



ANNEXURE C: DATA COLLECTION SHEET

Data collection sheet			
<i>Exploring the outcome of post-operative interventions implemented to prevent a paralytic ileus in patients admitted to ICU following abdominal surgery</i>			
Assigned number:			
Section A: Input: Demographic information			
Sex	Male		Female
Age	_____years		
Date of surgery	_____(day)_____(month)_____(year)		
		Yes	No
Organ involved in surgery	Oesophagus		
	Stomach		
	Pancreas		
	Spleen		
	Liver		
	Small bowel		
	Large bowel		
	Other, <i>please indicate</i>		
Duration of surgery	_____(hours)_____(minutes)		
ICU admission	Date: _____(day)_____(month)_____(year)		
	Time: _____(hours)_____(minutes)		
Number of units of blood patient received during the intra-operative phase:			
_____ units			
Post-operative HB level on admission to ICU: _____g/dL			
Indicate type of vasopressor administration in after surgery:	Start	Discontinue	
	Date: _____(day)_____ (month)_____(year)	Date: _____(day)_____ (month)_____(year)	
PHENYLEPHRINE <input type="checkbox"/>			
VASOPRESSIN <input type="checkbox"/>			



	Time: ____(hours)____(minutes)	Time: ____(hours)____(minutes)
Indicate type of positive inotrope administration in after surgery: ADRENALINE <input type="checkbox"/> NOR-ADRENALINE <input type="checkbox"/> DOBUTREX <input type="checkbox"/>	Start Date: ____(day)____ (month)____(year) Time: ____(hours)____(minutes)	Discontinue Date: ____(day)____ (month)____(year) Time: ____(hours)____(minutes)
	Mechanical Ventilation: Yes <input type="checkbox"/>	No <input type="checkbox"/>
If yes, specify:	Invasive:	<input type="checkbox"/>
	Non-invasive	<input type="checkbox"/>
	Start Date: ____(day)____ (month)____(year) Time: ____(hours)____(minutes)	Discontinue Date: ____(day)____ (month)____(year) Time: ____(hours)____(minutes)



Section B: Process: Implementation of ERAS interventions

NURSING INTERVENTIONS

Intervention: Thermoregulation

Record core body temperature (DEGREES CELCIUS)

DAY/DATE:	06H00	10H00	14H00	22H00	02H00	04H00
DAY 0: __(day)__(month)__(year)						
DAY 1: __(day)__(month)__(year)						
DAY 2: __(day)__(month)__(year)						
DAY 3: __(day)__(month)__(year)						

Intervention: Avoid fluid overload

Calculate the accumulative intake and output:

Intra-operative intake and output: Total intake: _____
 Total output: _____
 Accumulative balance: _____

INTAKE				OUTPUT			BALANCE
DATE/TIME	MAINTENANCE (mL)	RESUS FLUID (mL)	OTHER (mL)	URINE (mL)	NGT (mL)	DRAINS (mL)	(mL)
		crystalloid	c o l l o i d				
DAY 0 DATE: _____ (dd/m/yy) TIME: __h__m							



DAY 1 DATE: _____ (dd/m/yy) TIME: __h__m								
DAY 2 DATE: _____ (dd/m/yy) TIME: __h__m								
DAY 3 DATE: _____ (dd/m/yy) TIME: __h__m								
							TOTAL: (INTRA-OPERATIVE ACCUMULATIVE BALANCE + DAY 0 + DAY 1 +DAY 2 + DAY 3)	

Record serum albumin levels:

DAY	DATE (DD/M/YY)	TIME (HOUR/MIN)	ALBUMIN (g/dL)	Treatment given (YES/NO)	
DAY 0					
DAY 1					
DAY 2					
DAY 3					

Record serum potassium levels (K IN MMOL/L) and K replacement (RX) given for hypokalemia:

DAY/DATE:	06H00-07H00		08H00-11H00		12H00-15H00		16H00-19H00		20H00-23H00		24H00-03H00		04H00-05H00	
	K	RX	K	RX	K	RX	K	RX	K	RX	K	RX	K	RX
(NOTE: RECORD IF TREATMENT WAS GIVEN- YES/NO)														
DAY 0: _____ (DD/M/YY)														
DAY 1: _____ (DD/M/YY)														
DAY 2: _____ (DD/M/YY)														
DAY 3: _____ (DD/M/YY)														



Intervention: Early removal of urinary catheter

Does the patient have a urinary catheter on admission:	YES	NO
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If yes, specify the date and time of removal: Date: _____ (day) _____ (month) _____ (year)
Time: _____ (hours) _____ (minutes)

PHYSIOTHERAPIST INTERVENTIONS

Intervention: Early mobilization

Record the type and duration of post-operative mobilisation:

MOBILISATION (INDICATE : YES/NO)	DAY 0 _____ (DD/M/YY)	DAY 1 _____ (DD/M/YY)	DAY 2 _____ (DD/M/YY)	DAY 3 _____ (DD/M/YY)
TURNING IN BED				
SITTING ON EDGE OF BEDSIDE				
STANDING				
WALKING				
ROCKING CHAIR				
OTHER				

If other, specify type of mobilisation: _____

DIETICIAN INTERVENTIONS

Intervention: Early feeding

Indicate (X) the type of diet prescribed by the dietician:

DIET	DAY 0: _____ (DD/M/YY)	DAY 1: _____ (DD/M/YY)	DAY 2: _____ (DD/M/YY)	DAY 3: _____ (DD/M/YY)
NPO				
CHEWING ICE CUBES				
CLEAR FLUID DIET				
MIXED FLUID DIET				
250ML COFFEE PER DAY				
SOFT DIET				
NORMAL DIET				
ENTERAL NUTRITION VIA NASOGASTRIC TUBE				
PARENTERAL NUTRITION VIA CENTRAL VENOUS CATHETER				

Did the patient receive the correct prescribed diet:



DAY	YES	NO
DAY 0		
DAY 01		
DAY 02		
DAY 03		

Intervention: Sham-feeding

Indicate (X) method of sham-feeding:

METHOD	DAY 0: _____ (DD/M/YY)	DAY 1: _____ (DD/M/YY)	DAY 2: _____ (DD/M/YY)	DAY 3: _____ (DD/M/YY)
CHEWING ICE CUBES				
CHEWING SOLID FOOD				
CHEWING GUM				

INTENSIVIST INTERVENTIONS

Intervention: Prevent nausea and vomiting

Indicate prescribed laxatives on the prescription chart (type, dose, frequency)

TYPE	YES/NO	DAY 0: _____ (DD/M/YY)	DAY 1: _____ (DD/M/YY)	DAY 2: _____ (DD/M/YY)	DAY 3: _____ (DD/M/YY)
LACTULOSE		Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____
FLEET ENEMA		Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____	Dose:_____ Frequency:_____ Route: _____	Dose:_____ Frequency:_____ Route: _____



OTHER		Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____
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Were laxatives administered correctly as prescribed?

DAY	YES	NO
Day 0		
Day 01		
Day 02		
Day 03		

Indicate prescribed pro-kinetic therapy on the prescription chart (type, dose, frequency)

DRUG	YES/NO	DAY 0: _____ (DD/M/YY)	DAY 1: _____ (DD/M/YY)	DAY 2: _____ (DD/M/YY)	DAY 3: _____ (DD/M/YY)
ERYTHROMYCIN		Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____
KYTRIL		Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____
MAXALON		Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____	Dose: _____ Frequency: _____ Route: _____
OTHER		Type: _____ Dose: _____ Frequency: _____	Type: _____ Dose: _____ Frequency: _____	Type: _____ Dose: _____ Frequency: _____	Type: _____ Dose: _____ Frequency: _____



		Route: _____	Route: _____	Route: _____	Route: _____
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Were pro-kinetic drugs administered correctly as prescribed?

DAY	YES	NO
DAY 0		
DAY 01		
DAY 02		
DAY 03		

Intervention: Pharmaceutical pain management

Indicate pharmaceutical pain management on the prescription chart (type, dose, frequency)

CLASSIFICATION OF DRUG	YES/NO	DAY 0: _____ (DD/M/YY)	DAY 1: _____ (DD/M/YY)	DAY 2: _____ (DD/M/YY)	DAY 3: _____ (DD/M/YY)
NSAIDS		Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____
MID-THORACIC EPIDURAL		Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____
MAGNESIUM SULPHATE		Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____
OPIOIDS		Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____



SEDATIVES		Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____
PARALYTICS		Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____
OTHER		Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____	Type: _____ Dose: _____ Frequency: _____ Route: _____

Was the correct pharmaceutical pain management administered according to the prescription?

DAY	YES	NO
D 0		
D 01		
D 02		
D 03		

SECTION C: OUTPUT: PATIENT HEALTH OUTCOMES

Outcome: Patient assessment of normal gastric function on post-operative Day 4:

PASSAGE OF STOOL (BOWEL MOVEMENT)	YES	NO
RADIOLOGIC CONFIRMATION OF AN ILEUS	YES	NO
EVIDENCE OF FEEDING INTOLERANCE	YES	NO
ABDOMINAL DISTENTION	YES	NO
NEED FOR NASOGASTRIC DECOMPRESSION	YES	NO
Was the patient diagnosed with a paralytic ileus:	YES	NO
If yes, specify date and time of diagnosis on post-operative day 04:	Date: _____ (DD/M/YY)	Time: __H__M



Outcome: Length of ICU stay:					
ICU discharge:		Date: _____ <small>(DD/M/YY)</small>	Time: ____H____M		
Outcome: Re-admission rate to ICU					
Re-admission:	YES	NO	Paralytic ileus on re-admission:	YES	NO
If yes, specify:					
Re-admission Date: _____ <small>(DD/M/YY)</small>					
Re-admission Time: ____H____M					
Outcome: Patient mortality rate					
Did the patient die?	YES	NO			
Specify date and time of death:		Date: _____ <small>(DD/M/YY)</small>			
		Time: ____H____M			