

coMpliance with evidence-based clinical guidelines in the management of acute biliary pancreatitis (MANCTRA-1)

MANCTRA-1 Study CRF Form

Question	Option
Section 1 – General Informations	
<ul style="list-style-type: none"> • Country • Name and Surname of the Local Lead • Email address of the Local Lead • ORCID ID of the Local Lead 	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
Section 2 – Demographic Characteristics	
<ul style="list-style-type: none"> ■ Year of hospital admission for acute biliary pancreatitis 	<ul style="list-style-type: none"> ■ 2019 ■ 2020
<ul style="list-style-type: none"> ■ Patient age 	<p>_____</p>
<ul style="list-style-type: none"> ■ Sex 	<ul style="list-style-type: none"> ■ Male ■ Female
<ul style="list-style-type: none"> ■ Covid-19 status on admission 	<ul style="list-style-type: none"> ■ Negative ■ Positive ■ Untested
<ul style="list-style-type: none"> ■ Previous episodes of biliary pancreatitis 	<ul style="list-style-type: none"> ■ Yes ■ No
<ul style="list-style-type: none"> ■ Admitting speciality 	<ul style="list-style-type: none"> ■ HPB Surgery ■ General Surgery ■ Internal Medicine ■ Gastroenterology
Section 3 – Comorbidity	
<ul style="list-style-type: none"> ■ Charlson's comorbidity index 	<p>_____</p>
<ul style="list-style-type: none"> ■ Body Mass Index – BMI (Kg/m²) 	<p>_____</p>
<ul style="list-style-type: none"> ■ Clinical history of diabetes 	<ul style="list-style-type: none"> ■ No diabetes ■ Diabetes with organ dysfunction ■ Diabetes without organ dysfunction
<ul style="list-style-type: none"> ■ Clinical history of chronic pulmonary disease other than Covid-19 pneumonia 	<ul style="list-style-type: none"> ■ Yes ■ No
<ul style="list-style-type: none"> ■ Clinical history of hypertension 	<ul style="list-style-type: none"> ■ Yes ■ No
<ul style="list-style-type: none"> ■ Clinical history of atrial fibrillation 	<ul style="list-style-type: none"> ■ Yes ■ No
<ul style="list-style-type: none"> ■ Clinical history of ischemic hearth disease 	<ul style="list-style-type: none"> ■ Yes ■ No
<ul style="list-style-type: none"> ■ Clinical history of chronic kidney disease 	<ul style="list-style-type: none"> ■ Yes-under medications ■ Yes-in permanent renal replacement therapy or in preparation for it ■ No
<ul style="list-style-type: none"> ■ Clinical history of diseases of the hematopoietic system 	<ul style="list-style-type: none"> ■ Yes ■ No
<ul style="list-style-type: none"> ■ Patient on immunosuppressive medications on hospital admission 	<ul style="list-style-type: none"> ■ Yes

	<input type="checkbox"/> No
<u>Section 4 – Clinical Scores (LEAVE IT BLANK IF NOT CALCULATED DURING HOSPITAL ADMISSION)</u>	
<input type="checkbox"/> Glasgow Coma Scale (GCS) Available at: https://www.mdcalc.com/glasgow-coma-scale-score-gcs	_____
<input type="checkbox"/> qSOFA Available at: https://www.mdcalc.com/qsofa-quick-sofa-score-sepsis	_____
<input type="checkbox"/> WSES (World Society of Emergency Surgery) sepsis score Available at: https://wjeb.biomedcentral.com/articles/10.1186/s13017-015-0055-0/tables/5	_____
<input type="checkbox"/> BISAP (Bedside Index of Severity in Acute Pancreatitis) score Available at: https://www.mdcalc.com/bisap-score-pancreatitis-mortality	_____
<input type="checkbox"/> ASA score	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
<input type="checkbox"/> Glasgow-Imrie score Available at: https://www.mdcalc.com/glasgow-imrie-criteria-severity-acute-pancreatitis	_____
<input type="checkbox"/> Ranson's score Available at: https://www.mdcalc.com/ransons-criteria-pancreatitis-mortality	_____
<input type="checkbox"/> Apache II score	_____
<input type="checkbox"/> Revised Atlanta Classification	<input type="checkbox"/> Mild acute pancreatitis <input type="checkbox"/> Moderately severe acute pancreatitis <input type="checkbox"/> Severe acute pancreatitis
<input type="checkbox"/> Organ failure during the hospital stay	<input type="checkbox"/> None <input type="checkbox"/> Cardiovascular <input type="checkbox"/> Respiratory <input type="checkbox"/> Renal
<u>Section 5 – Vital signs on admission</u>	
<input type="checkbox"/> Temperature (°C)	_____
<input type="checkbox"/> Systolic blood pressure Systolic blood pressure on admission (mmHg)	_____
<input type="checkbox"/> Heart rate on admission (bpm)	_____
<input type="checkbox"/> Respiratory rate on admission (number of breaths/min)	_____
<input type="checkbox"/> Blood oxygen saturation on admission (SpO2%)	_____
<input type="checkbox"/> ICU admission during the hospital stay	<input type="checkbox"/> Yes <input type="checkbox"/> No
<u>Section 6 – Laboratory tests on admission</u>	
<input type="checkbox"/> WBC (cells/mm3)	_____
<input type="checkbox"/> Neutrophils (cells/mm3)	_____
<input type="checkbox"/> Platelets (mcL)	_____
<input type="checkbox"/> INR (International Normalized Ratio)	_____

■ C-reactive protein (mg/L)	_____
■ Aspartate aminotransferase – AST (U/L)	_____
■ Alanine aminotransferase – ALT (U/L)	_____
■ Total bilirubin (mg/dL)	_____
■ Conjugated bilirubin (mg/dL)	_____
■ Gamma-glutamyl-transpeptidase – GGT (U/L)	_____
■ Serum amylase (U/L)	_____
■ Serum lipase (U/L)	_____
■ Lactate DeHydrogenase – LDH (U/L)	_____
■ Procalcitonin – PCT (ng/mL)	_____
■ Lactates (mmol/L)	_____
<u>Section 7 – Diagnostic Imaging</u>	
■ Initial diagnostic imaging	<ul style="list-style-type: none"> ■ Ultrasound scan on admission ■ CT scan on admission ■ CT scan <24h from hospital admission ■ CT scan 24-48h from hospital admission ■ CT scan >48h from hospital admission
■ MRCP	<ul style="list-style-type: none"> ■ MRCP on admission ■ MRCP <24h from hospital admission ■ MRCP >24h from hospital admission ■ No MRCP from hospital admission
■ Endoscopic ultrasound scan	<ul style="list-style-type: none"> ■ Yes <24h from hospital admission ■ Yes >24h from hospital admission ■ No EUS
■ Re-evaluation with CT scan	<ul style="list-style-type: none"> ■ None ■ < 7 days ■ 7-14 days ■ 15-30 days ■ >30 days
<u>Section 8 – Physical examination on admission</u>	
	<ul style="list-style-type: none"> ■ Localized abdominal pain ■ Localized abdominal rigidity ■ Diffuse abdominal pain ■ Diffuse abdominal rigidity ■ No abdominal pain/No abdominal rigidity
<u>Section 9 – Concomitant findings on admission</u>	
■ Choledocholithiasis	<ul style="list-style-type: none"> ■ Yes ■ Yes with common bile duct obstruction ■ No
■ Cholangitis	<ul style="list-style-type: none"> ■ Yes ■ No
■ ERCP with sphincterotomy	<ul style="list-style-type: none"> ■ Yes-within 24h from hospital admission ■ Yes within 24-48h from hospital admission ■ Yes within 48-72h from hospital admission ■ No
<u>Section 10 – 30-day Morbidity</u>	
■ Gastric outlet obstruction	<ul style="list-style-type: none"> ■ Yes ■ No

■ Pseudocyst	<ul style="list-style-type: none"> ■ Yes ■ No
■ Infected necrosis	<ul style="list-style-type: none"> ■ Yes ■ No
■ Endoscopic drainage of pseudocyst/walled-off necrosis	<ul style="list-style-type: none"> ■ Yes ■ No
■ CT-guided fine needle aspiration in case of infected pseudocyst/walled-off necrosis	<ul style="list-style-type: none"> ■ Yes ■ No
■ Surgical necrosectomy	<ul style="list-style-type: none"> ■ Yes, laparoscopic ■ Yes, open ■ No
■ Timing of surgical necrosectomy	<ul style="list-style-type: none"> ■ <2 weeks from the onset of symptoms ■ 2-4 weeks from the onset of symptoms ■ >4 weeks from the onset of symptoms
■ Setting of surgical necrosectomy	<ul style="list-style-type: none"> ■ Upfront ■ After failure of endoscopic necrosectomy ■ After failure of endoscopic and percutaneous necrosectomy
■ Cystogastrostomy	<ul style="list-style-type: none"> ■ Yes, endoscopic ■ Yes, surgical ■ No
■ Abdominal compartment syndrome	<ul style="list-style-type: none"> ■ Yes ■ No
■ Open abdomen	<ul style="list-style-type: none"> ■ Yes ■ No
■ Timing of re-exploration	<ul style="list-style-type: none"> ■ 24-48h ■ 48-72h ■ >72h
■ Bleeding	<ul style="list-style-type: none"> ■ Yes ■ No
■ Bowel ischemia	<ul style="list-style-type: none"> ■ Yes ■ No
■ Bowel fistula	<ul style="list-style-type: none"> ■ Yes ■ No
■ Necrotizing cholecystitis	<ul style="list-style-type: none"> ■ Yes ■ No
Section 11 – Medical Therapy	
■ Antibiotic prophylaxis	<ul style="list-style-type: none"> ■ Yes ■ No
■ Antifungal prophylaxis	<ul style="list-style-type: none"> ■ Yes ■ No
■ Use of somatostatin analogs	<ul style="list-style-type: none"> ■ Yes ■ No
■ Nutritional support on admission	<ul style="list-style-type: none"> ■ Oral ■ Enteral via NG feeding tube ■ Enteral via NJ feeding tube ■ Total parental nutrition ■ Nihil per os

<u>Section 12 – Cholecystectomy</u>	<ul style="list-style-type: none"> ■ Yes-within 3 days from hospital admission ■ Yes-within 7 days from hospital admission ■ Yes-within 14 days from hospital admission ■ No-delayed cholecystectomy
<u>Section 13 – 30-day mortality due to pancreatitis</u>	<ul style="list-style-type: none"> ■ Yes ■ No
<u>Section 14 – Post-cholecystectomy 30-day morbidity and mortality</u>	
<ul style="list-style-type: none"> ■ Post-cholecystectomy morbidity 	<ul style="list-style-type: none"> ■ Yes ■ No
<ul style="list-style-type: none"> ■ Post-cholecystectomy mortality 	<ul style="list-style-type: none"> ■ Yes ■ No
<u>Section 15 - 30-day hospital readmission</u>	<ul style="list-style-type: none"> ■ No ■ Yes, due to surgical complications ■ Yes, due to recurrent pancreatitis while awaiting interval cholecystectomy
<u>Section 16 – Compliance with guidelines</u>	<ul style="list-style-type: none"> ■ The 2019 WSES guidelines for the management of Acute Pancreatitis patients (Leppäniemi A. et al. World Journal of Emergency Surgery, 2019) ■ The 2005 UK guidelines for the management of Acute Pancreatitis (GUT, 2005) ■ The 2018 American Gastroenterological Association Institute Guideline on Initial Management of Acute Pancreatitis (Crockett SD, Gastroenterology 2018) ■ The 2015 Japanese guidelines for the management of acute pancreatitis (Yokoe M, J Hepatobiliary Pancreat Sci. 2015) ■ The 2020 American Gastroenterological Association Clinical Practice Update: Management of Pancreatic Necrosis (Baron TH, Gastroenterology 2020) ■ Other ■ None