SECTION 1: INCLUSION, EXCLUSION & RANDOMISATION INFORMATION						
SUBJECT # _ _ - _ SITE # _ _ _						
DEMOGRAPHIC INFORMATION						
Given name _ _ _ _ _	Family name	_ _ _		_		
Date of birth _ / _ / _ _	Gender	Female		⁄lale □		
Consent date	Date of surgery	_ _ / _	/ DD/MMM/YYYY)	_ _ _		
INCLUCION & EVOLUCION CRITERIA			VEC	NO		
INCLUSION & EXCLUSION CRITERIA			YES	NO		
Age ≥ 50 years						
Planned elective major intra-peritoneal surgery using	an open surgical	technique				
Inability or refusal to provide informed consent						
Anticipated requirement for invasive or non-invasive least four hours after surgery as part of routine care	mechanical ventila	ation for at				
Known or suspected pregnancy or planned obstetric						
Previous enrolment in the PRISM trial						
Current participation in another clinical trial of a treat mechanism or primary outcome measure						
Clinician refusal (concern specific to surgical procedu						
Clinician refusal (other)						
Contraindication to continuous positive airway press						
	,					
Planned level of care on the first night after surge	ery		Tick	one		
Critical care unit level 3						
Critical care unit level 2]		
Post-anaesthesia care unit]		
Surgical ward]		
RANDOMISATION CRITERIA	-!-+-\		Tick	one		
Planned surgical procedure (single most appropriate of color rectum or small bowel	riate)					
Resection of colon, rectum or small blowel		L]]			
Resection of liver, pancreas or gall bladder]]				
Resection of stomach (non-obesity surgery) Resection of oesophagus (non-obesity surgery)	L					
Obesity surgery				<u>. </u>		
Vascular procedure				<u>. </u>		
Other intra-peritoneal surgery				<u>. </u>		
Planned anaesthetic technique			YES	NO		
Planned use of epidural anaesthesia						

Randomisation should only take place once it is certain that surgery will take place

SECTION 2: BEFORE SURGERY					
SUBJECT#	_ - - - -	SITE#	_		

CO-	MORBID DISEASE					YES	NO	
1.	Chronic respiratory disease							
	Chronic obstructive pulmonary	disease (COP	D)					
	Asthma							
	Interstitial lung disease or puln	nonary fibrosis						
	Bronchiectasis							
2.	Ischaemic heart disease							
3.	Diabetes mellitus							
4.	Heart failure							
5.	Liver cirrhosis							
6.	Active cancer							
	If yes – is cancer the indication for surgery?							
	If yes - is the surgery intended to be: ☐ curative or ☐ palliative							
7.	. Previous stroke or transient ischaemic attack (TIA)							
8.	. Current smoker (within the last 14 days)?							
9.	Primary respiratory infection within the previous month (including acute pulmonary tuberculosis)?							
10.	Diagnosis of Human Immunodeficiency Virus (HIV) infection? NR. If not tested							
	IER DETAILS							
ASA	(American Society of Anesthesiolo	<u> </u>						
	Class I Class II	Class III	Class IV □	Class \				
	sical measurements		M . 1 (/ L)					
Heig	Height (cm):							
Labe	Resting oxygen saturation (Sp	•			_ %	NOT mass	v. wo d	
	oratory values (within 4 weeks before	e surgery)	1 1 1 2/4		TICK II I	NOT meas	sured	
	moglobin measurement atinine measurement	1	_ _ _ g/dL _ _ _ mcmol/L					
CIEC	aunine incasurement		_ IIICIIIOI/L			Ш		

Black or Afro-Carribean □

Ethnicity (for eGFR)

Other \square

SECTION 3: DURING S	SURGERY					
SUBJECT # _ - _	_	SITE#		_ _ _		
START OF SURGERY	DA	TE: <u> </u> / <u> </u> 00	<u> </u> / <u> </u> <u> </u> TIME: _ //MMM/YYYY)	_ : (HR : MINS)		
SURGICAL PROCEDURE	E PERFORM	ED (single most	appropriate)	Tick o	one	
Resection of colon, rectum	n or small bo	wel				
Resection of liver, pancrea	as or gall bla	dder				
Resection of stomach (nor	n-obesity sur	gery)				
Resection of oesophagus	(non-obesity)				
Obesity surgery						
Vascular procedure						
Other intra-peritoneal surgery						
SURGICAL TECHNIQUE				YES	NO	
Open surgical technique u	sed during s	urgery				
ANAESTHETIC TECHNIC	QUE					
General Anaesthesia						
Epidural anaesthesia						
Spinal anaesthesia						
Did the patient have an en	ndotracheal to	ube inserted?				
If YES, was the patient	extubated be	efore leaving the c	perating room?			
MECHANICAL VENTILAT	TION DURIN	G SURGERY				
Did the patient receive a re	ecruitment m	anoeuvre during s	surgery?			
Did the patient receive me	chanical ven	tilation during sur	gery?			
If YES, please answer to	the following	:				
Maximum positive end-expiratory pressure (PEEP)					mH ₂ O	
Maximum set tidal	Maximum set tidal volume (Vt) _ _ ml					
Maximum respirato	ory rate				min ⁻¹	
Maximum FiO ₂ (ex	cluding pre-c	exygenation during	induction of anaesthesia)		_ %	
INTRAVENOUS FLUIDS	DURING SU	RGERY				
Total volume of intravenou	us fluid admir	nistered excluding	blood products		_ mL	

Total volume of blood products administered

Date and time of the end of surgery

__|__| mL

|__|:|__| (HR:MINS)

SECTION 4: TRIAL INTERVENTION PERIOD					
SUBJECT#	_ - - -	SITE#		_ _	
					7
CPAP AFTE	YES	NO			
	nt receive Continuous Po after the end of surgery?		ssure (CPAP) started within		
	If YES, please answer th	ne following quest	ions. If NO, please skip to next se	ection.	
Date and time	e patient started CPAP	_	_ / _ _ / _ _ (DD/MMM/YYYY)	_ : (HR:N	1
Total duration	n of CPAP within twelve I	nours of the end o	of surgery	 (MIN)	_ NS)
Maximum air	way pressure received d	uring this period			cmH ₂ O
Primary meth	od of CPAP delivery (sin	gle most appropri	iate)		
Face mas	k]
Helmet device					
Nasal mask					
				YES	NO
Were extra re	esearch staff present to h	elp deliver CPAP	?		
Did the staff administering CPAP use equipment to monitor airway pressures?					
Did the staff administering CPAP use equipment to monitor the FiO ₂ ?					
Did the patier	nt have a nasogastric tub	e in situ during C	PAP?		
RESPIRATO	RY SUPPORT AFTER S	SURGERY		YES	NO
Did the patier	nt receive any of the follo	wing within four h	ours of the end of surgery?		
Invasive m	nechanical ventilation				
Non-invas	ive mechanical ventilatio	n			
High flow	nasal oxygen therapy				
LEVEL OF CARE ON THE FIRST NIGHT AFTER SURGERY					one
Critica	Critical care unit level 3				
Critica	al care unit level 2			Г	
Post-a	anaesthesia care unit			Г	
Surgio	cal ward			Г	

SECTION 5: 30-DAY FOLLOW-UP									
SUBJECT # _ - _	_ _ _	SITE#	:	<u> </u> _	_	_ _ _	.		
Date of follow-up				_	_ / _ (DD-	_ / _ MMM-YYYY)	_		
All of the outcome	es in sectio	n 5 refer to t	he time	е ре	eriod with	in 30 days	of rand	omisatio	on
Primary outcome	YES	NO			If	yes, date	of even	t	
Pneumonia						/ <u> </u> (DD-MMM	_ / <u> </u> -YYYY)	_ _	
Endotracheal re-intubation					_	/ <u> </u> (DD-MMM	/ _ -YYYY)	_	
Death	☐ Alive	□ Dead	Date (of de	eath: <u> </u>	/ (DD-MMM	/ _ -YYYY)	_ _	
Respiratory complications	5		1		II	111	IV	V	NONE
Pneumonia									
Pleural effusion									
Pneumothorax									
Bronchospasm									
Aspiration pneumonitis									
Acute Respiratory Distress	Syndrome (ARDS)							
Infective complications			I		II	III	IV	V	NONE
Surgical site infection (supe	rficial)								
Surgical site infection (deep)									
Surgical site infection (organ space)									
Urinary tract infection									
Infection, source uncertain									
Laboratory confirmed blood	stream infe	ction							

Please refer to the protocol appendix for specific definitions of complications. Please grade complications using the Clavien-Dindo scale as follows:

- I. Any deviation from the normal postoperative course without the need for pharmacological, surgical, endoscopic or radiological intervention. Anti-emetics, anti-pyretics, diruetics, electrolytes or physiotherapy are not considered a deviation from the normal postoperative course.
- II. Requires pharmacological treatment with drugs (including blood transfusion or total parenteral nutrition) other than those excluded from grade I.
- III. Requires surgical, endoscopic or radiological intervention.
- IV. Life-threatening complication (including CNS complication, but excluding transient ischaemic attack) requiring critical care admission
- V. Death

SECTION 5: 30-DAY FOLLOW-UP										
SUBJECT#	-	SITE # _ _ _ _ _ _ _								
• "										Neve
	Cardiac complications I II III III IV								V	NONE
Myocardial in	farction						_			
Arrhythmia							-			
	oulmonary oedema	tation						<u> </u>		
Cardiac arres	t with successful resuscit	lalion					L			
Other compl	ications		ı		l II	III	ľ	V	V	NONE
Acute kidney										
Pulmonary er	• •									
Stroke										
Acute psycho	osis or delirium									
Bowel infarction										
Anastomotic leak										
Perforation of viscus (e.g. bowel, gall bladder etc)										
Postoperative haemorrhage							•			
Gastro-intestinal bleed										
Other post	toperative haemorrhage									
Any other co	emplication, <i>please give o</i>	details here:								
							1		l	-1
Additional tr	reatments								YES	NO
Blood transfu	ısion									
Parenteral (ir	ntra-venous) nutrition									
Endoscopy o	r interventional radiology	procedure								
Repeat surgery										
If YES,	please indicate the reas	on for repeat	surge	ry						
	Infection									
Bleeding										
	Anastomotic leak									
	Other									
Invasive med	hanical ventilation after l	eaving the op	eratin	g ro	om					
If YES,	what was the total durat	ion of invasive	e mec	hani	ical ventila	tion?				_ hours
Non-invasive mechanical ventilation after leaving the operating room										

If YES, what was the total duration of non-invasive mechanical ventilation?

|__|_| hours

SECTION 5	: 30-DAY FOLLOW-UI)		
SUBJECT#	_ - - - _	SITE#	_	

Patients admitted to a critical care unit	TES	NO
Was the participant admitted to a critical care unit? NB. If 'no', move to the next section.		
Was the critical care admission to treat a complication?		
Was a planned critical care admission prolonged by a postoperative complication?		
What was the total duration of the level 2 critical care stay within 30 days of randomisation?	_	days
What was the total duration of the level 3 critical care stay within 30 days of randomisation?	_ days	
Details of the hospital stay	YES	NO
Duration of primary hospital admission (from randomisation)	_	days
Re-admission to hospital within 30 days of randomisation		
Investigator self-assessment of blinding		
I was suitably blinded		

The self-assessment of blinding should be completed by the investigator that collects the 30-day follow up data. This assessment only applies to data collection at this time point

I may have known the study group allocation

I definitely knew the study group allocation

SECTION 6: ONE-YEAR FOLLOW-UP					
SUBJECT#	_ - - - - -	SITE#			
Date of follo					

Date of follow-up	_ / _ / _ (DD-MMM-YYYY)
Patient status on date of follow-up	☐ Alive ☐ Dead: date of death: _ _ / _ _ / _ _ _ _

SUPPLEMETARY FORM: WITHDRAWAL						
SUBJECT#	_ - - - -	SITE#				

ONLY COMPLETE THIS FORM IF THE PARTICIPANT PREMATURELY STOPPED THEIR PARTICIPATION IN THE TRIAL OR IF THEY COULD NOT BE CONTACTED

Date the patient prematurely discontinued study participation:	 _ / _ / (DD-MMM-YYYY)
What was the primary reason for the discontinuation of the study?	 ☐ Inclusion/Exclusion criteria not fulfilled ☐ Surgical procedure abandoned ☐ Adverse event related ☐ Patient initiated ☐ Other, specify:
In the case of patient withdrawal, please check:	 □ The participant agrees that any data collected up to the date of withdrawal can still be used. □ The patient would like their data removed from the database.

SUPPLEMENTARY FORM: ADVERSE EVENT DURING CPAP				
SUBJECT#	_ - - - -	SITE#	_	

ONLY COMPLETE THIS FORM IF THE PATIENT EXPERIENCED AN ADVERSE EVENT DURING CPAP

In the case of multiple adverse events, please complete a separate form for each one.

ADVERSE EVENT RELATED TO CPAP FORM – PAGE 1	NO	YES		
Did the patient experience an adverse event related to Continuous Positive Airway Pressure (CPAP) that was delivered as part of the PRISM trial?				
If YES, please answer the following questions.				
Date and time of onset of adverse event _/ / _ _ / _ _ _	_ : (HR:M	_ INS)		
Adverse Event	NO	YES		
Interface intolerance due to excessive air leak				
Pain				
Cutaneous pressure area				
Claustrophobia				
Oronasal dryness				
Hypercapnia				
Haemodynamic instability				
Vomiting				
Aspiration of gastric contents				
Other:				
Response to adverse event	Tick	one		
CPAP was <i>unchanged</i>				
CPAP was <i>modified</i>				
CPAP was stopped				
Outcome of adverse event	NO	YES		
If YES to any option below, please notify the PRISM trial coordinating centre within 24 hours by email.				
Death				
Life-threatening complication				
Prolonged hospital stay				
Significant disability or incapacity				

SUBJECT#	_ - - -	SITE#	_				
ADVERSE EVENT RELATED TO CPAP FORM – PAGE 2							
	ibe the adverse event, in			edication required.			
Name and sig	gnature:			Date:			

SUPPLEMENTARY FORM: ADVERSE EVENT DURING CPAP

SUPPLEMENTARY FORM: PROTOCOL DEVIATION				
SUBJECT#	_ - - - _	SITE#	_	

ONLY COMPLETE THIS FORM IT THERE IS A PROTOCOL DEVIATION	714			
Participant in the intervention group did NOT receive CPAP				
NB. This includes instances where CPAP is started more than twelve hours after the end of surgery. If CPAP was administered, but for only a brief duration, please record this in the next section below.				
Please indicate the reason				
CPAP was not offered				
Participant remained intubated after surgery				
Inadequate staffing or process issues				
Participant or clinician refusal				
Participant was too unwell to receive CPAP				
Equipment failure				
Other (please state):				
CPAP administered for less than 4 hours duration				
NB. This includes instances where CPAP was administered, but only for a brief duration	on			
Please indicate the reason				
Participant or clinician refusal				
Inadequate staffing or process issues				
Participant too unwell to continue with CPAP				
Equipment failure				
Other (please state):				
CPAP administered with significant interruption				
NB. Brief interruptions to adjust mask, or for oral/nursing care are considered part of the intervention and do not require a protocol deviation form to be completed				
Please indicate the reason				
Participant or clinician refusal				
Inadequate staffing or process issues				
Participant too unwell to continue with CPAP				
Equipment failure				
Other (please state):				

SUPPLEMENTARY FORM: PROTOCOL DEVIATION					
SUBJECT#	- -	SITE#	_		
		-			
	d at a dose other than t	5cmH₂O			
Please indica					
	unication error				
Decisio	n by clinical staff				
Other (p	olease state):				
Participant ii	n the usual care group	DID receive CPAP			
Please indica					
Randor	nisation				
Commu	unication error				
Decisio	n by clinical staff				
Other (p	olease state):				
Other protoc	col deviation				
Other (please	e state):				П
PROTOCOL	DEVIATION				
Briefly describ	be the protocol deviation				
Name and sig	gnature:			Date:	