

maag / slokdarmchirurgie

Eric Belgers

gastrointestinaal en oncologisch chirurg



zuyderland



Disclosure belangen spreker

(potentiële) belangenverstrengeling	Geen
Voor bijeenkomst mogelijk relevante relaties met bedrijven	Geen
<ul style="list-style-type: none">• Sponsoring of onderzoeksgeld• Honorarium of andere (financiële) vergoeding• Aandeelhouder• Andere relatie, namelijk ...	<ul style="list-style-type: none">••••



Sosef, slokdarm en maag



Hulsewe, slokdarm en maag



Belgers, slokdarm en maag



Stoot, maag



Snijders, VS



Sormani, VS



Stohr, VS io



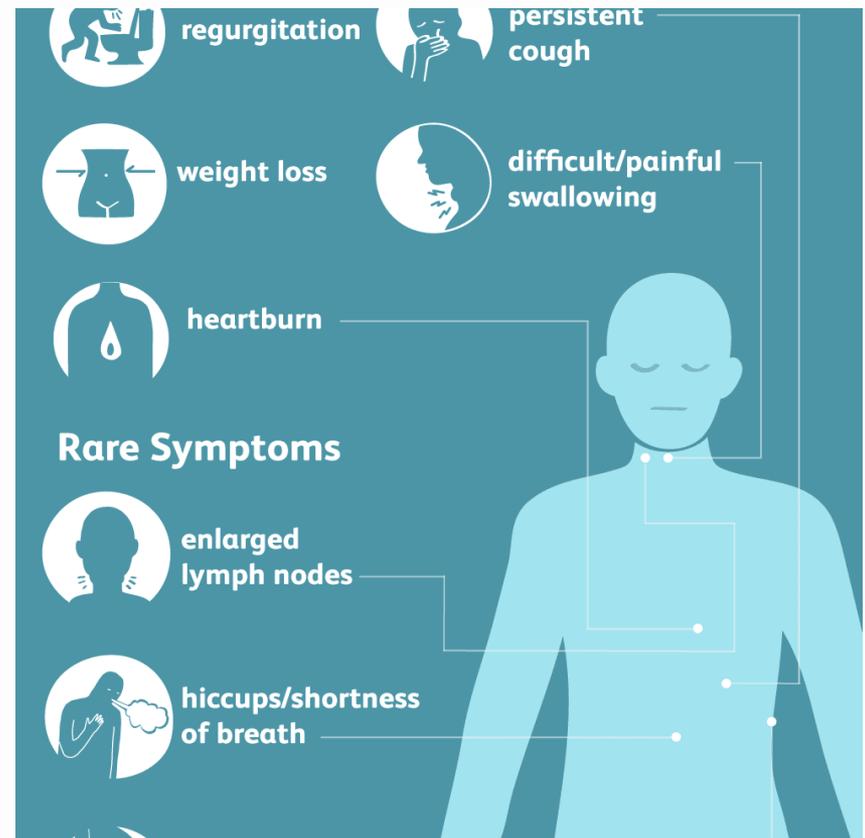
Daher, VS io



Bartelink, verpl

symptomen

- dysfagie
- braken
- hematemesis – melena
- anemie
- gewichtsverlies



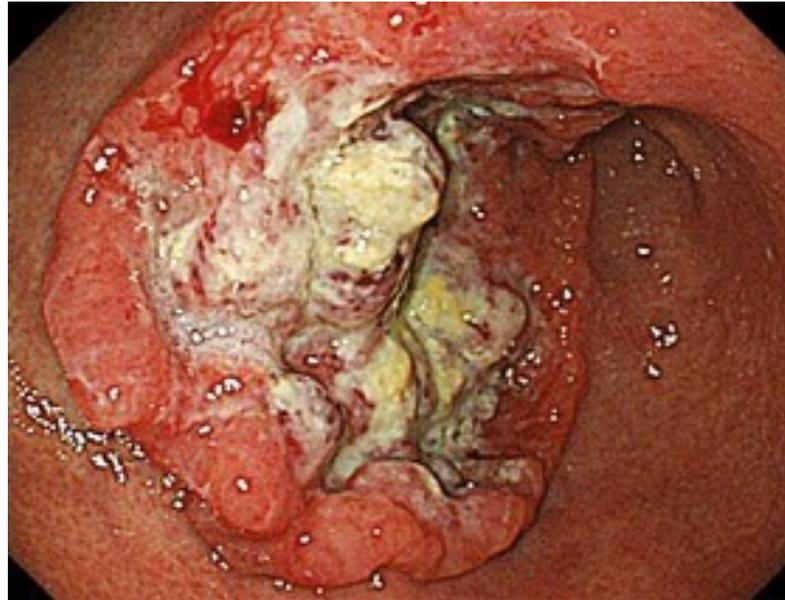
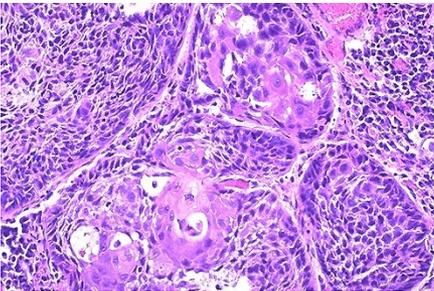
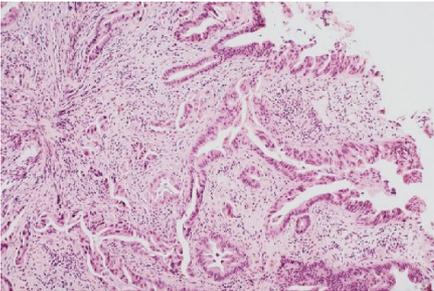
risicofactoren

- roken
- alcohol
- refluxziekte
- obesitas



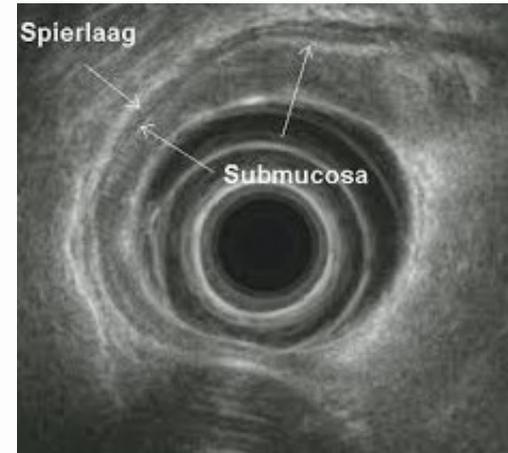
diagnostiek

- endoscopie met biopt



stadiëring

- endoscopische echografie
- PET- CT vs CT
- diagnostische laparoscopie



perioperatieve behandeling

- ip elke >T1N0
- geen M+, met uitzonderingen
- opties

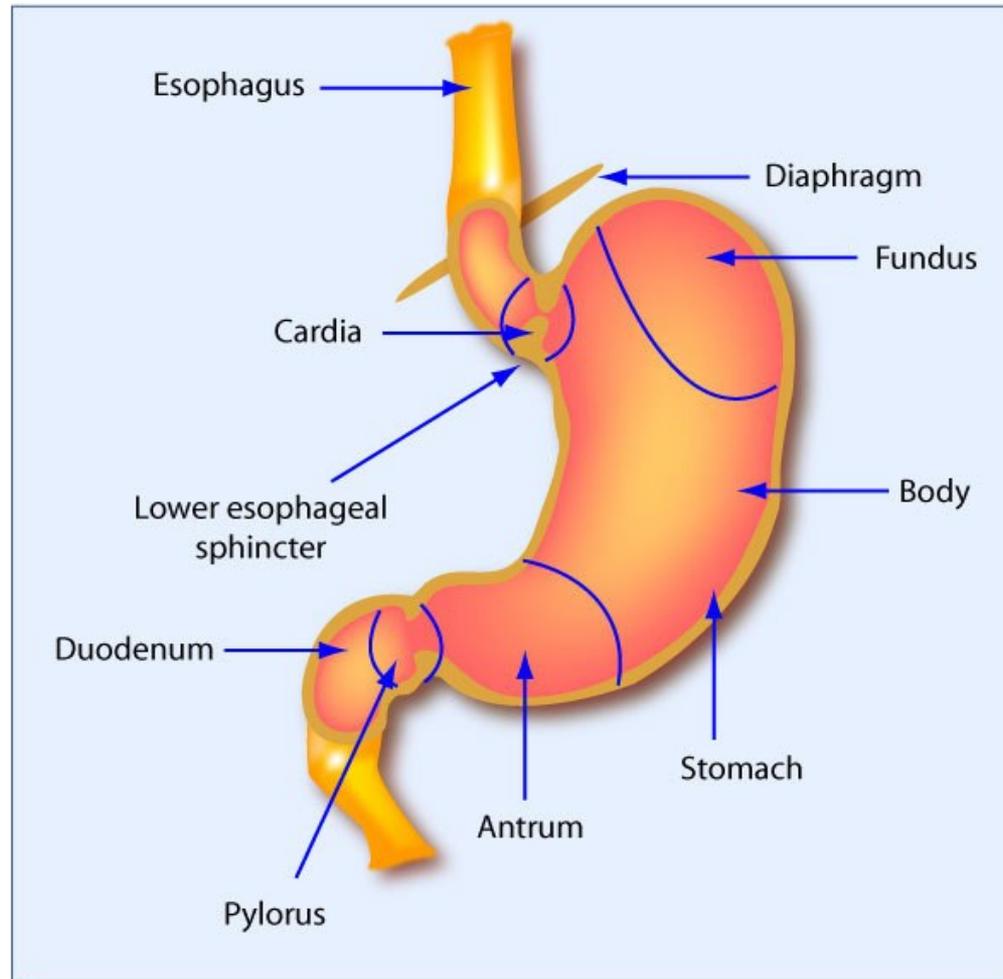
maag:

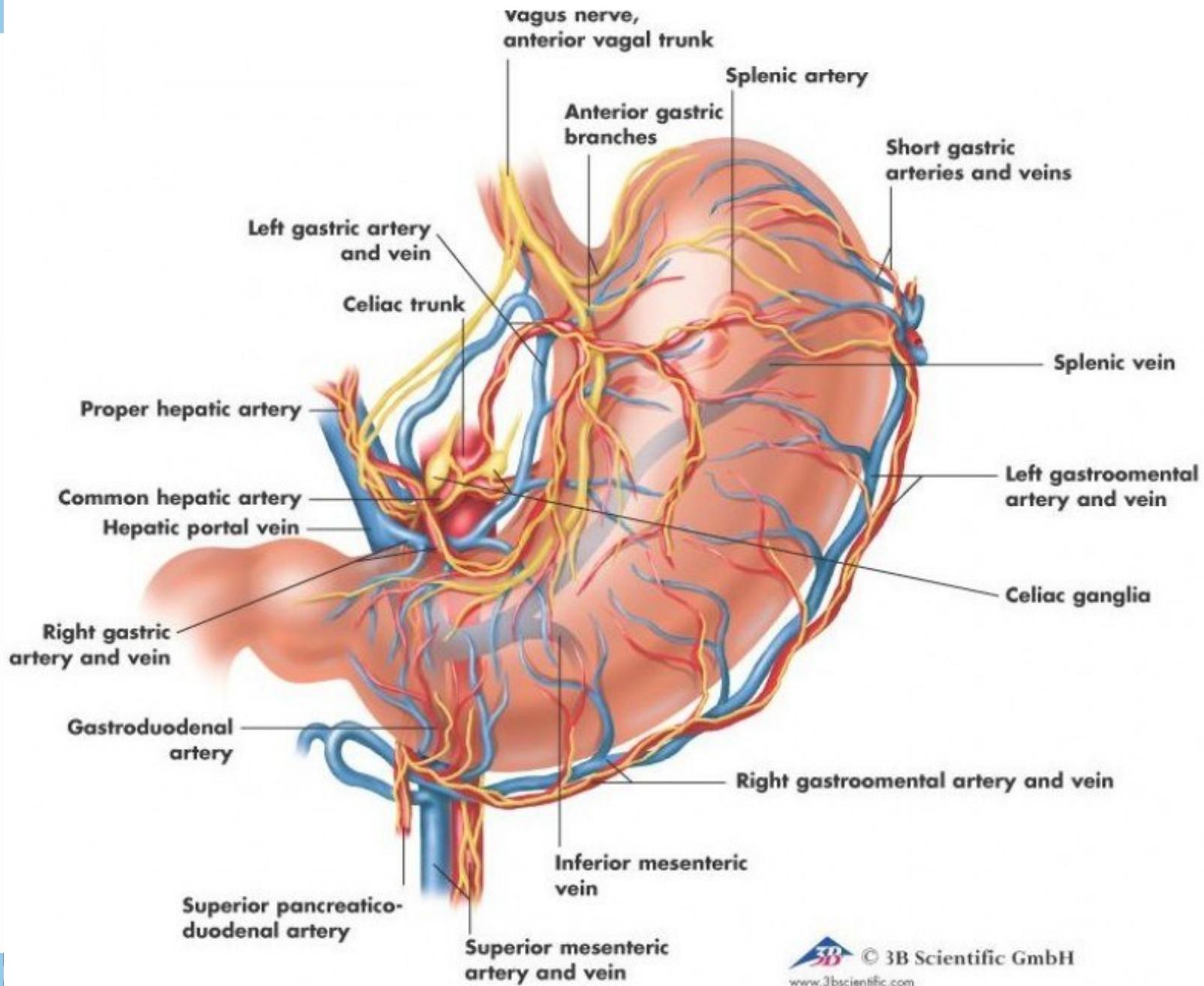
chemo – OK – chemo / CRT

slokdarm

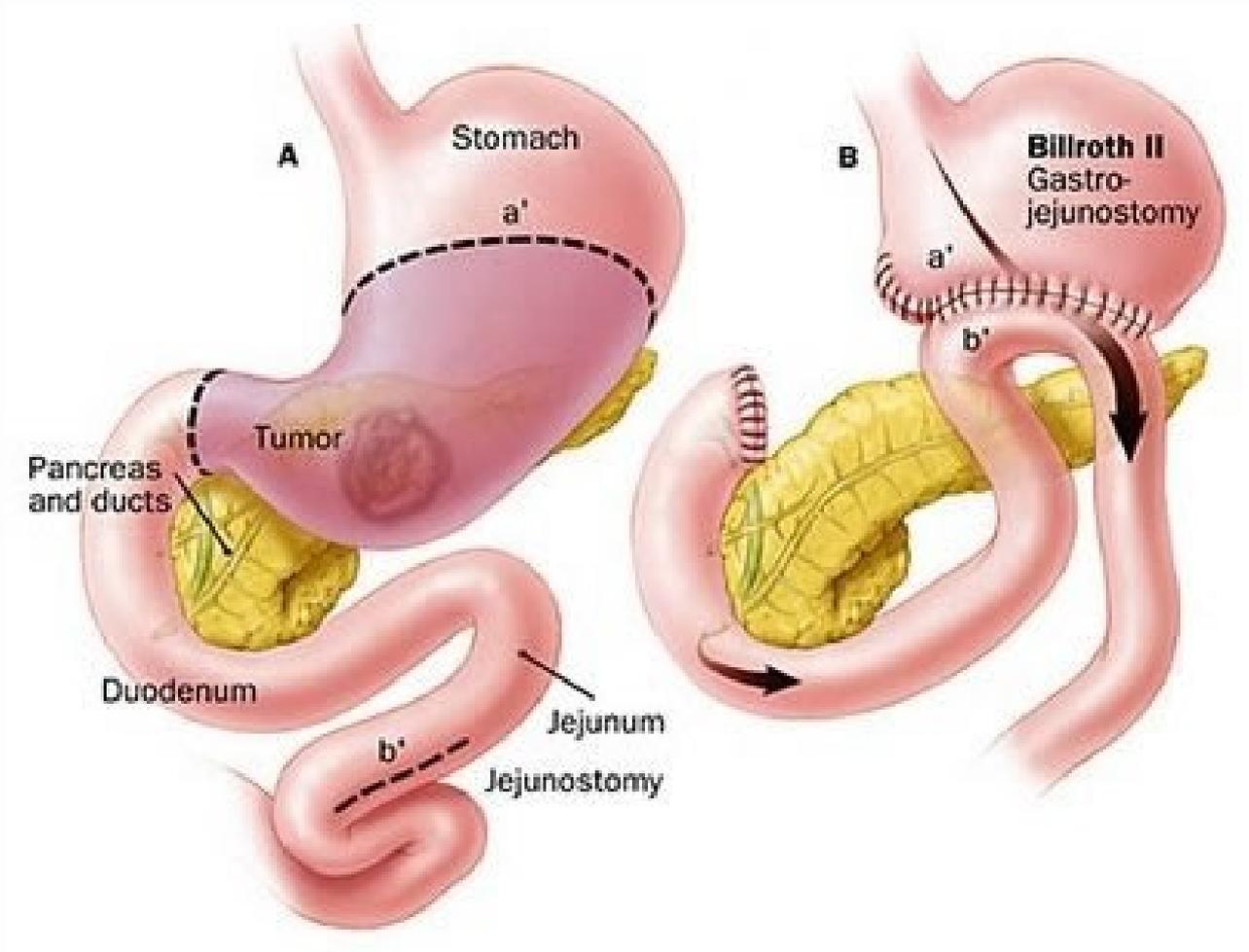
nCRT - OK

anatomie

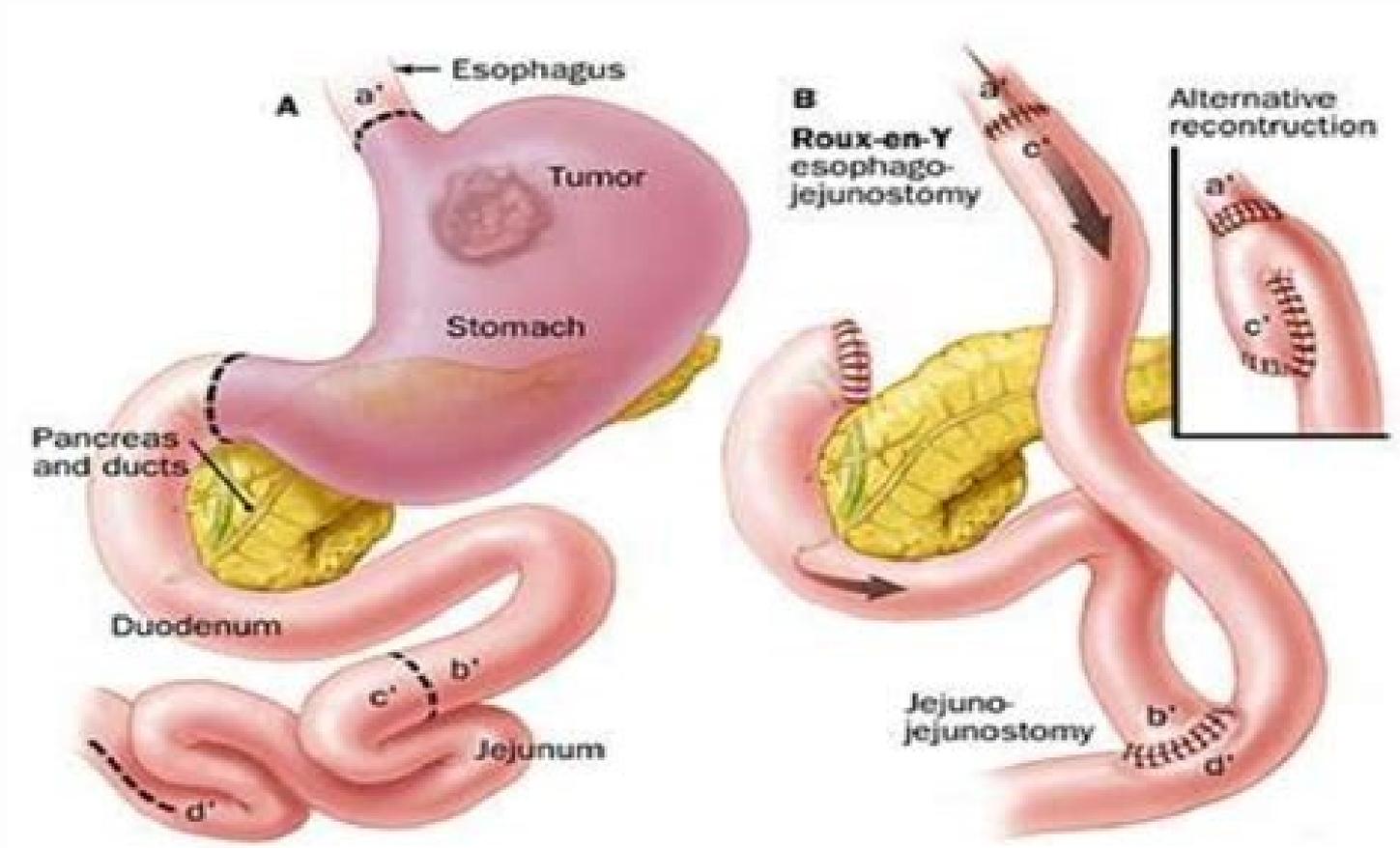




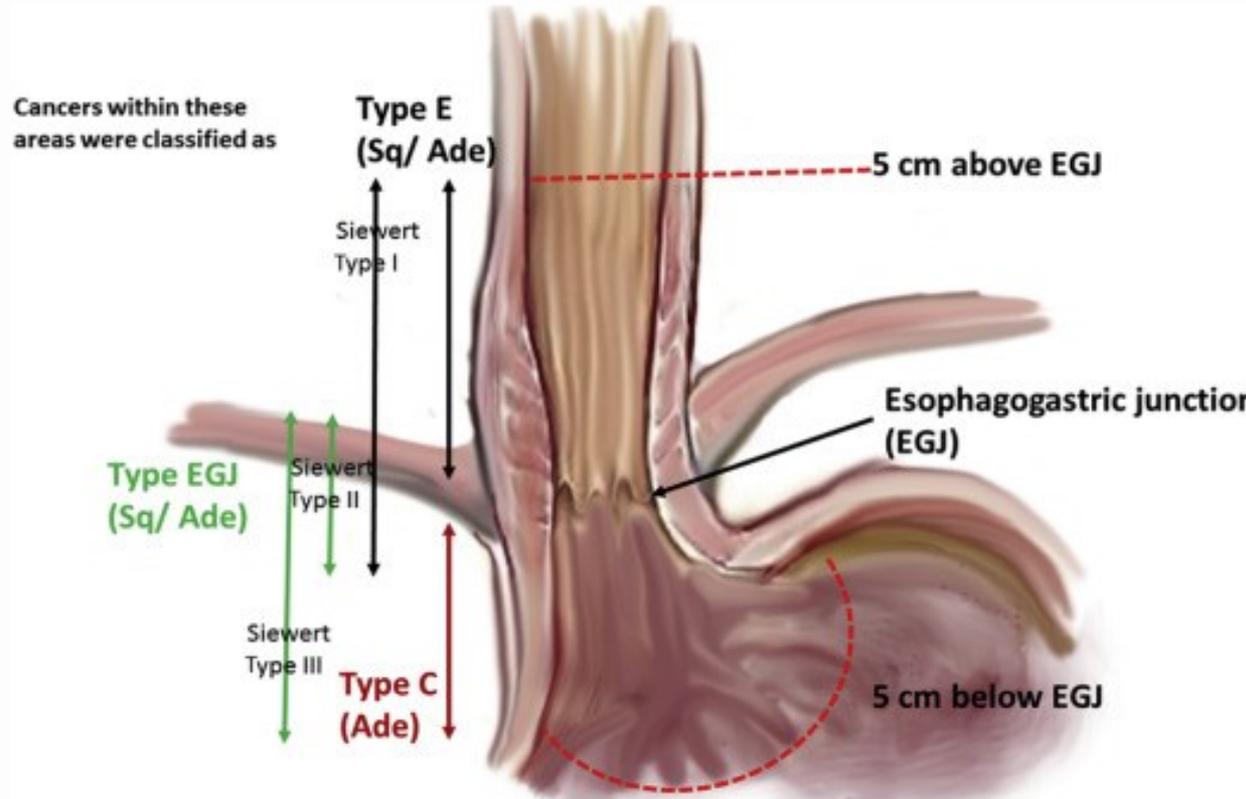
subtotale maagresectie



totale maagresectie



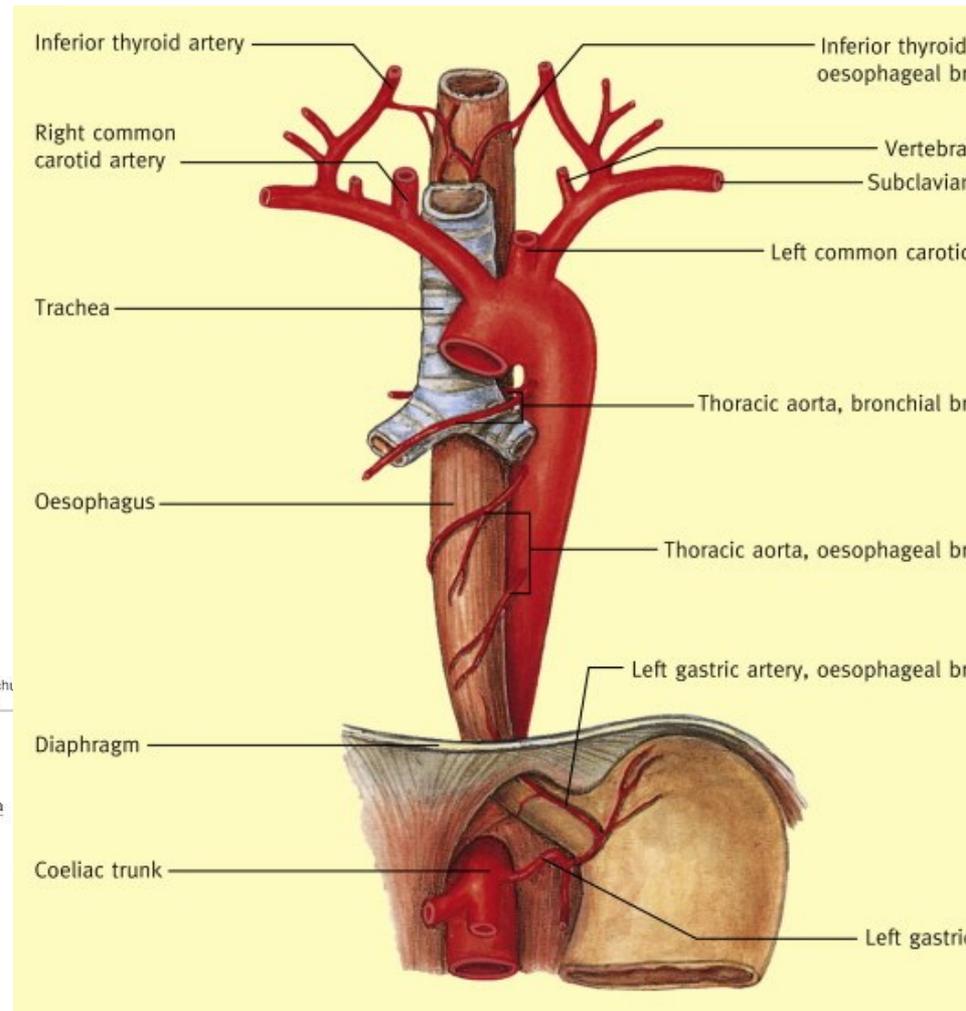
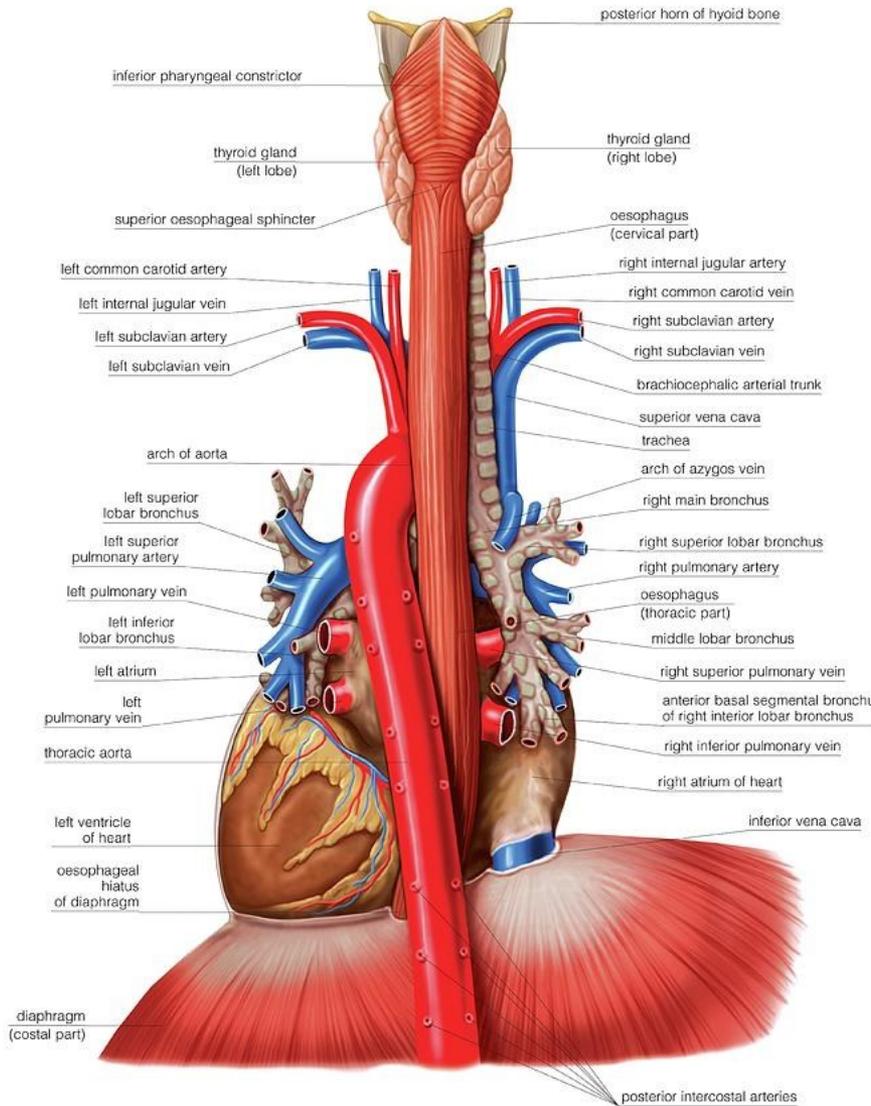
junction tumoren

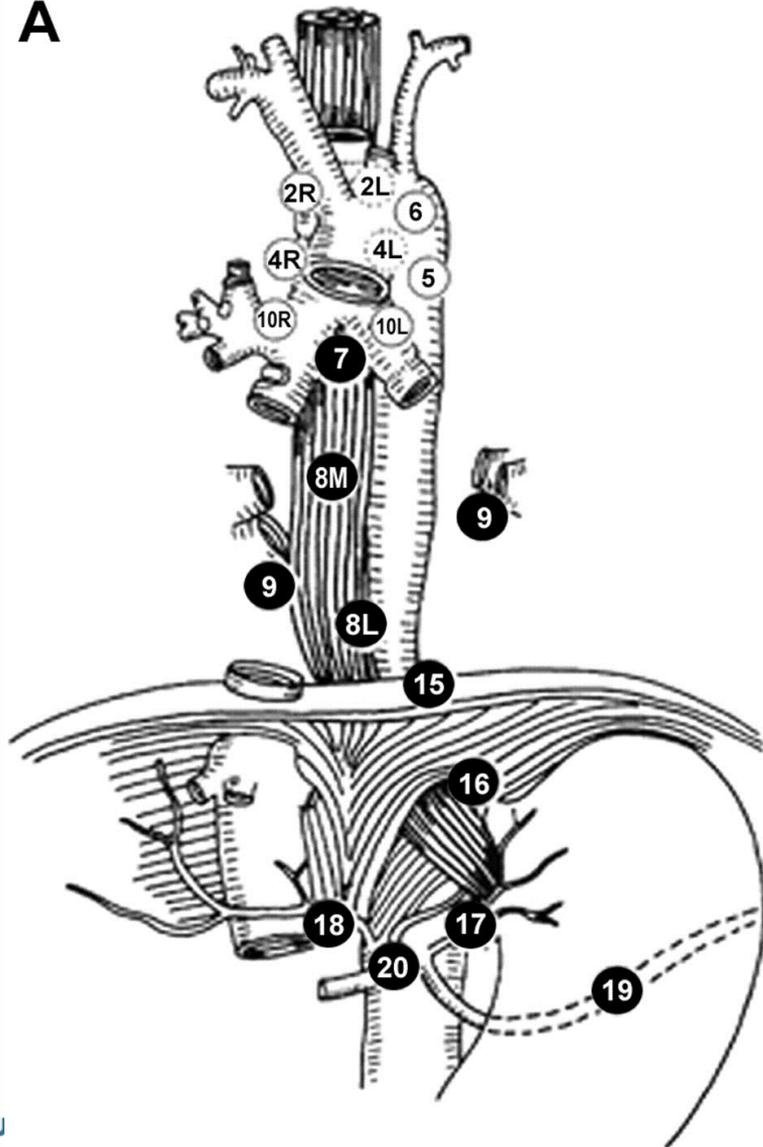
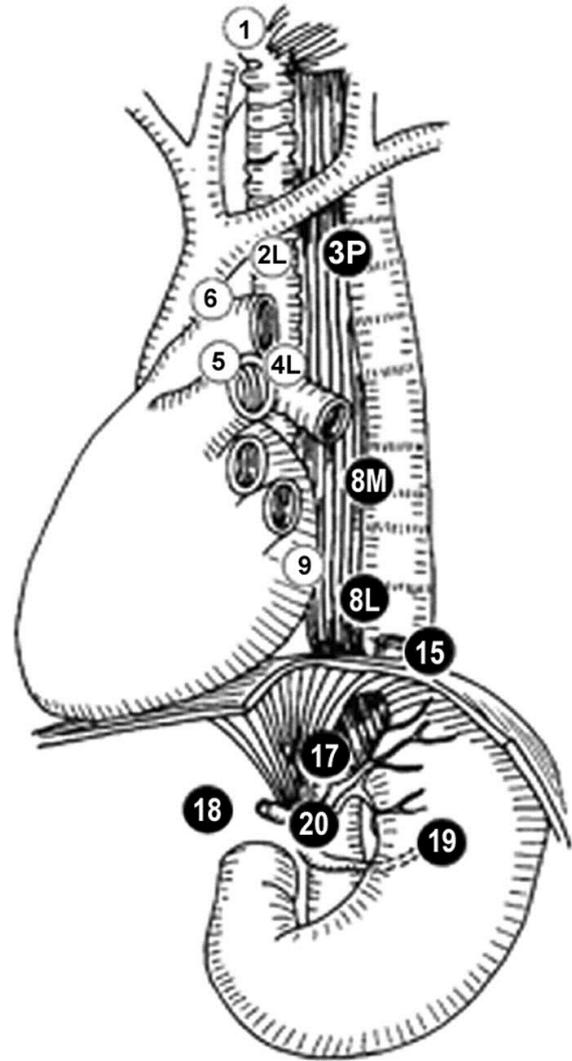


thoracophrenicolaparotomie





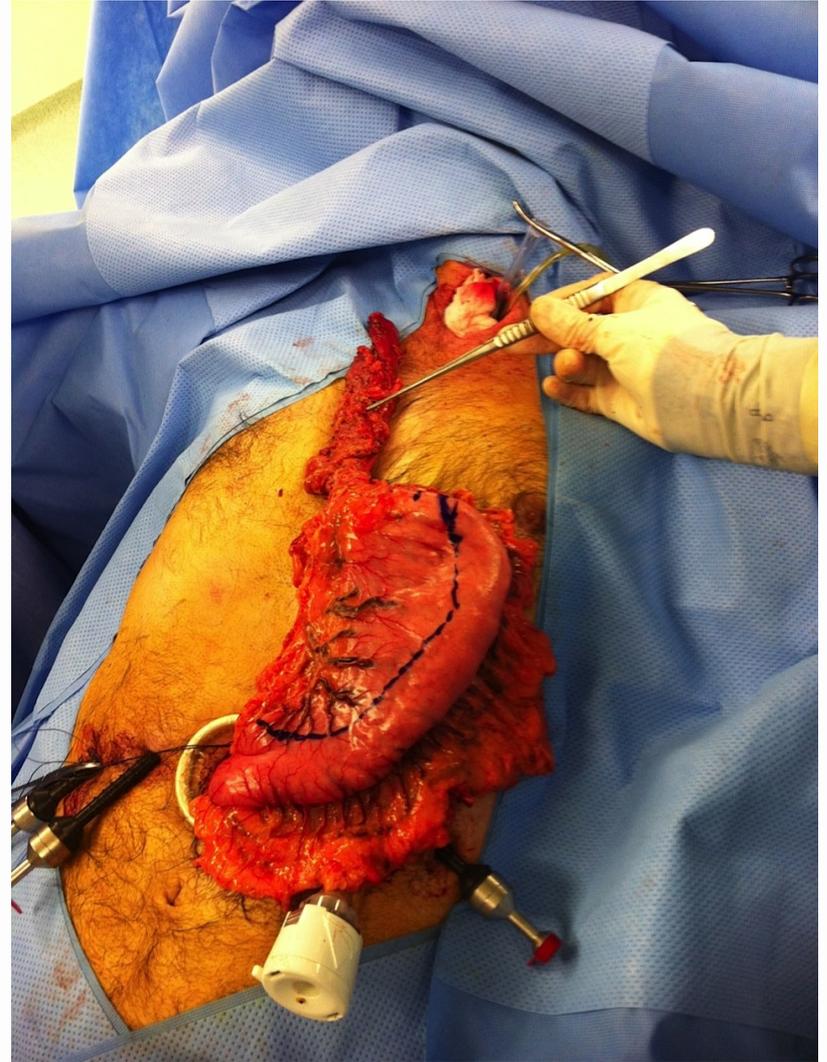


A**B**

chirurgie slokdarm

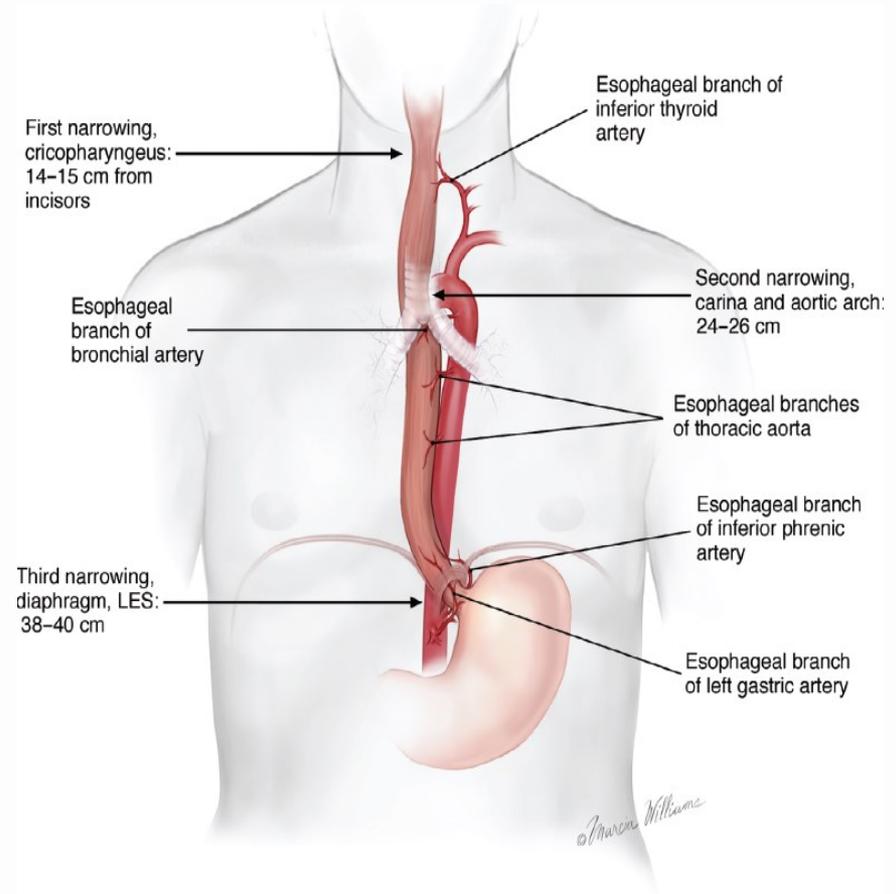
- McKeown
- Ivor Lewis
- Orringer

- colon interponaat



McKeown

- McKeown
 1. thoracoscopie rechts
 2. laparoscopie
 3. cervicotomie links

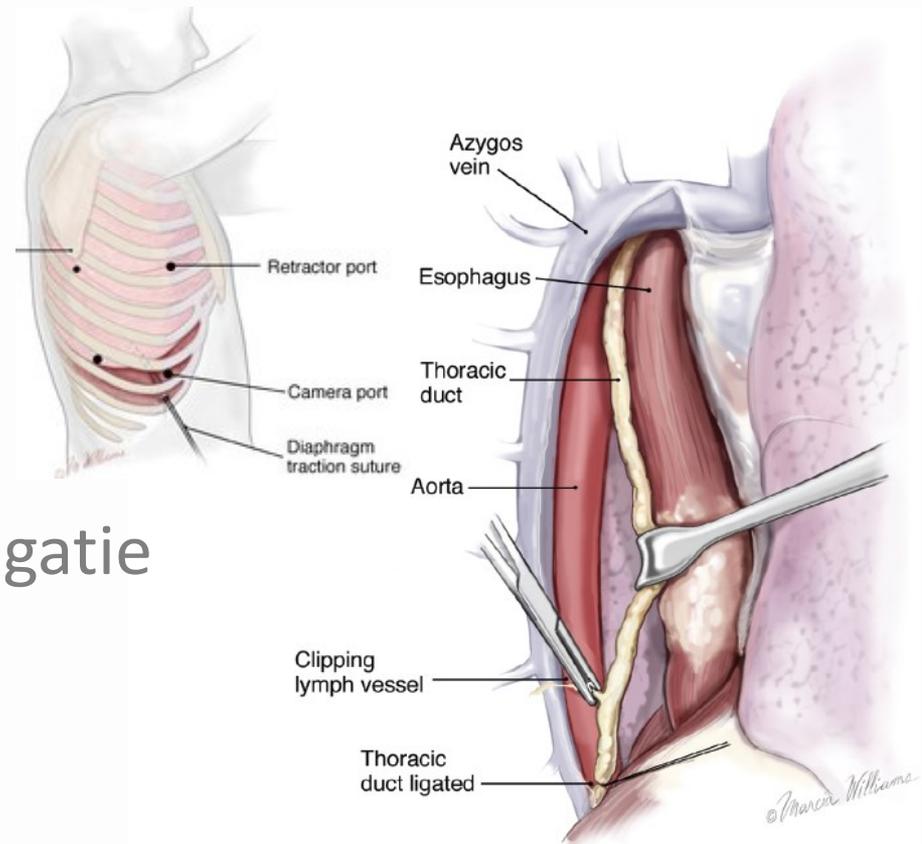


source: D. J. Sugarbaker, R. Bueno, Y. L. Colson, M. T. Jaklitsch, M. J. Krasna, S. J. Mentzer,
1. Williams, A. Adams: *Adult Chest Surgery*, 2nd Edition: www.accesssurgery.com
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McKeown

- thoracoscopie

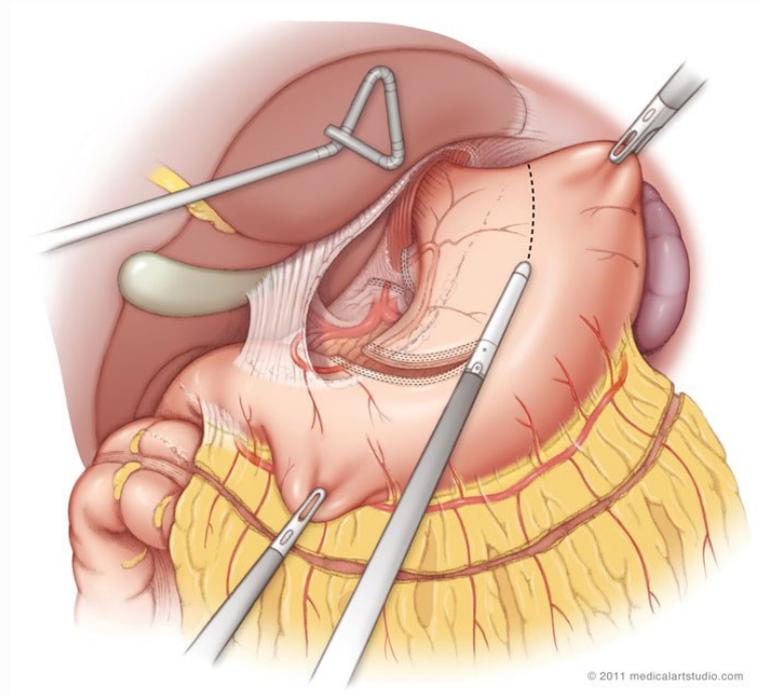
- Rechts
- Buikligging
- Insufflatie
- Klierdissectie
- Ductus thoracicus ligatie
- Vena azygos ligatie
- Thoraxdrain



Source: D. J. Sugarbaker, R. Bueno, Y. L. Colson, M. T. Jaklitsch, M. J. Krasna, S. J. Mentzer, Williams, A. Adams: *Adult Chest Surgery*, 2nd Edition: www.accesssurgery.com
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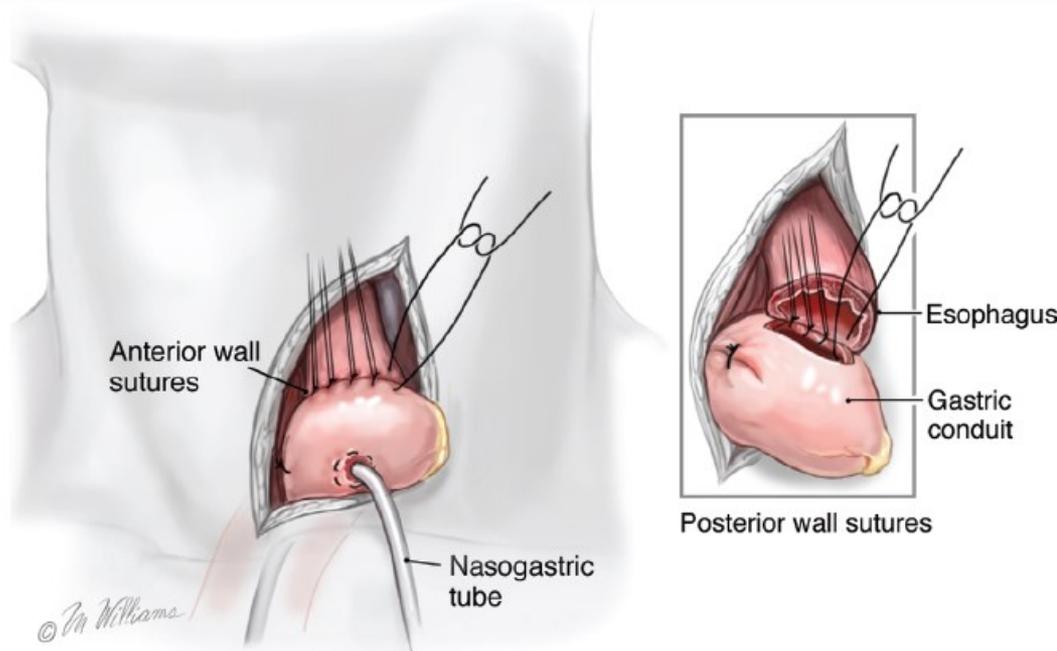
McKeown

- laparoscopie

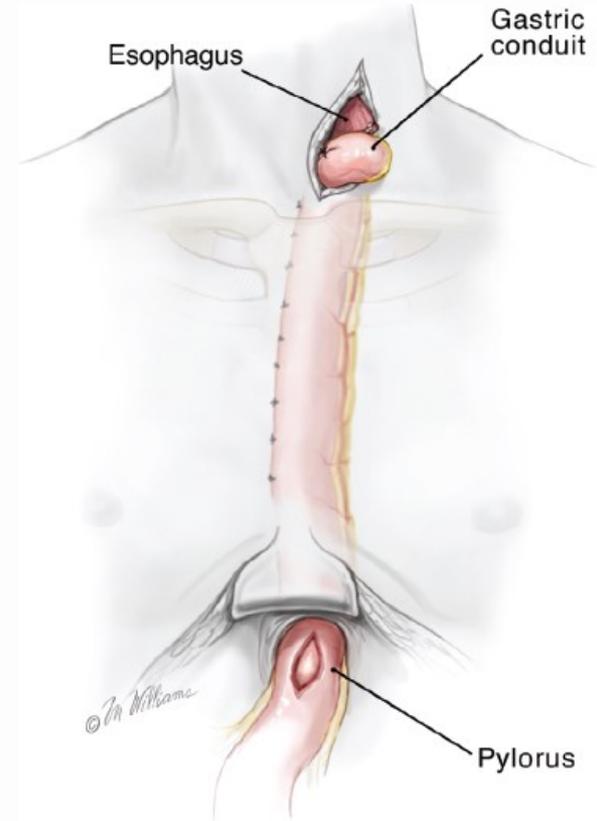


McKeown

- cervicotomie



source: D. J. Sugarbaker, R. Bueno, Y. L. Colson, M. T. Jaklitsch, M. J. Krasna, S. J. Mentzer, A. Williams, A. Adams: *Adult Chest Surgery*, 2nd Edition: www.accesssurgery.com
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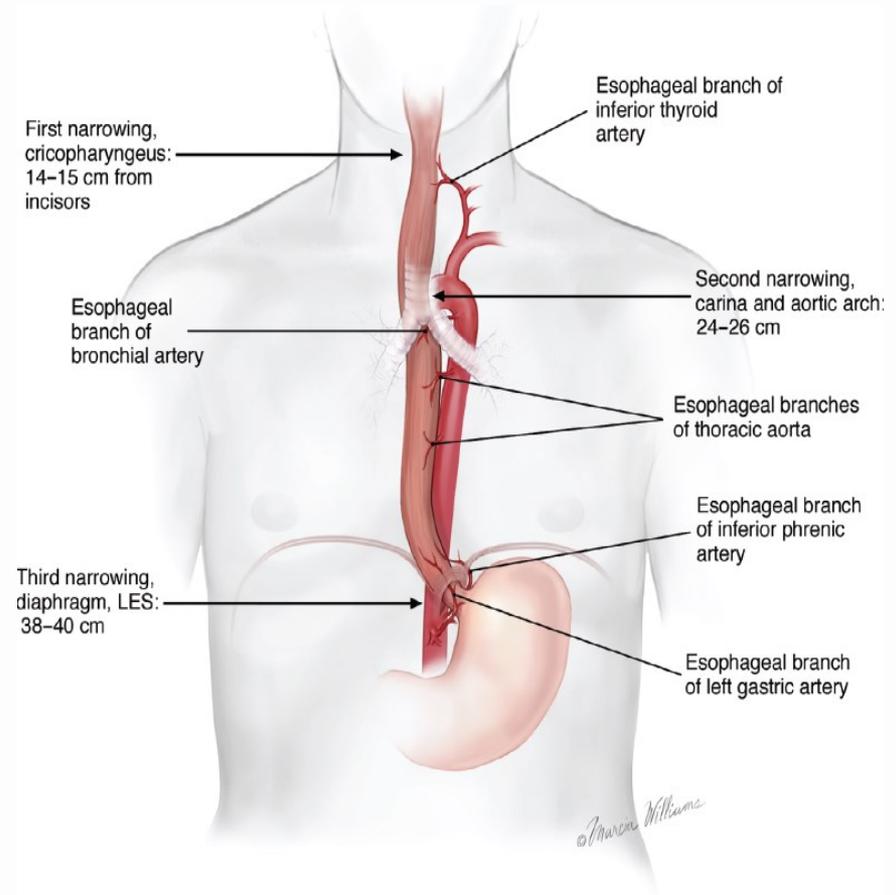
source: D. J. Sugarbaker, R. Bueno, Y. L. Colson, M. T. Jaklitsch, M. J. Krasna, S. J. Mentzer, A. Williams, A. Adams: *Adult Chest Surgery*, 2nd Edition: www.accesssurgery.com
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Ivor Lewis

- Ivor Lewis

laparoscopie

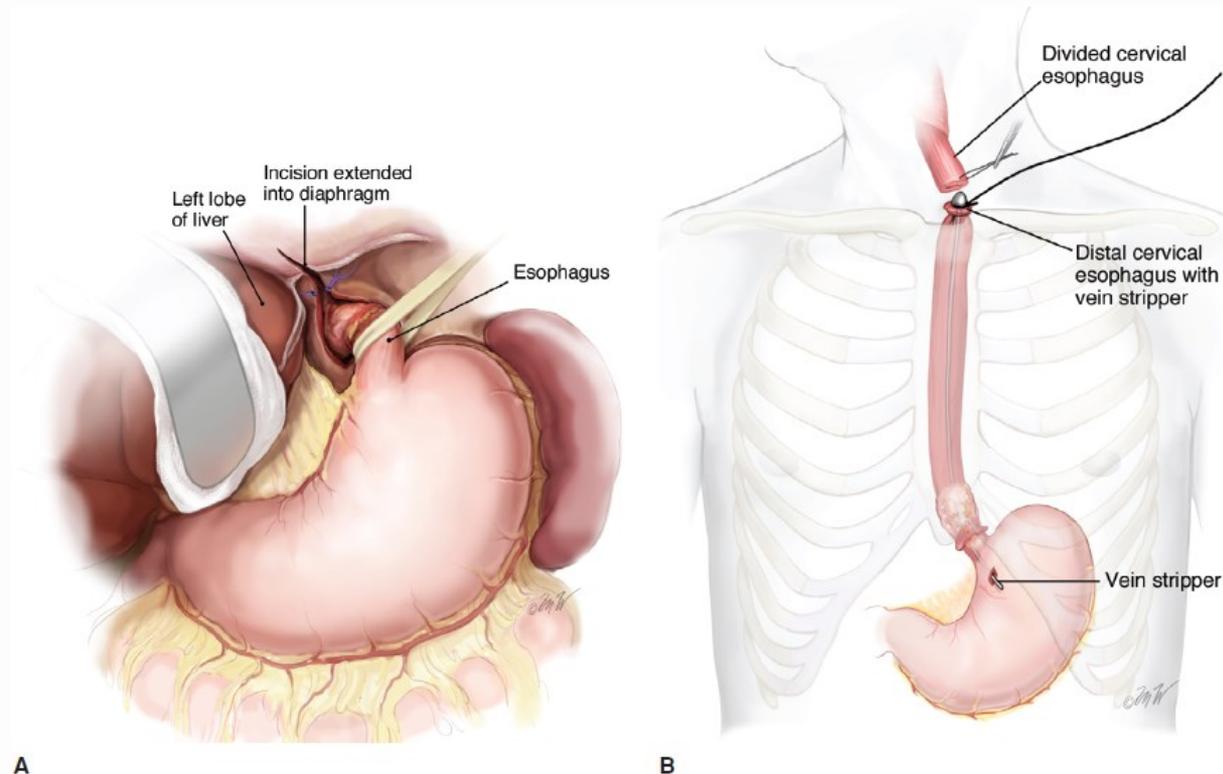
thoracoscopie rechts



source: D. J. Sugarbaker, R. Bueno, Y. L. Colson, M. T. Jaklitsch, M. J. Krasna, S. J. Mentzer,
1. Williams, A. Adams: *Adult Chest Surgery*, 2nd Edition: www.accesssurgery.com
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ORRINGER

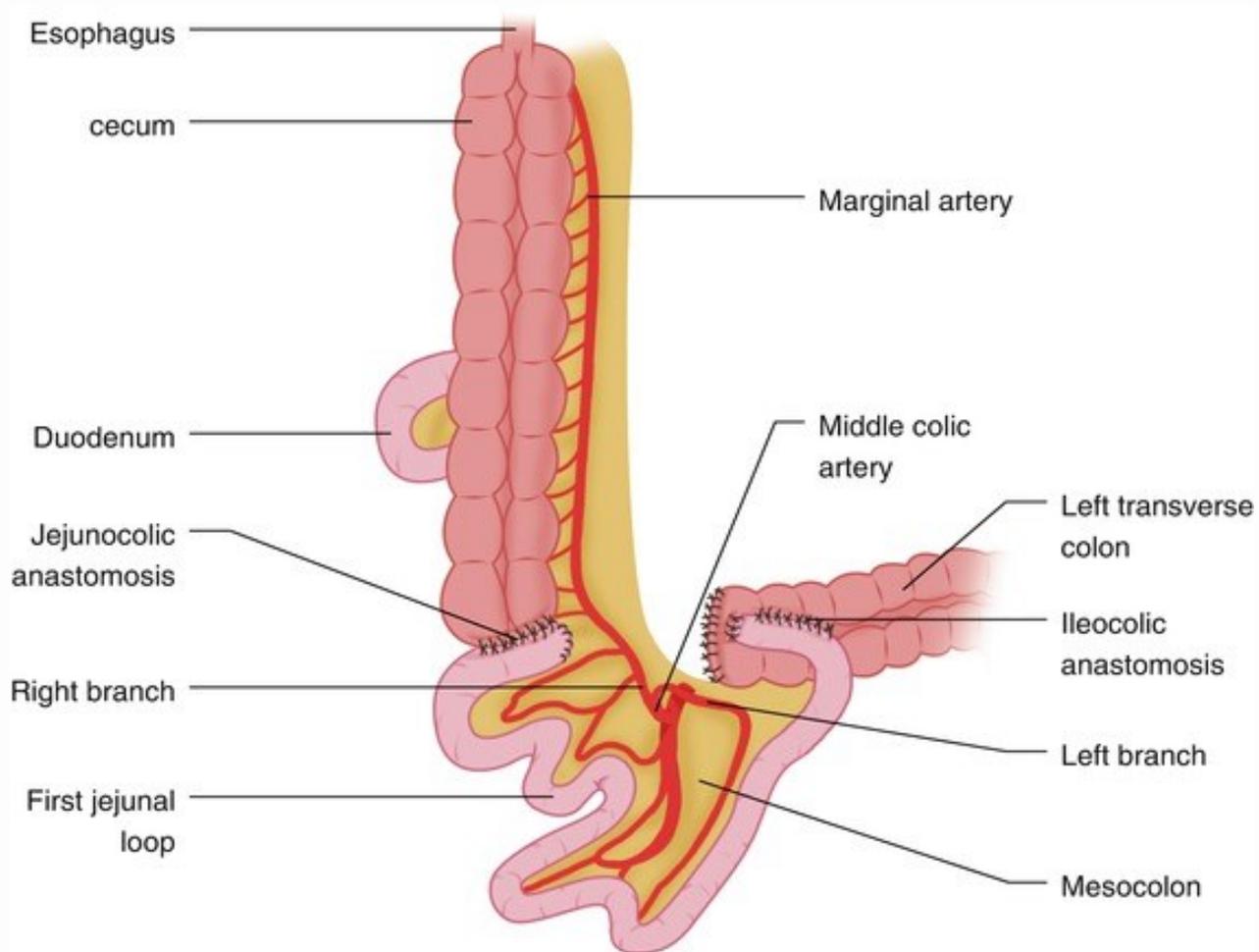
- transhiataal laparoscopie en cervicotomie



A

B

coloninterponaat





Patient Characteristics

	Value	Other hospitals	Zuyderland	p-value	test
n		4504	160		
Age (median [range])		66 [19, 87]	64 [42, 79]	0.014	nonnorm
Gender (%)	Male	3488 (77.4)	130 (81.2)	0.299	
	Female	1016 (22.6)	30 (18.8)		
Charlson (%)	1	2111 (46.9)	87 (54.4)	0.119	
	2 or more	1113 (24.7)	38 (23.8)		
	NA	1280 (28.4)	35 (21.9)		
ASA (%)	I/II	3441 (76.4)	143 (89.4)	<0.001	
	III/IV	1053 (23.4)	15 (9.4)		
	NA	10 (0.2)	2 (1.2)		
TypeResection (%)	THE	1010 (22.4)	41 (25.6)	0.392	
	TTE	3494 (77.6)	119 (74.4)		
MinimallyInvasive (%)	Open	1213 (26.9)	0 (0.0)	<0.001	
	MI	3291 (73.1)	160 (100.0)		
LocationAnastomosis (%)	Cervical	2459 (54.6)	103 (64.4)	<0.001	
	Intrathoracic	1932 (42.9)	45 (28.1)		
	NA	113 (2.5)	12 (7.5)		
Leakage (%)	No	3614 (80.2)	138 (86.2)	0.075	
	Yes	890 (19.8)	22 (13.8)		
LymphNodes (%)	<15	905 (20.1)	41 (25.6)	0.107	
	15 or more	3599 (79.9)	119 (74.4)		
NumberLNs (median [range])		21 [0, 99]	19 [4, 48]	0.029	nonnorm

Note:

Summary of baseline characteristics of esophagectomies in in Zuyderland Ziekenhuis, Heerlen.

DUCA

DUTCH UPPER GI CANCER AUDIT



Patient Characteristics

	Value	Other hospitals	Zuyderland	p-value	test
n		2432	232		
Age (median [range])		70 [18, 91]	71 [32, 90]	0.312	nonnorm
Gender (%)	Male	1518 (62.4)	147 (63.4)	0.831	
	Female	914 (37.6)	85 (36.6)		
Charlson (%)	1	1033 (42.5)	92 (39.7)	0.516	
	2 or more	572 (23.5)	62 (26.7)		
	NA	827 (34.0)	78 (33.6)		
ASA (%)	I/II	1616 (66.4)	180 (77.6)	0.002	
	III/IV	808 (33.2)	52 (22.4)		
	NA	8 (0.3)	0 (0.0)		
Minimally Invasive (%)	Open	1263 (51.9)	71 (30.6)	<0.001	
	MI	1166 (47.9)	161 (69.4)		
	NA	3 (0.1)	0 (0.0)		
Location Anastomosis (%)	Cervical	4 (0.2)	2 (0.9)	0.050	
	Intrathoracic	214 (8.8)	15 (6.5)		
	NA	2214 (91.0)	215 (92.7)		
Leakage (%)	No	2229 (91.7)	215 (92.7)	0.679	
	Yes	203 (8.3)	17 (7.3)		
Lymph Nodes (%)	<15	506 (20.8)	39 (16.8)	0.175	
	15 or more	1926 (79.2)	193 (83.2)		
Number LNs (median [range])		22 [0, 99]	26 [0, 74]	<0.001	nonnorm

Note:

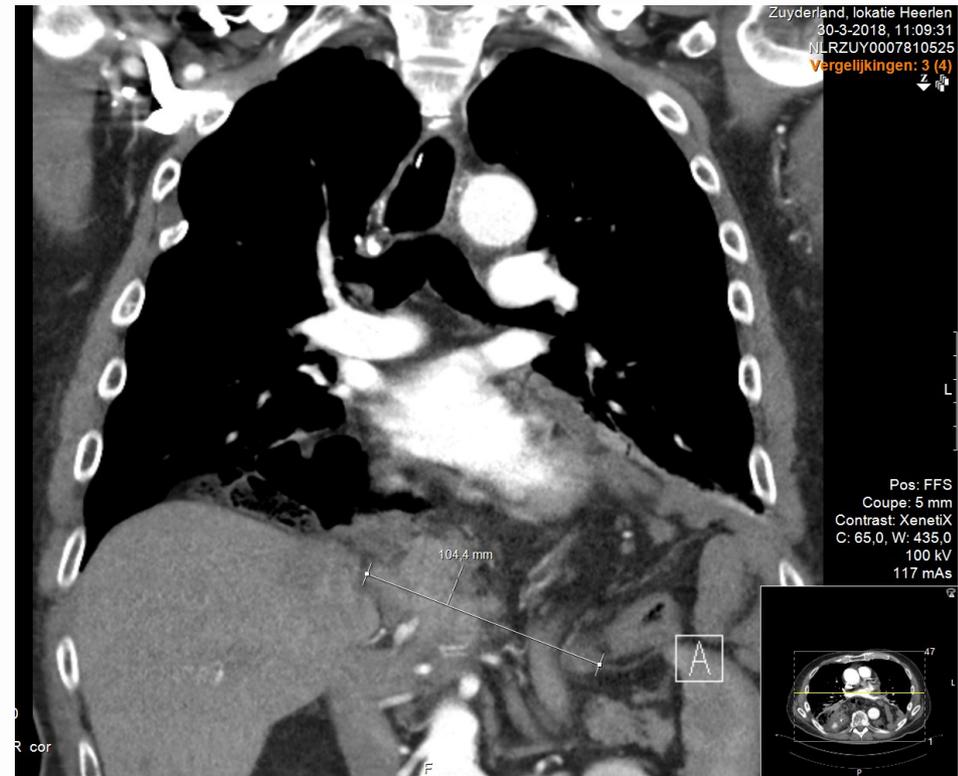
Summary of baseline characteristics of gastrectomies in in Zuyderland Ziekenhuis, Heerlen.

complicaties

- nabloeding
- wondinfectie
- naadlekkage
- mortaliteit
- chylus lekkage
- VJS probleem
- VitB12 probleem
- Pancreas insuff door vagus probleem

lange termijn

- heesheid
- dumping
- prikkelhoest
- bandgevoel
- naad stenose
- hernia diafragmatica
- passage klachten



studies

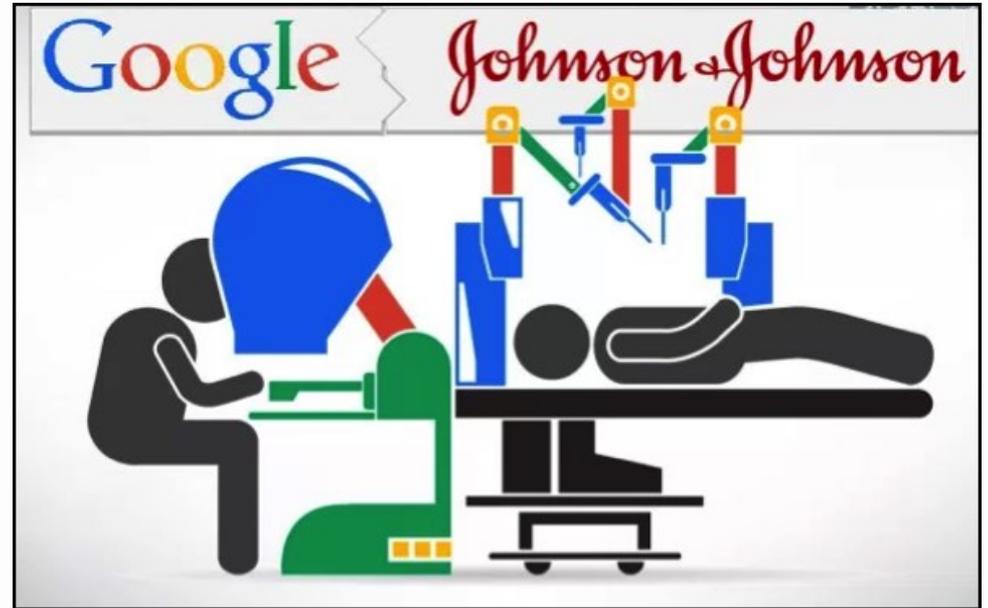
- combinatie neoadj behandeling - CRITICS
- SANO
- robot
- NBI IGC
- PLASTIC

- etc etc etc



toekomst

- robot
- risico predictie
- Watch & Wait



take home

zeer complexe multidisciplinaire zorg
grote complicatie gevoelige chirurgie

we doen het samen!

contact bij vragen

specialist

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case managers

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088-4591880