



## CASE REPORT FORM

**Sigla di identificazione dello studio: SPRIMACC**

**Titolo dello studio:** Validazione e confronto dei modelli di previsione di rischio di complicanze maggiori post-operatorie dopo colecistectomia nei pazienti con colecistite acuta litiasica

**Versione n.1.0 del 6/3/2021**

Patient code:

Institution:

Date of enrolment:

Phone number:

<b>Patient data</b>	Sex	Male [ ] Female [ ]		
	Age			
	Date of symptoms onset	_ / _ / _		
	Date of admission	_ / _ / _		
<b>Visit 1 (Day of EC)</b>				
<b>Pre-operative data</b>	Diagnosis of Acute Calculous Cholecystitis according to TG 2018?	Yes [ ] No [ ]		
	Perforated gallbladder?	Yes [ ] No [ ]		
	Israelian Score for CBDS	CBD width by US $\geq$ 7mm	Yes [ ] No [ ]	
		Total bilirubin $\geq$ 1.8	Yes [ ] No [ ]	
		Age $\geq$ 70	Yes [ ] No [ ]	
		<b>Israelian Score</b>		
	Associated CBDS (confirmed by EUS or MRCP)	Yes [ ] No [ ]		
	Pre-operative ERCP?	Yes [ ] No [ ]		
	BMI			
	ACC grade (according to TG 2018)	Hypotension with dopamine $>$ 5ug/kg/min or norepinephrine (any dose)	Yes [ ] No [ ]	
		Decreased level of consciousness	Yes [ ] No [ ]	
		pO <sub>2</sub> /fiO <sub>2</sub> $<$ 300	Yes [ ] No [ ]	
		Oliguria	Yes [ ] No [ ]	
Creatinine $>$ 2mg/dl		Yes [ ] No [ ]		
PT-INR $>$ 1.5		Yes [ ] No [ ]		
Platelet count $<$ 100,000/mm <sup>3</sup> .		Yes [ ] No [ ]		
WBC $>$ 18,000/mm <sup>3</sup>		Yes [ ] No [ ]		
Palpable tender mass in the right upper abdominal quadrant		Yes [ ] No [ ]		
Duration of complaints $>$ 72 h	Yes [ ] No [ ]			



Scores for prediction of risk		Gangrenous cholecystitis		Yes [ ] No [ ]
		Pericholecystic abscess		Yes [ ] No [ ]
		Hepatic abscess		Yes [ ] No [ ]
		Biliary peritonitis		Yes [ ] No [ ]
		Emphysematous cholecystitis		Yes [ ] No [ ]
		<b>ACC grade</b>		
	Chole risk score	previous abdominal interventions?		Yes [ ] No [ ]
		previous percutaneous cholecystostomy?		Yes [ ] No [ ]
		Diabetes?		Yes [ ] No [ ]
		CCI > 6?		Yes [ ] No [ ]
		increased total bilirubin > 2 mg/dL?		Yes [ ] No [ ]
		dilated bile duct?		Yes [ ] No [ ]
		ACC grade (according to TG 2018)		
		<b>Chole-risk score:</b>		_____
	POSSUM score	Cardiac sign	Diuretic, digoxine, antianginal or hypertensive therapy	Yes [ ] No [ ]
			Peripheral oedema	Yes [ ] No [ ]
			Warfarin therapy	Yes [ ] No [ ]
			Raised Jugular venous pressure	Yes [ ] No [ ]
		Chest radiography	Borderline cardiomegaly	Yes [ ] No [ ]
			Cardiomegaly	Yes [ ] No [ ]
Respiratory history		Dyspnoea on exertion	Yes [ ] No [ ]	
		Limiting dyspnoea	Yes [ ] No [ ]	
		Dyspnoea at rest (rate >30/min)	Yes [ ] No [ ]	
Systolic blood pressure		_____ mmHg		
Pulse		_____ beats/min		
Glasgow Coma Scale		_____ points		
Haemoglobin		_____ g/dL		
White cell count		_____ x10 <sup>3</sup> /uL		
Urea		_____ mg/dL		



		Sodium		mEq/L	
		Potassium		mEq/L	
		ECG	Atrial fibrillation	Yes [ ] No [ ]	
			5 ectopic beats/min or Q waves or St/T wave changes	Yes [ ] No [ ]	
			Any other abnormal rhythm	Yes [ ] No [ ]	
		<b>Physiological Score</b>			
		<b>Operative severity Score</b>			
	<b>Total POSSUM</b>				
	Modified Frailty Index	patient functional status before surgery partially or totally dependent		Yes [ ] No [ ]	
		diabetes mellitus treated with insulin or oral medications		Yes [ ] No [ ]	
		hypertension requiring treatment		Yes [ ] No [ ]	
		congestive heart failure (CHF)		Yes [ ] No [ ]	
myocardial infarction (MI)		Yes [ ] No [ ]			
prior cardiac surgery or percutaneous coronary angioplasty, or history of angina		Yes [ ] No [ ]			
chronic obstructive pulmonary disease (COPD) or pneumonia		Yes [ ] No [ ]			
rest pain or gangrene secondary to peripheral vascular disease (PVD) or PVD treated with angioplasty, revascularization, amputation		Yes [ ] No [ ]			
impaired sensorium within 48 h prior to the surgical procedure not in the context of concomitant neurologic disease such as dementia		Yes [ ] No [ ]			
history of transient ischemic attack (TIA) or cerebrovascular accident (CVA) without neurologic deficits		Yes [ ] No [ ]			
CVA with neurologic deficits		Yes [ ] No [ ]			
<b>Modified Frailty Index</b>					



Charlson's Comorbidity Index	History of myocardial infarction	Yes [ ] No [ ]
	Congestive heart failure	Yes [ ] No [ ]
	Peripheral vascular disease (includes aortic aneurysm ≥ 6cm)	Yes [ ] No [ ]
	Cerebrovascular disease: accident with mild or no residua o TIA	Yes [ ] No [ ]
	Dementia	Yes [ ] No [ ]
	Hemiplegia	Yes [ ] No [ ]
	Chronic pulmonary disease	Yes [ ] No [ ]
	Connective tissue disease	Yes [ ] No [ ]
	Peptic ulcer disease	Yes [ ] No [ ]
	Mild liver disease (without portal hypertension, includes chronic hepatitis)	Yes [ ] No [ ]
	Moderate or severe liver disease	Yes [ ] No [ ]
	Diabetes without end-organ damage (excludes diet-controlled alone)	Yes [ ] No [ ]
	Diabetes with end-organ damage (retinopathy, neuropathy, nephropathy, brittle diabetes)	Yes [ ] No [ ]
	Moderate or severe renal disease	Yes [ ] No [ ]
	Tumour without metastasis (exclude if >5years from diagnosis)	Yes [ ] No [ ]
	Metastatic solid tumour	Yes [ ] No [ ]
	Leukemia (acute or chronic)	Yes [ ] No [ ]
	Lymphoma	Yes [ ] No [ ]
	AIDS (not just HIV positive)	Yes [ ] No [ ]
	<b>Charlson's Comorbidity Index</b>	
ASA score		
Apache II	Temperature _____ °C	



**FONDAZIONE**  
**IRCCS POLICLINICO "SAN MATTEO"**  
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**DI DIRITTO PUBBLICO (D.M. 28/04/2006)**  
 P.le Golgi 19, 27100 Pavia- Tel. 0382.5011



		Mean arterial pressure	mmHg
		Heart rate	_____
		Respiratory rate	_____
		FiO2	_____
		A-aDO2	_____
		PaO2	mmHg
		Arterial pH	_____
		Serum creatinine	mg/dL
		Hct	%
		immunocompromise	Yes [ ] No [ ]
		Severe organ insufficiency	Yes [ ] No [ ]
		HCO3	mmol/L
		<b>Apache II score</b>	_____
	PCT	ng/mL	
<b>Visit 2 (Day of discharge)</b>			
Intraoperative data	Date of EC	___ / ___ / ___	
	Operative time	_____ min	
	Initially laparotomic?	Yes [ ] No [ ]	
	If initially laparoscopic, conversion to open surgery?	Yes [ ] No [ ]	
	Bail out procedure?	Yes [ ] No [ ]	
		If yes, what? _____	
	Intraoperative complication?	Yes [ ] No [ ]	
		If yes, what? _____ _____	
Post-operative in-hospital data	Intraoperative death	Yes [ ] No [ ]	
		Yes [ ] No [ ]	
		If yes, what? _____	
	Post-operative in-hospital complications?	Report Clavien-Dindo Grade of each complication:	_____ _____ _____ _____
	Length of stay	_____ days	
<b>Study completion (Day 30 ± 7)</b>			
F O		Yes [ ] No [ ]	



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Post-operative post-discharge 30-day complications?	If yes, what? _____	
	Report Clavien-Dindo Grade of each complication:	_____ _____ _____ _____
Readmission within 30 days from discharge?	Yes [ ] No [ ]	
	If yes date of readmission: If yes, why? _____ _____	