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Pathology protocol LOGICA-study

Laparoscopic versus Open Gastrectomy for Gastric Cancer: a prospectively randomized controlled trial

General:

- Organ: Total/partial stomach (with esophagus, duodenum, omentum minus/majus, or spleen)
- Lengths: Stomach, Duodenal length postpyloric, oesophageal length, omentum, other organs
- Lesser omentum: Present relevant pathology?
- Omentum: Present relevant pathology?

Tumor:

- Type: adenocarcinoma, squamous cell carcinoma, other
- Lauren classification: intestinal, diffuse, mixed, other
- Localization: cardia/fundus/corpus/antrum, smaller/lesser curvature, anterior/posterior wall
- Aspect: flat, ulcerative, polyp
- Size: Maximal diameter
- Surgical margins: free? Yes/No; distance proximal, distal and circumferential in cm
- Depth of invasion: submucosa, muscularis propria, subserosa
- T-stage

Lymph nodes:

- Marked lymph nodes (Stations 7-12, provided in separate cans)
- Number of lymph nodes (Stations 1-6, the perigastric lymph nodes, as marked by the surgeon)
- Number of lymph nodes (all other stations, if present)
- N-stage

Blocks:

- At least 2 x tumor: deepest invasion, threatened serosal surface, junction tumor-normal mucosa
- Both gastric surgical mucosal margins
- 1 x representative omentum or more in case of diffuse carcinoma
- All lymph nodes
- Frozen tissue: tumor and normal gastric mucosa
- Additional tumor and normal gastric mucosa for translational research purposes (see biobank below)

Biobank

Fresh:

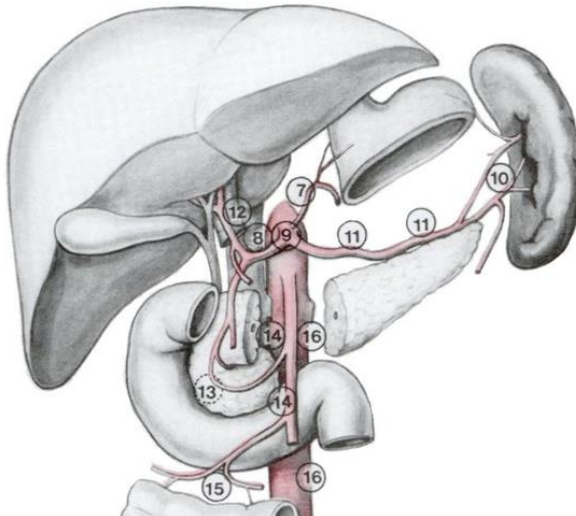
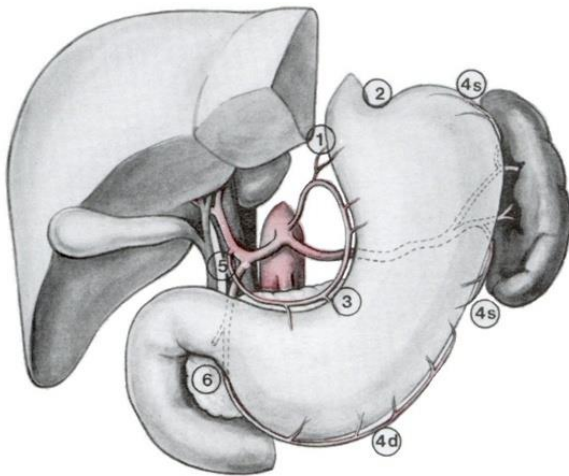
- 1 container with vital tumor tissue in liquid nitrogen or preservation fluid
- 1 container with normal mucosa (as far as possible from the tumor, no muscularis propria) in liquid nitrogen or preservation fluid

After overnight fixation in buffered 4% formaldehyde:

- 1 paraffin block with vital tumor tissue
- 1 paraffin block with section through normal gastric wall including the muscularis propria (as far as possible from tumor)
- duration of fixation should be registered

Marked lymph nodes:

- Stations 1-7 should be marked en bloc
- Stations 8, 9, 11p and 12 should be provided in containers
- Stations 2 and 4sa are not provided during distal gastrectomy

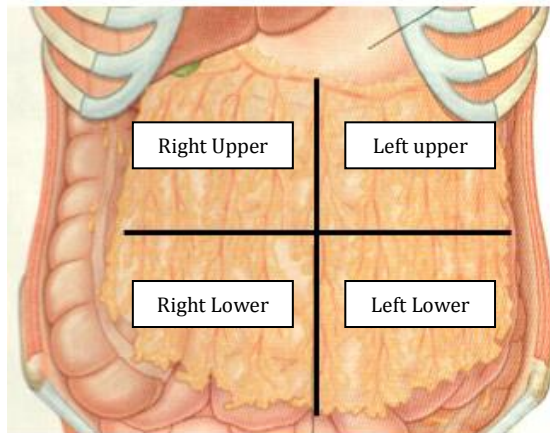


Lymph node stations

Marks

1	(Right paracardial)	.....
2	(Left paracardial)	.....
3	(Lesser curvature)	.....
4sa	(Vasa brevia)	.....
4sb	(A. gastroepiploica sinistra)	.....
4d	(A. gastroepiploica dextra)	.....
5	(Suprapyloric)	.....
6	(Infrapyloric)	.....
7	(A.gastrica sinistra)	.....
8	(A. hepatica communis)	.....
9	(Truncus coeliacus)	.....
11p	(A. lienalis proximal)	.....
12	(Hepatoduodenal ligament)	.....

Marks Omentum:



Right Upper
Left Upper
Right Lower
Left Lower

Opmerkingen:

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Pathologie checklist

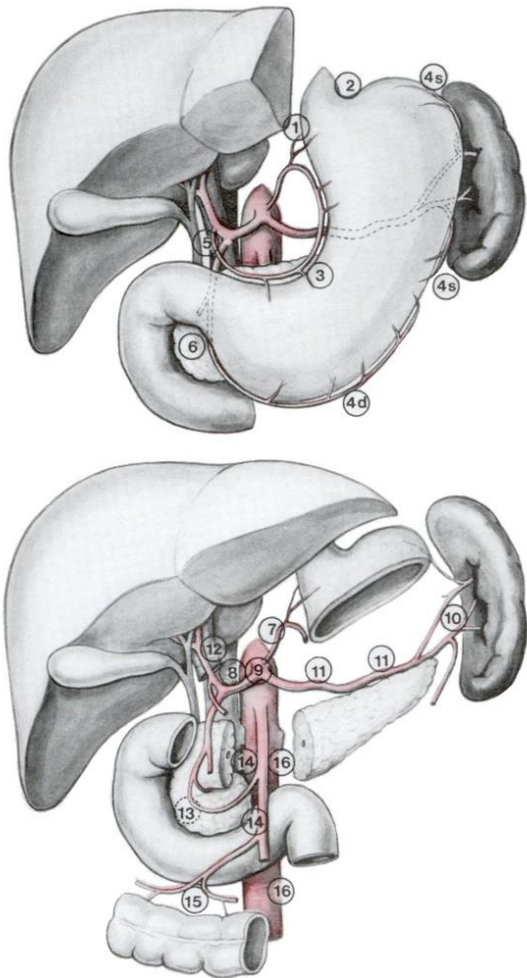
Registratienummer :

Instructies: Vul dit formulier in naar aanleiding van het pathologieverslag.

Zie ook het pathologieprotocol op www.logicatrial.nl

Vriescoupes		
	Verricht	Uitslag
- Proximaal	Ja / Nee / n.v.t.	Vrij / Niet vrij
- Distaal	Ja / Nee / n.v.t.	Vrij / Niet vrij

Preparaatgegevens			
Afmetingen			
- Maag	Totaal / Partieel / Extra orgaan:		
- Conditie	Intact / Perforatie / Overig:.....		
- Afmetingen	Kleine curvatuur: cm / Grote curvatuur: cm		
Locatie tumor			
- Hoogte	Cardia / Fundus / Corpus / Antrum / Pylorus / Diffuus		
- Zijde	Grote curvatuur / Kleine curvatuur / Anterieur / Posterieur / Circulair		
- Siewert-type:	II / III / n.v.t.		
Aspect	Glad / Ulceratie / Poliep / Anders:		
Type tumor	Adenocarcinoom / Plaveiselcelcarcinoom / GIST		
Lauren classificatie	Intestinaal / Diffuus / Mixed		
Afmetingen tumor:	max. diameter		..... mm
Lengte oesophagus	..... mm	Lengte maag	..... mm
Differentiatiegraad	Goed / Matig / Slecht / Ongedifferentieerd		
Tumor regressie	Geen / Partieel / Compleet / n.v.t.		
Mandard	I / II / III / IV / V / n.v.t.		
Vaso-invasie	Ja / Nee	Lymfatische invasie	Ja / Nee
Perineurale groei	Ja / Nee	Tumor doorgroei	.....
Resectievlak vrij			
- Proximal	Vrij, marge mm / Niet vrij		
- Distaal	Vrij, marge mm / Niet vrij		
- Circumferentieel	Vrij, marge mm / Niet vrij / n.v.t.		

Lymfeklieren		
Aantal lymfeklieren		
- Totaal	.....
- Positief	.....
Locatie positieve klieren	Stations	Totaal
	N1-stations <ul style="list-style-type: none"> - 1 (Rechts para-cardiaal) - 2 (Links para-cardiaal) - 3 (Kleine curvatuur) - 4sa (Vasa brevia) - 4sb (A. gastroepiploica li) - 4d (A. gastroepiploica re) - 5 (Suprapylorisch) - 6 (Infrapylorisch) - 7 (A. gastrica sinistra) 	
	N2-stations <ul style="list-style-type: none"> - 8 (A. hepatica) - 9 (Truncus coeliacus) - 11 (A. lienalis) - 12a (Hepatoduodenaal langs de a. hepatica propria) 	
	Omentum majus <ul style="list-style-type: none"> - Lengte - Breedte - Linker bovenkwadrant - Rechter bovenkwadrant - Linker onderkwadrant - Rechter onderkwadrant 	
- M – stadium	0 / 1 wanneer M1, gevonden in.....	
- Conclusie T-stadium	Tis / T1a / T1b / T2 / T3 / T4a / T4b	
- Conclusie N-stadium	0 / 1 / 2 / 3	
- Conclusie M-stadium	0 / 1	