

Patient Sticker

## **H.A.P.P.Y Pathway**

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.,	<b>—</b>						
emodynamic opt	imiso	ation And					
rioperative Proto							
noperative Proto	COIS (	at fork ne	spitui				
Protocol ID							
CPET Date							
Surgical Consultant							
Planned Operation							
Date of Surgery							
Preoperative comorbi	dities						
Myocardial infarction		Angina		CABG		Hypertension	
Renal insufficiency		COPD		Asthma		Valvular disease	
Any other relevant con	ditions	s:					
Cardiac risk factors							
High Risk Surgery		Ischaemi	c heart dise	ase 🗆	<b>Score:</b> 0 = 0.4-0.5	%	
CVA		Heart Fai	lure		1 = 0.9-1.3		
Diabetes		Renal ins	ufficiency (>	>170) 🗆	2 = 4-7% >3 = 9-11%		

<b>Preoperative m</b>	Preoperative medications						
Beta blockers		Calcium channel antagonists		Other anti- arrhythmic		Digoxin	
ACE inhibitors		Statin		Clopidogrel		Diuretics	
ATII blocker		Aspirin		OralHypoglycaemics		Insulin	

Blood results				
Haemoglobin	(g/L)	/	/	For preoperative iron infusion
Ferritin	ug/L	/	/	(Hb<130g/l): <b>Y/N</b>
Creatinine	umol/L	/	/	Stable/worsening/unknown
eGFR	mL/min/1.72m <sup>2</sup>			Renal Referral Required (eGFR<60)
HbA1C	mmol/L	/	/	

## **Frailty**

## Clinical Frailty Scale\*



 Very Fit – People who are robust, active, energetic, and motivated. These people commonly exercise regularly. They are among the fittest for their age.



2 Well – People who have no active disease symptoms but are less fit than category 1. Often, they exercise or are very active occasionally, e.g. seasonally.



3 Managing Well – People whose medical problems are well controlled, but are not regularly active beyond routine walking.



4 Vulnerable – While not dependent on others for daily help, often symptoms limit activities. A common complaint is being "slowed up", and/or being tired during the day.



5 Mildly Frail – These people often have more evident slowing, and need help in high order IADLs (finances, transportation, heavy housework, medications). Typically, mild frailty progressively impairs shopping and walking outside alone, meal preparation and housework.



6 Moderately Frail – People need help with all outside activities and with keeping house. Inside, they often have problems with stairs and need help with bathing and might need minimal assistance (cuing, standby) with dressing.



7 Severely Frail – Completely dependent for personal care, from whatever cause (physical for cognitive). Even so, they seem stable and not at high risk of dying (within – 6 months).

8 Very Severely Frail – Completely dependent, approaching the end of life. Typically, they could not recover even from a minor illness.





9 Terminally ill – Approaching the end of life. This category applies to people with a life expectancy <6 months, who are not otherwise evidently frail.

## Scoring frailty in people with dementia

The degree of frailty corresponds to the degree of dementia. Common symptoms in mild dementia include forgetting the details of a recent event, though still remembering the event itself, repeating the same question/story and social withdrawal.

In moderate dementia, recent memory is very impaired, even though they seemingly can remember their past life events well. They can do personal care with prompting.

In severe dementia, they cannot do personal care without help.

 Canadian Study on Health 7 Aging, Revised 2006.
 K. Rockwood et al. A global clinical measure of fitness and frailty in elderly people. CMAJ 2005;173:489-495.

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Score

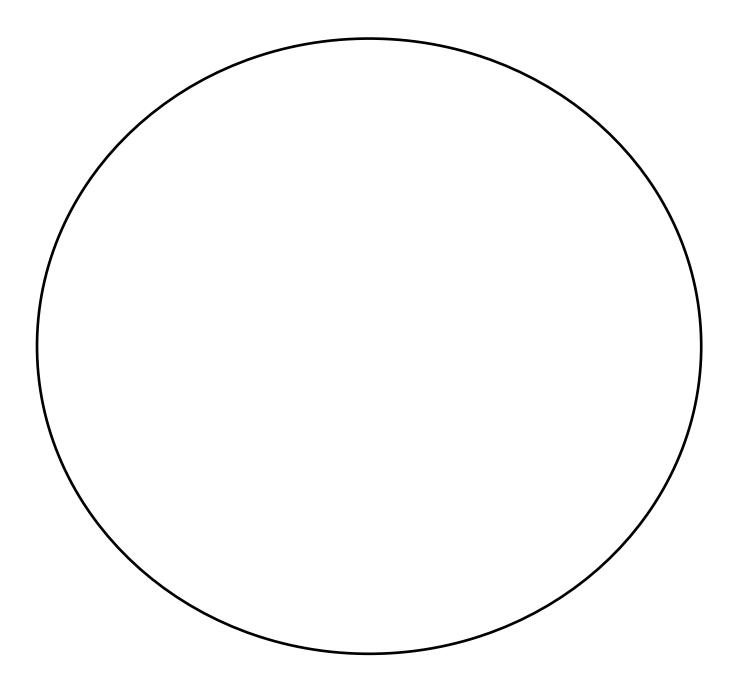
Cognitive impairment				
Administration	Special Instructions			
1. Get patient's attention and ask him or her	Allow patient three tries, then go to next item.			
to remember three unrelated words. Ask	Version 1: Banana, Sunrise, Chair			
patient to repeat the words to ensure the	Version 2: Daughter, Heaven, Mountain			
learning was correct.				
2. Ask patient to draw the face of a clock.	A correct response is all numbers placed in approximately the			
After numbers are on the face, ask patient	correct positions AND the hands pointing to the 11 and 2.			
to draw hands to read 10 minutes after	A clock should not be visible to the patient during this task.			
11:00 (or 20 minutes after 8:00).	Refusal to draw a clock is scored abnormal.			
	Move to next step if clock not complete within three minutes			
3. Ask the patient to recall the three words	Ask the patient to recall the three words you stated in Step 1.			

3 recalled words OR 1-2 recalled words + normal Clock Drawing Test = Negative for Cognitive Impairment

0 recalled words OR 1-2 recalled words + abnormal Clock Drawing Test = Positive for Cognitive Impairment

Negative for cognitive impairment 

Positive for cognitive impairment



>80	16	Intrathoracic		24	No				
Preop Saturation		<b>Duration of surgery</b>			Total S	core:			
96%	0	<2hrs		0					
91-95%	8	2-3hrs		16					
90%	24	>3hrs		23	<26	-	low risk	1-2%	)
Preop Hb <10g/dL		Emergency Procedure	9		26-44		ate risk	10-1	5%
Yes	11	No		0	≥45	high ri	sk	50%	
No	0	Yes		8					
Smoking									
Smoker: Yes □		No □							
		110							
Fagerstrom Score:	•••••								
Alcohol/Illicit Drugs									
Number of units per wee	ek:		Illic	it Drugs?					
Advice given		Yes □	No						
Drinking line number pr	ovidos	d Yes □	No						
Drinking line number pr	ovided	u tes 🗆	INO	Ш					
CARDIOPULMONARY	EXERO	CISE TESTING							
					,	, .			
CPX Anaesthetist:			CPX	Date:	/	/ <b>F</b>	ASA Grad	le:	
Weight:		Height:			. BMI:			. Age:	
Anaerobic threshold (m	l/kg/m	nin)							
Peak V02									
VE/VC02 at AT									
Panel 2				Abn	ormal			Nori	mal
Panel 3			Abnormal			Nor	mal		
Ischaemia on exercise E	CG			Υ	'es			No	)
Beta Blocker required			,	Yes	N	lo		Establ	ished
CPET Score		Post-o	p dest	tination					
Pathway:(please circle)		Enhanced					Standa	rd	
CPET Score of 0-1 = Standard Protocol, CPET Score of 2 = Enhanced Protocol to NEU, CPET Score of 3 =									
Enhanced Protocol to HDU									
Medication Changes:									
carcation changes									

Risk of post operative pulmonary complications (ARISCAT)

0

3

Age

<51

51-80

Surgical incision

Upper abdominal

Peripheral

**Respiratory infection in** 

17

0

last month

Yes

0

15

Intra-operative data			
Length of surgery:		Open:   Laparosc	opic: □ Converted: □
APGAR Score:			
Post-operative data			
Post Op Destination: ICL	J/HDU: 🗆 NEU: 🗆 Ward	: □	
Hours on protocol:	Time in PACU:		
Delayed PACU Discharge de	etails:		
,			
24 hour fluid balance		Time: fror	nuntil
In	put		Output
OT IV		Total Output	
Post op IV		24 Hour Balance	
RBC Volume			
Other blood products			
Post op Oral			
Total input			

Metaraminol Required:  $\Box$ 

Morbidity	Criteria	Day 3 Date: //	Day 5 Date: //	Day 7 Date: //
Pulmonary	Has the patient developed a new requirement for oxygen or respiratory support?  Incentive spirometry conducted			
Gastrointestina I	Unable to tolerate an enteral diet for any reason including nausea, vomiting and abdominal distension (use of antiemetic).			
Renal	Presence of oliguria <500ml/24hrs; increased serum creatinine (>30% from preoperative level); urinary catheter in situ.  Creatine			
Infectious	Currently on antibiotics and/or has a temperature of >38 degrees Celsius in the last 24 hrs.  CRP			
Cardiovascular	Diagnostic tests or therapy within the last 24 hr for any of the following: new myocardial infarction or ischemia, hypotension (requiring fluid therapy >200 mL/hr or pharmacological therapy), atrial or ventricular arrhythmias, cardiogenic pulmonary oedema, thrombotic event (requiring anticoagulation).			
Neurological Haematological	New focal neurological deficit, confusion, delirium, or coma.  Requirement for any of the following within the last 24hr: packed erythrocytes, platelets, fresh-frozen plasma or cryoprecipitate.			
Pain	New postoperative pain significant enough to require parenteral opioids or regional analgesia.			
Wound	Wound dehiscence requiring surgical exploration or drainage of pus from the operation wound with or without isolation of organisms.			
Total				

Post-operative complications				
Major	Requirement for acceptance	Date		
Sepsis	Any 2 of the following :HR>90, RR> 20/PaCO2< 4.3kPa, Core temperature < 36 or >38°C, WCC <4000 cells/mm3 or> 12 000 cells/mm3 or the presence of greater 10% immature neutrophils AND Infection suspected or proven by culture, stain or PCR or WBC in a normally sterile fluid OR, Evidence of a perforated viscus OR Abnormal CXR consistent with pneumonia.			
Wound dehiscence	Suturing of the fascia.			
Bleeding	Postoperative requiring transfusion or operation.			
Stroke	Focal symptoms and CT scan-verified acute pathology of a stroke.			
Pulmonary Emboli	Evidence from CTPA.			
Pulmonary Oedema	Needing increase in FiO2 > 0.6, or assisted ventilation including CPAP/BiPAP, or medical treatment.			
ACS	ECG changes and raised troponin.			
Ventricular arrhythmias	ECG changes, medical treatment and/or cardioversion.			
Bradycardia	HR<50 requiring medical treatment and/or pacing.			
Renal Failure	Requiring CVVH or dialysis.			
Anastomotic Leak				
Intrabdo Sepsis				

Minor Complications	Requirement for acceptance	Date
Superficial wound infection,	Surgical evacuation of pus or haematoma, secondary suture	
haematoma, or dehiscence.	and/or prolonged nursing care.	
Paralytic ileus	> 7 days without flatus or the need for TPN.	
Pneumonia	Elevated temperature and radiographic changes.	
Atelectasis	Clinical or radiological evidence requiring supplemental oxygen	
	therapy and physiotherapy and/or CPAP	
Pneumothorax	Radiological evidence	
Pleural Effusion	Radiological evidence	
Minor cardiac arrhythmias	ECG changes, medical treatment, and/or cardioversion.	
Cystitis	Elevated temperature, dysuria, and/or positive culture.	
Acute urinary retention	Requiring catheterisation	
Confusion	New confusional state.	
Hypotension	Systolic BP<90mmHg requiring fluid bolus/metaraminol requirement	
Transient ischaemic attach	A history and examination consistent with a TIA	
AKI	30% increase of baseline creatinine or/and < 0.5 ml/h diuresis.	

Other post op issues	Comments
NG Required	
TPN Required	

Flow			
Date of Discharge		ICU Days	
Total number of hospital days		HDU Days	
Discharge Destination		PACU Days	
Unplanned critical care admission	Y / N Date://	NEU Days	
Re-admitted within 30 days	Y / N	Ward Days	
Status at discharge	Alive / Deceased	Date of	Death:
30 days	Alive / Deceased	/	<b>/</b>
90 days	Alive / Deceased		