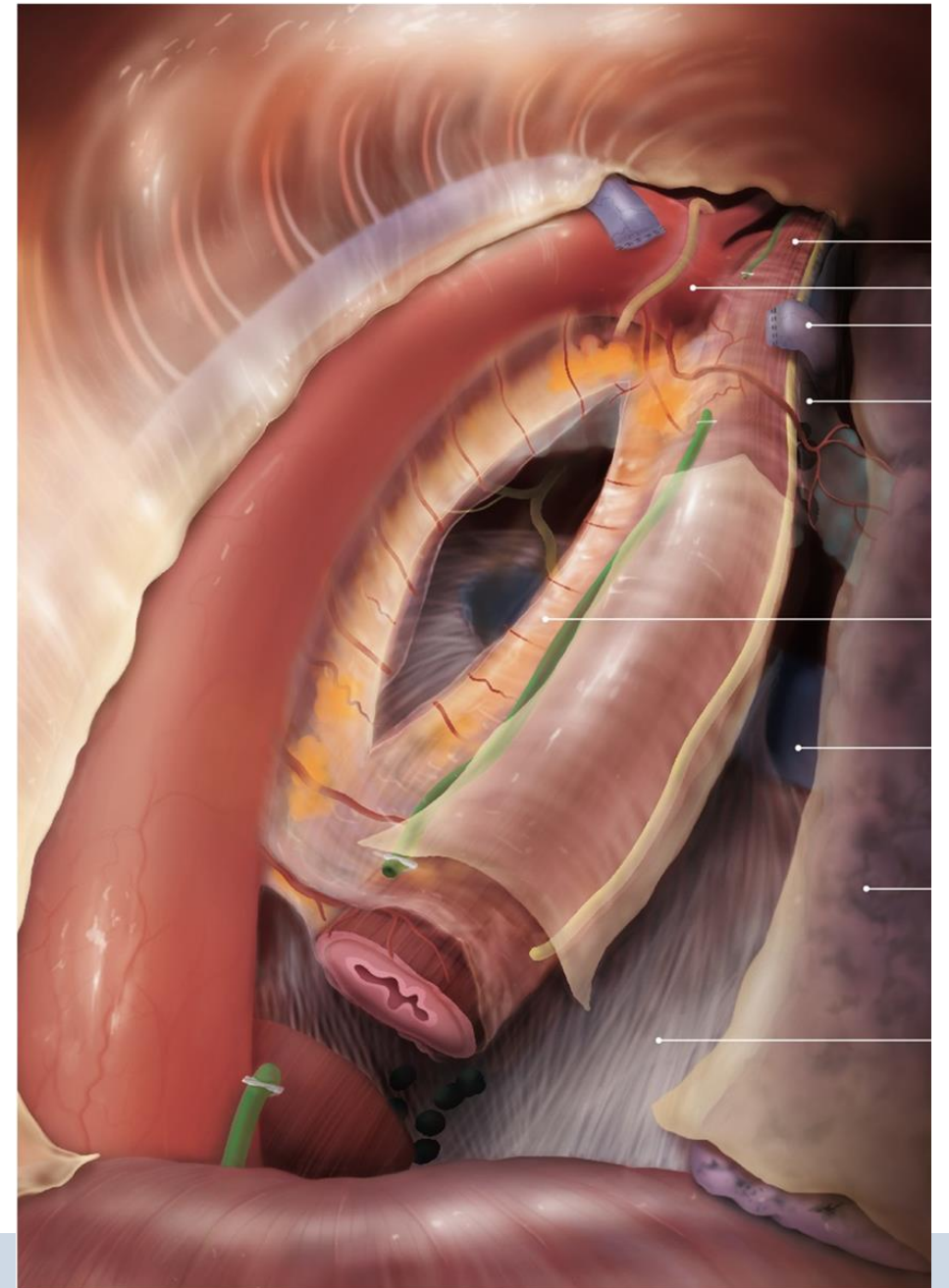


Ductus thoracicus

Lymph Vessels and Nodes of Esophagus



F. Netter M.D.
© 1994





Ductus thoracicus

Bij lekkage vanuit ductus thoracicus of zijtakjes:

Chylothorax

Behandeling:

MCT-dieet

Parenterale voeding

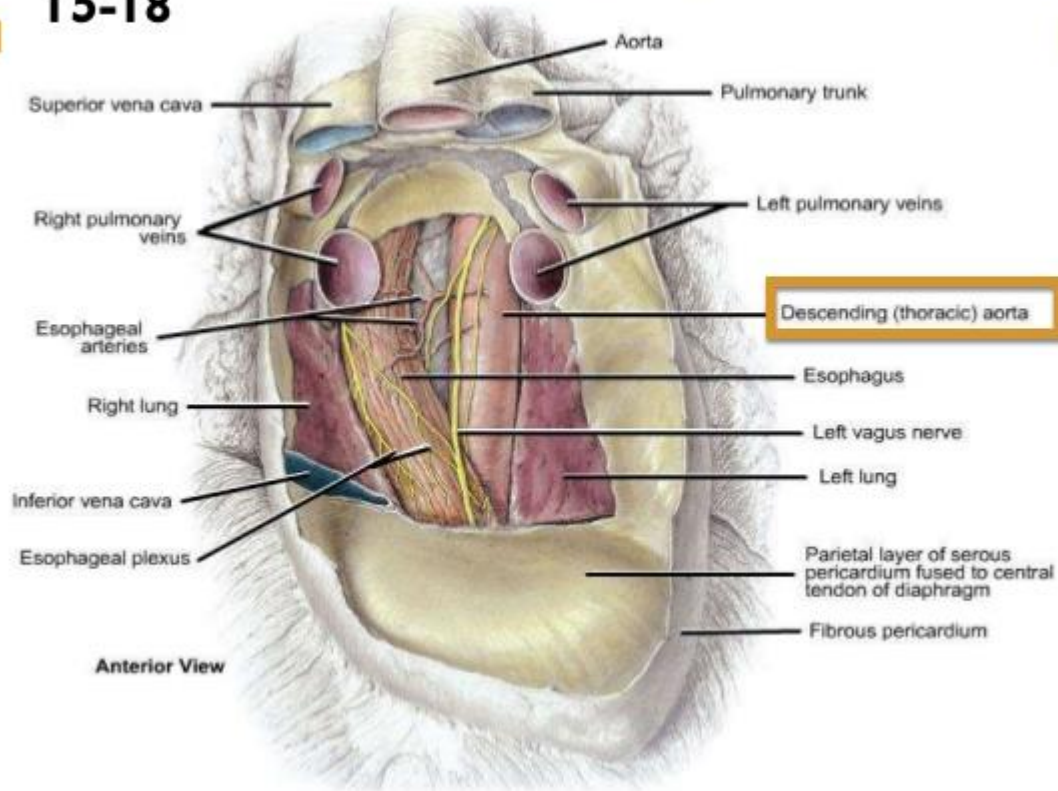
Heel zelden: chirurgisch



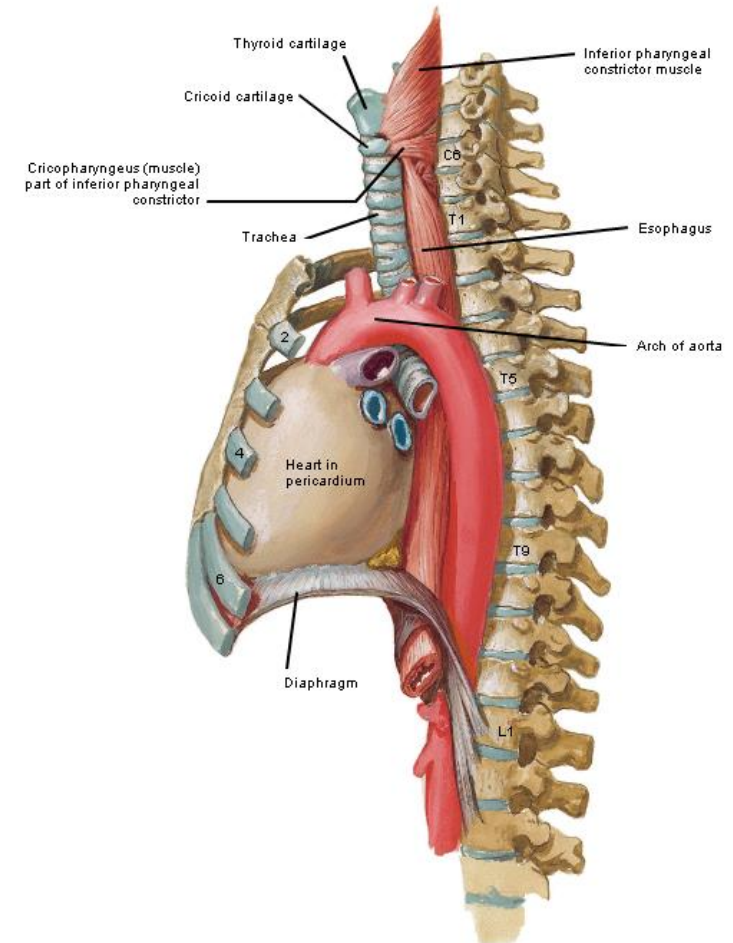


Pericard

Posterior Relations **DATE** **T5-T8**



Topography and Constrictions of Esophagus Lateral View



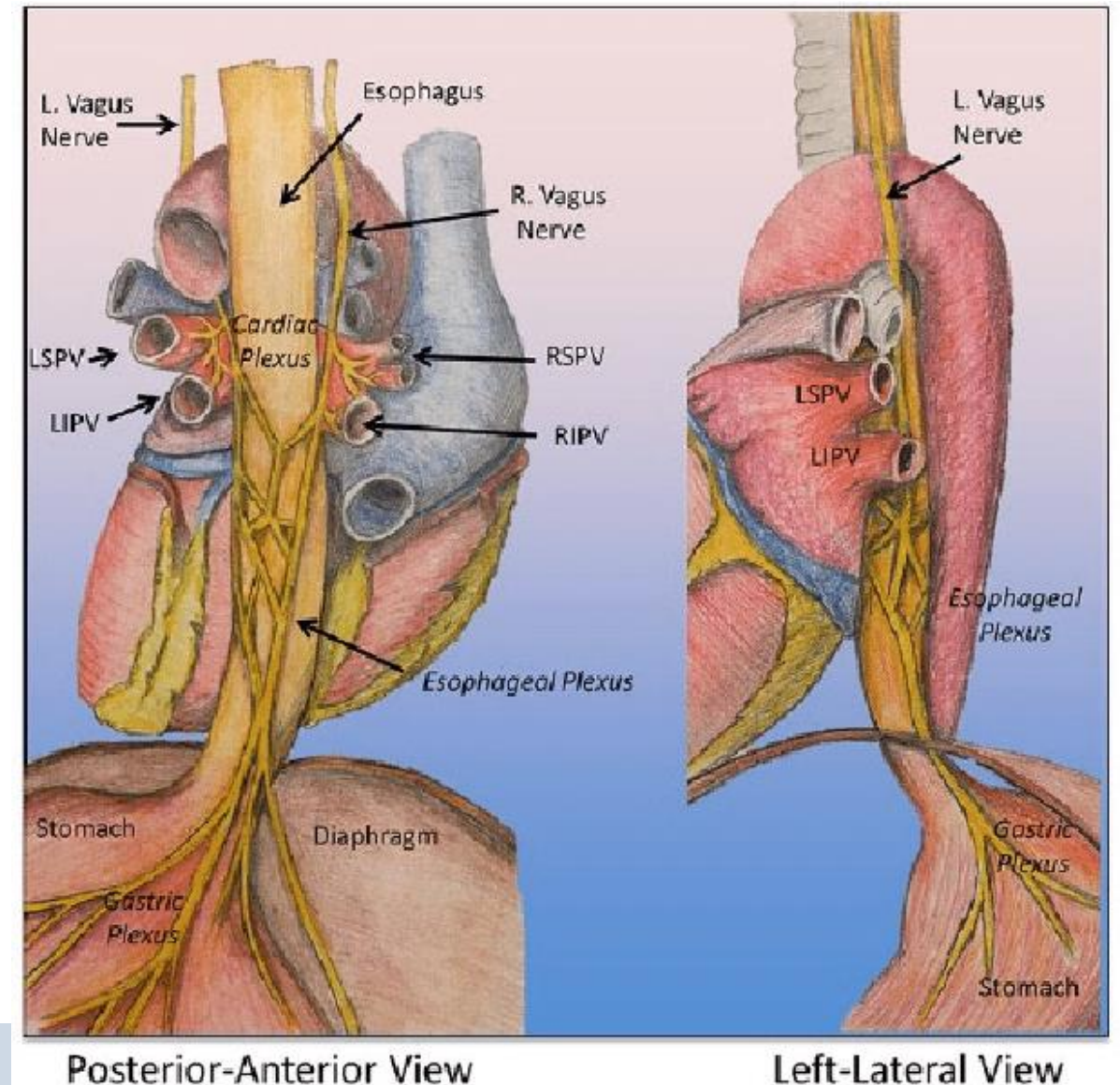


Pericard

Nauwe relatie met slokdarm

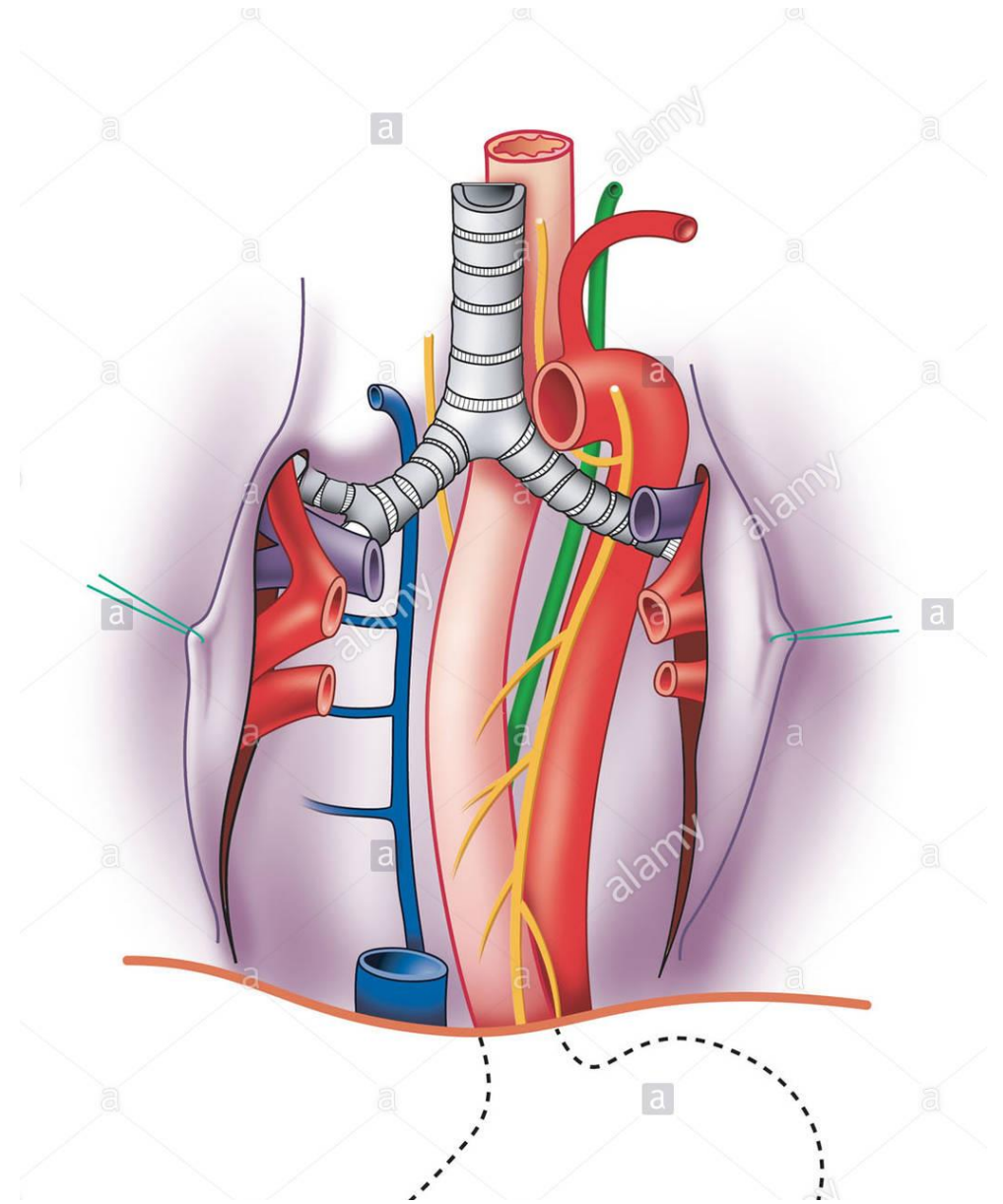
Kaal gemaakt bij operatie

Bij infectieuze complicaties:
Atriumfibrilleren





Trachea

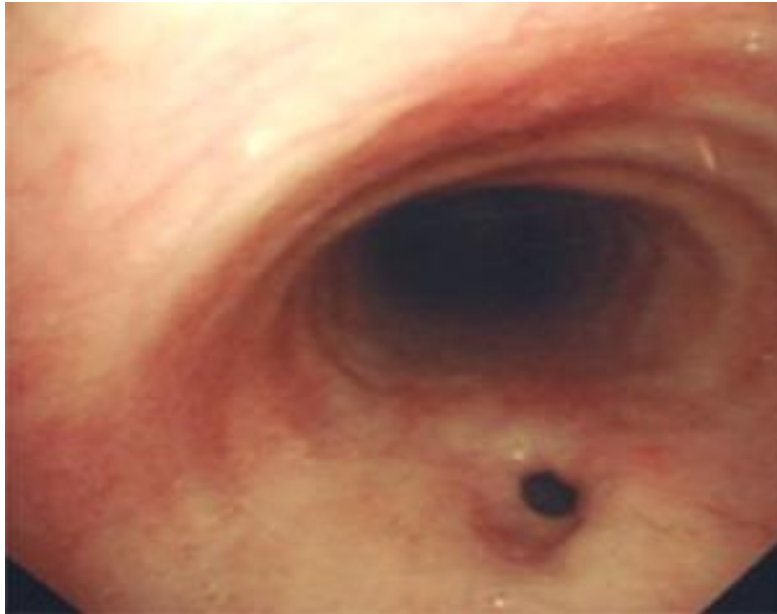




Trachea

Bij tumordoorgroei: fistel

Na 'gewone' operatie: hoesten





Conclusie

Slok darm-anatomie *lijkt* niet complex

Omgevende structuren maken de anatomie juist *zeer* complex!

Betekenis van aantal structuren uitgelicht m.b.t. postoperatieve complicaties

Anatomie van de slokdarm / maag

Vragen?

