Complex Surgery Pancreas and Peri-Ampullary Region

Registration form

Dataset established by the Expert Working Group and approved by the "Stuurgroep Complexe Chirurgie - Groupe de Pilotage Chirurgie Complexe" on 30/04/2019.



All variables are required to be filled out unless stated otherw O Single-select variables: only one answer can be selected Multi-select variables: one or more answers can be selected		
Administrative patient data		
Hospital:Health insurance institution:National number for social security (INSZ/NISS)*:		
* if filled out in the WBCR application, the following	variables will be completed automatically:	
Last name: First name: Postal code: City: Country: Health insurance number: Date of birth: Date of death: Sex: Male Female		
General information		
Did the patient undergo surgery? O No - Indication:		
 Malignant tumour Please note that the objection 	oligatory MOC/COM cancer registration (bijlage/	
	nour should be performed within 60 days of the	
Multidisciplinary Consu	ılt (MC/CM).	
O Adenoma		
CystadenomaIntraductal Papillary Mucinous dysplasia (8453/0)	s Neoplasm (IPMN) with low grade or moderate	
• • • • • • • • • • • • • • • • • • • •		
O Chronic pancreatitis		
Other, specify:		
•	tification variables (e.g. name, INSZ/NISS):(include as text)	
	(metade as text)	
Was the patient referred?NoYes		
	ian: or foreign:	
If the patient did not undergo surgery, t	•	
O Yes		
If the patient underwent surgery, please	e fill out the following variables.	



Indicatio	on:
•	Malignant tumour *
	Please note that the obligatory MOC/COM cancer registration (bijlage/annexe 55)
	for this tumour should be performed within 100 days of the date of surgery.
O	Adenoma
O	Cystadenoma
0	Intraductal Papillary Mucinous Neoplasm (IPMN) with low grade or moderate dysplasia (8453/0)
0	Other benign tumour, specify:
	Chronic pancreatitis
O	Other, specify:
Type of I	FIRST diagnostic method:
0	CT
0	MRI
0	PET
0	PET/CT
0	ERCP (endoscopic retrograde cholangio-pancreatography)
0	EUS (endoscopic ultrasound)/endoscopy
0	Surgery (laparoscopy/laparotomy)
-	Date:/ (dd/mm/yyyy)
Method	to obtain first tissue sample for histopathological evaluation:
	ERCP (endoscopic retrograde cholangio-pancreatography)
	EUS (endoscopic ultrasound)/endoscopy
	Surgery (laparoscopy/laparotomy/'complex' surgery)
	CT
	MRI
J	
-	Date:/ (dd/mm/yyyy)
Please u	pload the following reports without patient identification variables (e.g. name, INSZ/NISS):
_	MC/CM report: (include as text)
_	Pathology report: (include as text)
_	Surgery report:
	Jurgery report
Was the	patient referred?
	No
	Yes
•	- Referring hospital: Belgian: or foreign: or foreign:
	- Was there a M(O)C/C(O)M at the referring hospital?
	O No
	O Yes
	- Date:/ (dd/mm/yyyy)
	 Was the patient hospitalized at the referring hospital (before referral)? No
	- Date of last consultation before referral:/ (dd/mm/yyyy)
	Date of last consultation before referral:/ (dd/filifi/yyyy) Yes
	- Date of discharge at the referring hospital:/ (dd/mm/yyyy)
	bate of discharge at the referring hospital/ (ud/11111/yyyy)



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Patient characteristics

Height: cm
Weight at time of surgery: kg
 WHO performance status at time of surgery: O - Asymptomatic, normal activity 1 - Symptomatic, but ambulant 2 - Symptomatic, bedbound <50% of the day 3 - Symptomatic, bedbound >50% of the day 4 - Completely dependent, 100% bedbound
ASA score (pre-operative risk): O 1 - Healthy person O 2 - Mild systemic disease, normal activity O 3 - Serious systemic disease, limited activity O 4 - Life-threatening illness, handicapped O 5 - Dying
Comorbidity (prior to surgery) - Charlson Modified Index (not the current surgery indication!): No Yes Myocardial infarction Peripheral vascular disease Cerebrovascular disease Congestive heart failure Connective tissue disease Mild liver disease Moderate-severe liver disease Moderate-severe renal disease Chronic pulmonary disease Peptic ulcer Hemiplegia Dementia Diabetes without any damage to end-organs Diabetes with damage to end-organs Any tumour (without metastasis) Leukaemia (acute or chronic) Lymphoma Metastatic solid tumour AIDS (not just HIV positive)
Is the patient currently (= at time of surgery) treated with antithrombotic medication? No Yes B01AA: Vitamin K antagonists (e.g. warfarin) B01AB: Heparin group (e.g. heparin) B01AC: Platelet aggregation inhibitors excluding heparin (e.g. acetylsalicylic acid) B01AD: Enzymes (e.g. streptokinase) B01AE: Direct thrombin inhibitors (e.g. desirudin) B01AF: Direct Xa inhibitors (e.g. rivaroxaban) B01AX: Other antithrombotic agents (e.g. dermatan sulfate)



Surgery

Did the patient receive any other treatment modality before this surgical procedure?
O No
O Yes
☐ Chemotherapy
- Start date:/ (dd/mm/yyyy)
- Date latest treatment:/ (dd/mm/yyyy)
- Type of chemotherapy:
O Gemcitabine-based regimen
O FOLFIRINOX (5-Fluorouracil, Leucovorin, Irinotecan and Oxaliplatin)-
based regimen
O Other, specify:
☐ Radiotherapy
- Start date:/ (dd/mm/yyyy)
- Date latest treatment:/ (dd/mm/yyyy)
☐ Prior abdominal surgery
- Type of surgery:
- Date latest surgery:/ (dd/mm/yyyy)
☐ Other treatment modality (that could affect the pancreas), specify:
- Other treatment modulity (that could affect the partereas), specify.
Date of surgery:/ (dd/mm/yyyy)
Type of surgery:
O Minimally invasive surgery (MIS)
O Total laparoscopic
O Total robotic
O Hybrid (laparoscopic + robotic)
O Open
O Conversion from MIS to open surgery
- Reason for conversion:
Nomenclature code:
○ 242830-242841: Pancreaticoduodenectomy
\cdot
O Pancreaticoduodenectomy
O Total pancreatectomy
- Localisation lesion:
O Pancreatic head / peri-ampullary region
O Pancreatic body or tail
• 242852-242863: Hemipancreatectomy left with jejunal anastomosis of the resection plane
of the pancreas, or almost total pancreatectomy (95 pct)
O 242874-242885: Hemipancreatectomy left
○ 242896-242900: Enucleation of a pancreatic tumour
- Localisation tumour:
O Pancreatic head / peri-ampullary region
O Pancreatic body or tail



Simultaneous v	ascular resection?
O No	
Yes	
	Superior mesenteric vein/portal vein (SMV/PV) resection
	- Type of SMV/PV reconstruction:
	With primary wedge-reconstruction
	with primary end-to-end reconstruction
	With vascular autograft interposition
	O with vascular allograft interposition
	with synthetic/prosthetic interposition
	 with peritoneal patch wedge-reconstruction
_	O without reconstruction
	Arterial resection
	- Type of arterial resection:
	O Hepatic artery
	O Coeliac trunk
	O Superior mesenteric artery (SMA)
	- Type of arterial reconstruction:
	O with primary wedge-reconstruction
	O with primary end-to-end reconstruction
	O with vascular autograft interposition
	O with vascular allograft interposition
	O with synthetic/prosthetic interposition
	without reconstruction
Simultaneous o	ther organ resection?
O No	their organi resection.
O Yes	
	Colon
	Stomach
	Sur-renal gland
	Spleen
	Other, specify:
	ed out for a malignant tumour:
	ual disease - resection margins:
	R0: tumour-free resection margin > 1 mm
	R1 indirect: tumour-free resection margin < 1 mm
O	R1 direct: tumour involvement of the resection margin
O	R2: macroscopic tumour transection
Lymphadenecto	omy:
O No	
O Yes	
-	Region:
	☐ Peri-tumoural
	Coeliac trunk
	☐ SMA origin (superior mesenteric artery)
	□ Para-aortic
-	Number of lymph nodes retrieved:
-	Number of lymph nodes with tumoural involvement:



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Post-surgery

Postoperative • No	complications (90 days post-op, in-hospital complications):	
O Yes		
-	Type of postoperative complication(s):	
	Clinically relevant pancreatic fistula [cf. Bassi et al. (ISGPS), SuISGPS grade B	irgery, 2017]
	 ISGPS grade C Haemorrhage [cf. Wente et al. (ISGPS), Surgery, 2007] ISGPS grade A 	
	○ ISGPS grade B ○ ISGPS grade C	
	☐ Delayed gastric emptying [cf. Wente et al. (ISGPS), Surgery, 20 ☐ ISGPS grade A	007]
	ISGPS grade BISGPS grade C	
	☐ Bile leakage [cf. Koch et al. (ISGLS), Surgery, 2011]	
	O ISGLS grade A	
	○ ISGLS grade B	
	○ ISGLS grade C	
	Intra-abdominal abscess	
	Other, specify:	
-	General Clavien-Dindo classification (90 days post-op, in-hospital co	mplications):
	(https://www.baus.org.uk/patients/surgical_outcomes/grading_of_surgical_comp	
	O TOSGS grade 1	
	O TOSGS grade 2	
	O TOSGS grade 3a	
	O TOSGS grade 3b	
	O TOSGS grade 4a	
	O TOSGS grade 4b	
	O TOSGS grade 5	
Re-operation	necessary?	
O No		
O Yes		
-	Type of surgery:	
Р	Please upload the following reports without patient identification varia	bles:
-	MC/CM report (if applicable):	(include as text)
-	Pathology report (if applicable):	(include as text)
_	Surgery report:	(include as text)



O No
O Yes
- Discharge date after surgery:/ (dd/mm/yyyy)
- Destination?
O Home
O Rehabilitation centre
O Nursing home
O Transfer to another hospital
·
- Name:
- Because of complications?
O No
O Yes
 Re-admission within 30 days after discharge (from the centre that performed the surgery):
O No
O Unknown
O Yes, in the hospital where the surgery was performed
- Reason for re-admission:
O Yes, in another hospital
- Reason for re-admission:
- Neason for re-admission.
Did the patient die during the 90-day post-op period?
O No
O Yes
- In-hospital?
O No
O Yes
- Date of death:/ (dd/mm/yyyy)
- Cause of death:
* Only to be filled out for a malignant tumour:
* Only to be filled out for a malignant tumour: - Was there adjuvant therapy after surgery?
- Was there adjuvant therapy after surgery?
 Was there adjuvant therapy after surgery? No
Was there adjuvant therapy after surgery?NoYes
 Was there adjuvant therapy after surgery? No Yes Systemic therapy
 Was there adjuvant therapy after surgery? No Yes Systemic therapy Radiotherapy
 Was there adjuvant therapy after surgery? No Yes Systemic therapy
 Was there adjuvant therapy after surgery? No Yes Systemic therapy Radiotherapy Combined therapy (systemic + radiotherapy)
 Was there adjuvant therapy after surgery? No Yes Systemic therapy Radiotherapy Combined therapy (systemic + radiotherapy) Was the patient included in a clinical trial for (neo)adjuvant therapy or surgery?
- Was there adjuvant therapy after surgery? O No O Yes O Systemic therapy O Radiotherapy O Combined therapy (systemic + radiotherapy) Was the patient included in a clinical trial for (neo)adjuvant therapy or surgery? O No
- Was there adjuvant therapy after surgery? O No Yes O Systemic therapy O Radiotherapy O Combined therapy (systemic + radiotherapy) Was the patient included in a clinical trial for (neo)adjuvant therapy or surgery? O No O Unknown
- Was there adjuvant therapy after surgery? O No O Yes O Systemic therapy O Radiotherapy O Combined therapy (systemic + radiotherapy) Was the patient included in a clinical trial for (neo)adjuvant therapy or surgery? O No O Unknown O Yes
- Was there adjuvant therapy after surgery? O No Yes O Systemic therapy O Radiotherapy O Combined therapy (systemic + radiotherapy) Was the patient included in a clinical trial for (neo)adjuvant therapy or surgery? O No O Unknown



Registration form - version overview

Version	Changes	
v1.0	Original document (28/06/2019)	
v1.1	 The variable 'Nomenclature code' changed from multi- to single-select variable The variable 'Re-admission within 30 days after discharge' was moved under the variable 'Was the patient discharged after surgery during the 90-day post-op period' – option 'Yes', so that it should only be answered when the patient was discharged 	
v1.2	 The symbols related to the variable 'Indication' in case surgery is performed, were altered to * for malignant tumoural indications The answer option 'EUS (endoscopic ultrasound)' was expanded to 'EUS (endoscopic ultrasound)/endoscopy' for the variables 'Type of FIRST diagnostic method' and 'Method to obtain first tissue sample for histopathological evaluation' The variable 'Was the patient hospitalized at the referring hospital' was further clarified by adding: (before referral) to the question The variable 'Comorbidity (prior to surgery) - Charlson Modified Index' was further clarified by adding: 'not the current surgery indication!' The MC/CM report (if applicable), pathology report (if applicable) and surgery report are requested when re-operation was necessary The variable 'Re-admission within 30 days after discharge' was further clarified by adding: 'from the centre that performed the surgery' The variable 'Was there adjuvant therapy after surgery?' and the variable to specify the adjuvant therapy were moved further down the document 	
v1.3	 For the nomenclature code '242830-242841: Pancreaticoduodenectomy', the answering option 'Whipple' has been changed to 'Pancreaticoduodenectomy' For the nomenclature code '242830-242841: Pancreaticoduodenectomy' and '242896-242900: Enucleation of a pancreatic tumour', the answering option 'Pancreatic tail' has been changed to 'Pancreatic body or tail' The option 'without reconstruction' has been added in case of a SMV/PV resection A question has been added regarding the type of reconstruction in case of an arterial resection The definitions corresponding to R0 and R1 resection margins have been changed: From 'R0: no residual disease' to 'R0: tumour-free resection margin > 1 mm' From 'R1 indirect: R0 with magnitude of resection margin < 1 mm' to 'R1 indirect: tumour-free resection margin < 1 mm' From 'R1 direct: microscopic tumour positive margin' to 'R1 direct: tumour involvement of the resection margin' The question on lymph node retrieval has been changed from 'number of locoregional lymph nodes retrieved' to 'number of lymph nodes retrieved' The question on the number of involved lymph nodes has been changed from 'number of metastatic loco-regional lymph nodes' to 'number of lymph nodes with tumoural involvement' 	

