Patient ID:	<u> _ - - </u>		<u> </u>	_ _				S	ex: N	1ale	/ Female
CRF 1											
0. Informed co						1					
Is consent applica	•		o No				•	date of	DI	D-MI	MM-YY
Mandatory unless the and written exempting		explicit	.,				conse	ent:			
-			o Yes								
1. Patient Info	rmation		142			I	4.0.11		1		
1.1. Year of			1.2.				1.3. H	leight			
Birth *			Weight	t			T I				
1.4. Clinical Frailt	v Scalo *		1 Very	fi+			6 Moderately Frail				
1.4. Cillical Franc	y Scale		2 Well	TIL				rely Frail	all		$\overline{}$
				aging well		)		severely	Erail		$\bigcirc$
			4 Vulne		+	_	9 Tern		rran		$\overline{}$
			5 Mildl					n't know			$\overline{}$
Previous medical	history *		3 Willui	ly Fraii		$\cup$	10 001	I L KIIOW			
	Previous medical history *  1.5. Coronary Artery Disease O No O Yes										
1.6. Cerebrovascu	•		0 No				o Yes				
1.7. Peripheral va			o No				o Yes				
1.8. Atrial fibrillat		<u> </u>	o No				o Yes				
1.9. Heart failure			o No				o Yes				
1.10. Hypertensic	on		o No				o Yes				
1.11. Diabetes			o No	o Insulir	n dei	pendent			lin de	pen	dent
1.12. Chronic live	r disease		o No		O Non-insulin dependent O Yes						
1.13. Chronic res		se	o No		I		Othe	r			
1.14. Long-term s	•		o No			o COPD	o Yes				
1.15. Thyroid dys			o No				o Yes				
1.16 Alcohol exc	o No				o Yes						
1.17 Current sm	oker:		o No				o Yes				
1.18 History of D	VT/PE		o No	o No			o Yes				
1.19 Bleeding dis			o No				o Yes				
1.20. Regular me		k all tha	t apply. I	eave blan	k if ı	not a regu	lar me	dication)			
ACE inhibitor	If □ yes		k day of s			omitted da			C	unl	known
Alpha blocker	If □ yes	o tool	k day of	surgery	00	omitted da	ay of su	ırgery	0	unl	known
A	→ 		l				c				
Angiotensin	If □ yes	0 tool	k day of s	surgery	00	omitted da	ay or su	urgery	(	uni	known
receptor blocker Beta blocker	→   If □ yes	O tool	k day of s	CIIKAOKI.	0.6	omitted da	of c	ırgorı			known
Deta biocker	$\rightarrow$	0 1001	K day of s	suigeiy		Jillitteu ua	ay Oi St	al gel y		uiii	KIIOWII
Calcium channel	If □ yes	O tool	k day of s	surgerv	0.0	omitted da	av of si	ırgerv		ıın	known
blocker	→ yes		k day or s	our gery		Jimetea ac	<i>1</i> , 01 50	ar Ber y	`	uiii	XIIO WIII
Diuretic	If □ yes	o tool	k day of s	surgery	00	mitted da	ay of su	ırgery	(	unl	known
	$\rightarrow$										
Regular NSAIDs	If □ yes →	o tool	k day of s	surgery	00	omitted da	ay of su	urgery	C	unl	known
Anti-platelet	Aspirin	Clopic	dogrel		Tic	agrelor			F	rası	ıgrel
therapy									_ ]		
Anti-arrhythmic	Digoxin	Amic	odarone	Sotalol		Propafe	none	Flecaini	de	Ot	her
agent (excluding											
beta blocker or											
calcium channel											
blocker)											
Haemodynamics	Leave blank	if not av	/ailable								





Patient ID:   _ - _  - _    Sex: Male / Female											
Measurements in the past 6 months or at least 12h prior to the operating room, at rest.											
1.21. Systolic:	1.21. Systolic: 1.22							23 Heart rate:			
Reading immediately prior t	o ind	uction	of anaest	hesia:							
1.24. Systolic:		1.25	Diastolic: 1.26 Heart rate:								
Laboratory. Leave blank if n											
1.27. Creatinine:							mg,	/dl or μmol/L		,	
1.28. Albumin							g/d	L, g/L or μmo	l/L		
1.29. Haemoglobin								L, g/L or mmc			
-						•					
2 6											
2. Surgery	Info	ation .									
2.1 Reason for surgery *		ction		$\bigcirc$							
	Can			$\bigcirc$							
		ture		$\bigcirc$							
		eding		$\bigcirc$							
	Oth	er									
2.2 Surgical procedure		Breas	t			$\circ$		thopaedic		C	)
*			ecologica			$\bigcirc$		istics / Cutane		С	)
(select single most appropri	ate)	Head	and necl	k		$\bigcirc$	Up	per gastro-int	testina	al C	)
		Hepa	to-biliary	,		$\bigcirc$	Ne	urological/spi	inal	C	)
		Kidne	y / urolo	gical		$\bigcirc$	Va	scular			)
		Lowe	r gastro-i	intestin	al	$\bigcirc$	Ot	her		C	)
2.3 Severity		Minor									
*		Intermediate				$\overline{\bigcirc}$					
		Majo	r			$\tilde{\bigcirc}$					
2.4. ASA-PS:			: Healthy	y persor	1						
*			2: Mild sy							Ŏ	
			: Severe							$\overline{0}$	
				-			is a	constant thre	eat to	$\overline{0}$	
		life.									
		ASA 5	5 A moribund person who is not expected to survive							0	
			out the operation.								
2.5. Urgency		Urger									
*			ides emergency, expedited, urgent and immediate)								
			rgent								
		(inclu	ides planned/elective)								
			•								
2 0											
3. Operative		_ *	DD 111	484 301							
3.1. Date of anaesthesia ind			DD-MMM-YY								
3.2. Time of anaesthesia ind		n *	HH:MM								
3.3. Date of end of surgery *			DD-MN								
3.4. Time of end of surgery *			HH:MN		1						
3.5. Estimated blood loss (m	<25	50	251	-1000	)	1001-3000		>3000			
	0			0		0		0			
3.6 /3.7 Lowest intraoperati	ood	Systolic	::				Diastolic:				
pressure (paired) *											
[Lowest Systolic & Lowest L											
should be taken at the same 3.8. Anaesthesia:	LIITIE	J						Volatile			
*						TIVA	<del></del>		-		
(Tick all that apply)		Sad	ation w	ithout	SAC				=		
(on an eliat apply)		3. ,									
								Regional Spinal	<del>-</del>		_
			I					Shilla	ш		1





Patient ID:	-  _		Se	ex: Male / Female
			Epidural	
3.9. Airway		Endoti	racheal tube	0
*			lottic airway	0
	O2 fa	cemask or nasal		$\circ$
3.10. Arterial line *	o No		o Yes	
3.11. Central venous line *	o No		o Yes	1
3.12.1 Which Intra-operative	Atropine			
vasoactive drugs (bolus or infusion)		drin/Theodrenali	n)	
	Dobutamine			
[Tick all that apply]	Dopamine			
	Ephedrine			
	Epinephrine (A	•		
	Glycopyrronniu	ım		
	Metaraminol			
	Milrinone			
	Nitrates			
	Norepinephrine	e (Noradrenaline)	)	
	Phenylephrine			
	Vasopressin or	Terlipressin		
3.12.2 Which Intra-operative anti-	Amiodarone			
arrhythmic drugs [Tick all that apply]	Beta-blocker			
	Calcium chann	el blocker		
	Magnesium			
	Potassium			
	Other			
3.13. Was the patient receiving a vaso	pressor infusion	prior to	o No	o Yes
anaesthesia? *				
3.14. Fluids and blood products	Crystalloid			
received during surgery:				(mL)
[Tick all that apply]	Colloid			
	(starch-gelofus	sine-albumin)		(mL)
	Packed red blo	od cells		
				(mL)
	Fresh frozen p	lasma		
	·			(mL)
	Platelets			,
				(mL)
	Whole blood o	or		
	autotransfusio			(mL)
4 Post operative	1			, -/
4. Post-operative	24b).			
Following the end of surgery (within 2 4.1. Did the patient receive enteral va		O No	o Yes	
		_	+	
4.2. Did the patient receive <b>boluses</b> o	t vasopressors?	o No	o Yes	
		21 /2: 1		/o
4.3. Did the patient receive an <b>infusio</b>	on of	O No (Stop her	- 1	Continue with
vasopressors? *				and 4.3.2)
4.3.1. <b>If yes</b> , did the infusion continue	or start after 1	o No	○ Yes	
hour from the end of surgery?			o Yes	
4.3.2. <b>If Yes</b> , Did this infusion start wit	thin 24 hours	o No		
from the end of surgery?				
If "yes" o	n 4.3.1 and 4.3.2	, complete CRF	2	





Patient ID: |\_\_|\_|-|\_\_|-|\_\_|-|\_\_| Sex: Male / Female **Outcomes** Ventilation: 5.1. o No Invasive mechanical Non Invasive Ventilation (NIV) ventilation (IMV) 5.2. Acute Myocardial Infarction \* o No o Yes 5.3. New onset atrial fibrillation \* o Yes o No If yes, complete CRF3 5.4. New onset other dysrhythmia \* o No o Yes mg/dl or μmol/L 5.5. Renal: Highest creatinine (within the first week) postoperatively indicate which unit 5.6. Renal replacement therapy \* o No o Yes o Yes 5.7. Parenteral nutrition \* o No 5.8. Antibiotics for a o Yes (complete ⇩) o Unknown o No newly diagnosed o Skin or soft tissue o Abdominal infection \* o Lines Respiratory o Urinary o Other 5.9. Accordion o None classification of surgical o Mild complication complication Moderate complication Severe complication o Death 5.10. Date of hospital discharge or DD-MMM-YY date of intrahospital death: \* 5.11. Stayed an inpatient for more o No o Yes than 30 days? \*







## Clinical Frailty Scale\*



I 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 or 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 III - 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.

- \* I. Canadian Study on Health & Aging, Revised 2008. 2. K. Rockwood et al. A global clinical measure of fitness and frailty in elderly people. CMAJ 2005;173:489-495.
- © 2007-2009. Version I.2. All rights reserved. Geriatric Medicine Research, Dalhousie University, Halifax, Canada. Permission grante to copy for research and educational purposes only.



## 2.3. Severity of surgery:

<u>Minor</u>: Procedure < 30 minutes. Examples: arthroscopy without intervention, removal of cutaneous tumour, proctology procedures, biopsy or excision biopsy of small lesions, etc

<u>Intermediate</u>: Procedure performed in a dedicated operating room that may pose the risk of significant complications or tissue injury. Examples: laparoscopic cholecystectomy, arthroscopy with intervention, bilateral varicose vein removal, tonsillectomy, inguinal hernia repair, breast lump resection, haemorrhoidectomy, appendicectomy, partial thyroidectomy, cataract surgery, uvuloplasty, minimally invasive repair of vaginal prolapse, vaginal hysterectomy, fixation of mandibular fracture, etc

<u>Major</u>: Performed in a dedicated operating room and is expected to last more than 90 minutes. Examples: major gut resection, major joint replacement, mastectomy, extensive head and neck tumour resection, abdominal aortic aneurysm repair, major vascular bypass procedure, procedures involving free flap to repair tissue defect, amputation, total thyroidectomy, cystectomy, trans-urethral resection of prostate, resection of liver tumour, carotid endarterectomy, nephrectomy, total abdominal hysterectomy, spinal discectomy, etc





Patient ID:	<u> _ _</u>	<u> </u>	-	·	·  _			Sex: M	ale / Female
CRF 2									
Postoperat						1			
	•				of vasopressor			o Yes	
		ed o	r cont	inued a	t least 1 hour	(If 'No'	then please do not		
after surge	•						olete any further)		
The infusion i					у,				
and this does and does not					ant				
vasopressors	meiaae vas	ouce	ve araş	jo criac ar	e not predomine				
At one hou	r after the	cor	npleti	on of su	irgery, is the p	oatient:			
6.2. Receivi	ing contin	uou	s infus	ion of r	o No		o Yes		
anaesthesia	a/analgesi	ia i.e	e. epid	ural info	usion *				
6.3. Still red	ceiving a s	eda <sup>.</sup>	tive in	fusion *	•	o No		o Yes	
6.4. Still ha	s an airwa	y in	place	(endoti	racheal tube,	o No		o Yes	
tracheosto	my or sup	ragl	ottic a	irway) '	k				
6.5. How w	as it asses	sed	that t	his pati	ent should red	ceive a vasc	pressor infus	ion? *	
		- ^	laaa al						.l : <b>f</b> :
			-		-		n and attempt	s to lower t	ne infusion
		rati	e proa	ucea ur	nacceptable h	ypotension	, OR		
		- I+		امماما	+1	مالمانيمينيامانم		fit fue as for	+1
					•		o longer bene		
			•			•	hrough admir		
		anc	ı ine b				low. This was		
		(vital signs-ex							
							measuremer	•	
						ig cardiac o	utput monito	ring (or som	ie direct
					gate of)	AND -			
							measuremer	it of preidat	J
				•	nsiveness usin	•	<u> </u>	tablishad m	avinauna
							previously es		
				0 E. ot		Tation nas i	been met i.e.	ZL OI ZUIIII/	kg ett
				0 E. 01	ner:				
7.1. SOFA sc	oro			/1.100 5	10 as magnina	٠ الـ			
within 24 ho					AQ as require	=			
after surgery					culate SOFA s		11 /6054		
		,					ity/SOFA.aspx		
7.2 - 7.8 M	AP target	(con	nplete	only if	MAP is specif	ied)			
	Day 0	)	Da	ау 1	Day 2	Day 3	Day 4	Day 5	Day 6
MAP									
			•		or each day ( <u>r</u>				
On Postope					blank if not a	vailable.			T
	Day 0	1	Da	ay 1	Day 2	Day 3	Day 4	Day 5	Day 6
Systolic									
Diastolic									
7.18 – 7.24	LOWEST	bloc	d pre	ssure di	uring the day	(paired)			•
			•		blank if not a				
	Day 0			ay 1	Day 2	Day 3	Day 4	Day 5	Day 6
Cuctolia				-		·	-	•	,
Systolic									
Diastolic									





Patient ID:	ı	ı	ı	I _ I	1 !	1	ı	I _ I	1	ı	ı	Sex: Male / Fema	عاد
Patient ID:	l	l	l .	I - I	1 !	l .	l	-		l	l	j Sex. Male / Fema	пe

7.25 Please Indicate which vasoactive drug infusion the patient is receiving and the maximum dose

7.25.0 Was patient on a PVI on day 0		o No o Yes
Noradrenaline		o mg/hr
	Maximum dose	o mcg/kg/min
		o ml/hr
	Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml o 32mg/100ml
Angiotensin II	Maximum dose	o ng/kg/min
Dobutamine	Naviga um da ca	o mcg/kg/min
	Maximum dose	o ml/hr
	Only for ml/hr: Please select the drug concentration	o Neat o 250mg/50ml o 500mg/100ml
Dopamine	Maximum dose	o mcg/kg/min
		o ml/hr
	Only for ml/hr: Please select the drug concentration	o 200mg/50ml o 400mg/50ml
Epinephrine (Adrenaline)		o mcg/kg/min
(Adrenanne)	Maximum dose	o mg/hr
		o ml/hr
	Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml o 32mg/100ml





Maximum dose  Only for ml/hr: Please select the drug concentration	o mg/hr o ml/hr o 10mg/20ml o 20mg/40ml	
Only for ml/hr: Please select the drug	0 10mg/20ml	
Please select the drug	_	
	o 20mg/40ml	
concentration		
	o 25mg/50ml	
Maying up daga	o ng/kg/min	
iviaximum dose	o ml/hr	
Only for ml/hr: Please select the drug concentration	○ 10mg/50ml	
Maximum dose	o mg/hr	
	o ml/hr	
Only for ml/hr: Please select the drug concentration	o 10mg/50ml o 50mg/500ml	
Navinavna da sa	o mcg/kg/min	
iviaximum dose	o ml/hr	
Only for ml/hr:	0 1mg/50ml	
Please select the drug	o 2mg/50ml	
concentration	o 2mg/40ml	
Maximum dosa	o units/hr	
iviaxiiiiuiii uose	o ml/hr	
Only for ml/hr:	o 20unite/E0ml	
Please select the drug	<u> </u>	
concentration	0 2011ig/ 1001111	
	o No	
PVI on day 1	o Yes	
	o mg/hr	
Maximum dose	o mcg/kg/min	
	o ml/hr	
Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml	
	Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  PVI on day 1  Maximum dose  Only for ml/hr: Please select the drug concentration	Maximum dose  Only for ml/hr: Please select the drug concentration  Maximum dose  Omg/hr  Only for ml/hr: Please select the drug concentration  Ounits/hr  Only for ml/hr: Please select the drug concentration  Ounits/hr  Oml/hr  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Only





Patient ID:  _	_ _ _ -  _ - _	_ _	Sex: Male / Female			
Angiotensin II	Maximum dose	o ng/kg/min				
7 tilgioterisiii ii	iviaximum dose	o ng/kg/min				
Dobutamine						
Dobutamine	Maximum dose	o mcg/kg/min				
		0 ml/hr				
	Only for ml/hr:	o Neat				
	Please select the drug concentration	o 250mg/50ml o 500mg/100ml				
		g a complete a comment				
Dopamine		o mcg/kg/min				
	Maximum dose	o ml/hr				
	Only for ml/hr:	<u> </u>				
	Please select the drug	o 200mg/50ml o 400mg/50ml				
	concentration	O 400mg/50mi				
Epinephrine		o mcg/kg/min				
(Adrenaline)	Maximum dose	o mg/hr				
		o ml/hr				
		o 2mg/50ml				
		o 4mg/50ml				
	Only for ml/hr:	0 8mg/50ml 0 16mg/50ml				
	Please select the drug	o 32mg/50ml				
	concentration	o 8mg/100ml				
		o 16mg/100ml				
		o 32mg/100ml				
Metaraminol		T ,				
ivietarammoi	Maximum dose	0 mg/hr				
		o ml/hr				
	Only for ml/hr:	0 10mg/20ml				
	Please select the drug concentration	○ 20mg/40ml ○ 25mg/50ml				
Milrinone		o ng/kg/min				
	Maximum dose	o ml/hr				
	Only for ml/hr:					
	Please select the drug	o 10mg/50ml				
	concentration					
Phenylephrine	Maximum dose	o mg/hr				
		o ml/hr				
	Only for ml/hr:	o 10mg/50ml				
	Only for militin.	o 50mg/500ml				





Patient ID:	<u>  _ - _ </u>		Sex: Male / Female
	Please select the drug		
	concentration		
Terlipressin	Maximum daga	o mcg/kg/min	
	Maximum dose	o ml/hr	
	Only for ml/hr:	0 1mg/50ml	
	Please select the drug	o 2mg/50ml	
	concentration	o 2mg/40ml	
	_	T	
Vasopressin	Maximum dose	o units/hr	
	iviaximum dose	o ml/hr	
	Only for ml/hr:	o 20units/50ml	
	Please select the drug	o 20mg/100ml	
	concentration	<u> </u>	
7.25.2			
Was patient on a	PVI on day 2	o No	
-	1	o Yes	
Noradrenaline		o mg/hr	
	Maximum dose	o mcg/kg/min	
		o ml/hr	
		o 2mg/50ml o 4mg/50ml	
	Only for ml/hr	o 8mg/50ml	
	Only for ml/hr: Please select the drug	o 16mg/50ml	
	concentration	o 32mg/50ml	
		0 8mg/100ml 0 16mg/100ml	
		o 32mg/100ml	
		328, 233	
Angiotensin II	NA suite sure de se	0 /l /i-	
Augioterisiirii	Maximum dose	o ng/kg/min	
Dobutamine	Maximum dose	o mcg/kg/min	
	Iviaxiiiiuiii uose	o ml/hr	
	Only for ml/hr:	o Neat	
	Please select the drug	o 250mg/50ml	
	concentration	o 500mg/100ml	
Dopamine		o meg/kg/ssis	
2000000000	Maximum dose	o mcg/kg/min	
	0 1 6 1" -:	o ml/hr	
	Only for ml/hr: Please select the drug	o 200mg/50ml	
	concentration	o 400mg/50ml	
		L	





Patient ID:	<u>  _ - _  - </u>		Sex: Male / Female
Epinephrine		o mcg/kg/min	
(Adrenaline)	Maximum dose	o mg/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml	
		o 32mg/100ml	
		l .	_
Metaraminol	Maximum dose	o mg/hr	
	Waximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/20ml o 20mg/40ml o 25mg/50ml	
Milrinone	Maximum daga	o ng/kg/min	
	Maximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/50ml	
Phenylephrine	Maximum dose	o mg/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/50ml o 50mg/500ml	
Terlipressin	Maximum dose	o mcg/kg/min	
	iviaxiiiiuiii uuse	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 1mg/50ml o 2mg/50ml o 2mg/40ml	
Vasopressin	N. A. a. viene viene el en el	o units/hr	
	Maximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 20units/50ml o 20mg/100ml	
7.25.3		o No	
Was patient on a	PVI on day 3	o Yes	





Maximum dose	Patient ID:	<u>  _ - _  _ - </u>		Sex: Male / Female
Only for ml/hr: Please select the drug concentration	Noradrenaline		o mg/hr	
Only for m//hr: Please select the drug concentration		Maximum dose	o mcg/kg/min	
Only for ml/hr: Please select the drug concentration				
Only for ml/hr: Please select the drug concentration			Omym	
Only for mi/hr: Please select the drug concentration			o 4mg/50ml	
Concentration    O 32mg/100ml   O 16mg/100ml   O 16mg/100ml     O 16mg/100ml   O 16mg/100ml     O 16mg/100ml		-		
Angiotensin II Maximum dose ong/kg/min  Dobutamine Maximum dose omcg/kg/min  Only for ml/hr: Please select the drug concentration  Dopamine Maximum dose  Maximum dose  Maximum dose  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Maximum dose  Only for ml/hr: Please select the drug concentration  Employment on ml/hr  Only for ml/hr: Please select the drug concentration  Maximum dose  Maximum dose  Maximum dose  Only for ml/hr: Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  Maximum dose  Maximum dose  Maximum dose  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug conml/hr  Only for ml/hr: Please select the drug conml/hr  Only for ml/hr: Please select the drug conml/hr  Only for ml/hr: Please conml/hr  Only for ml/hr: Please select the drug conml/hr  Only for ml/hr: Please conml/hr  Only for ml/hr  Only for ml/hr: Please conml/hr  Only for ml/hr  Only for ml/hr: Please conml/hr  Only for ml/hr  Only for ml/hr: Please conml/hr  Only for ml/hr  Only for ml/hr  Only for ml/hr  Only for ml/hr: Please conml/hr  Only for ml/hr  Only for ml/hr  Only for ml			_	
Angiotensin II Maximum dose o ng/kg/min  Dobutamine Maximum dose o mcg/kg/min o ml/hr  Only for ml/hr: Please select the drug concentration o ml/hr  Only for ml/hr: Please select the drug concentration o mg/kg/min o ml/hr  Only for ml/hr: Please select the drug oncentration o mg/kg/min o ml/hr  Only for ml/hr: Please select the drug oncentration o mg/hr  Only for ml/hr: Please select the drug oncentration o mg/hr  Only for ml/hr: Please select the drug oncentration o mg/hr  Only for ml/hr: Please select the drug ong/foml o mg/hr  Only for ml/hr: Please select the drug oncentration o mg/hr  Only for ml/hr: Please select the drug oncentration o mg/hr  Only for ml/hr: Please select the drug ong/foml o mg/hr  Only for ml/hr: Please select the drug o nul/hr  Only for ml/hr: Please o nul/hr			_	
Dobutamine  Maximum dose  O mcg/kg/min Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Metaraminol  Maximum dose  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug				
Dobutamine  Maximum dose  O mcg/kg/min Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Maximum dose  Only for ml/hr: Please select the drug select the				
Dobutamine  Maximum dose  O mcg/kg/min Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Maximum dose  Only for ml/hr: Please select the drug select the	Anniatanain II	T	T	
Maximum dose Only for ml/hr: Please select the drug concentration  Dopamine  Maximum dose  Omcg/kg/min Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Omcg/kg/min Oml/hr Only for ml/hr: Please select the drug concentration  Omcg/kg/min Omg/soml Omg/soml Omg/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Only for ml/hr: Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Maximum dose  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration	Angiotensin ii	Maximum dose	o ng/kg/min	
Maximum dose Only for ml/hr: Please select the drug concentration  Dopamine  Maximum dose  Omcg/kg/min Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Omcg/kg/min Oml/hr Only for ml/hr: Please select the drug concentration  Omcg/kg/min Omg/soml Omg/soml Omg/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Oml/hr Only for ml/hr: Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Maximum dose  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration  Omg/hr Only for ml/hr: Please select the drug concentration		1	I	
Only for ml/hr: Please select the drug concentration  Dopamine  Maximum dose  Oncg/kg/min Only for ml/hr: Please select the drug concentration  Dopamine  Maximum dose  Oncg/kg/min Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Metaraminol  Moximum dose  Only for ml/hr: Please select the drug concentration	Dobutamine	Maximum dose	o mcg/kg/min	
Select the drug concentration 0 250mg/50ml 0 500mg/100ml  Dopamine		Waxiiiiaiii aose	o ml/hr	
Dopamine  Maximum dose  O mcg/kg/min Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Oneg/kg/min Ong/forml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Metaraminol  Metaraminol  Maximum dose  Maximum dose  Omg/hr Osmg/Soml Osmg/Soml Osmg/Soml Osmg/Soml Osmg/100ml		-		
Dopamine  Maximum dose  Oncg/kg/min onl/hr  Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Metaraminol  Metaraminol  Maximum dose  Ong/hr Ong/soml		_	_	
Maximum dose  Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Omcg/kg/min  Omg/hr  Oml/hr  Oml/hr  Oml/hr  Omly for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Metaraminol  Metaraminol  Maximum dose  Omg/hr  Omg/hr  Omg/noml Omg/100ml			,	
Maximum dose  Oml/hr  Only for ml/hr: Please select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Omg/kg/min Omg/hr Oml/hr Oml/hr Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Metaraminol  Metaraminol  Maximum dose  Omg/hr Omg/soml	Dopamine		o mcg/kg/min	
select the drug concentration  Epinephrine (Adrenaline)  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Maximum dose  Only for ml/hr: Please select the drug concentration  Maximum dose  Maximum dose  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug		Maximum dose		
Epinephrine (Adrenaline)  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Maximum dose  Only for ml/hr: Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  Maximum dose  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug  Onlomg/50ml  Onlomg/soml  Onlomg/soml  Onlomg/soml  Onlomg/soml  Onlomg/soml  Onlomg/soml  Onlomg/soml  Onlomg/soml		Only for ml/hr: Please	0.200mg/50ml	I
Epinephrine (Adrenaline)  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Maximum dose  Only for ml/hr: Please select the drug concentration  Metaraminol  Moximum dose  Moximum dose  Oncg/kg/min Ong/hr Ong/hr Ong/hr Ong/soml Ong/soml Ong/soml Ong/soml Ong/soml Ong/soml Ong/soml Ong/nr Ong/hr Ong/hr Only for ml/hr: Please select the drug Only for ml/hr: Please select the drug Ong/40ml				
(Adrenaline)         Maximum dose         o mg/hr           0 ml/hr         0 mg/fr           0 ml/hr         0 2mg/50ml           0 4mg/50ml         0 8mg/50ml           0 16mg/50ml         0 32mg/50ml           0 8mg/100ml         0 8mg/100ml           0 16mg/100ml         0 16mg/100ml           0 16mg/100ml         0 0 mg/hr           0 ml/hr         0 ml/hr           Only for ml/hr: Please select the drug         0 10mg/20ml           0 20mg/40ml         0 20mg/40ml		concentration		
(Adrenaline)         Maximum dose         o mg/hr           0 ml/hr         0 mg/fr           0 ml/hr         0 2mg/50ml           0 4mg/50ml         0 8mg/50ml           0 16mg/50ml         0 32mg/50ml           0 8mg/100ml         0 8mg/100ml           0 16mg/100ml         0 16mg/100ml           0 16mg/100ml         0 0 mg/hr           0 ml/hr         0 ml/hr           Only for ml/hr: Please select the drug         0 10mg/20ml           0 20mg/40ml         0 20mg/40ml	Eninenhrine		0 (1 /	
Only for ml/hr: Please select the drug concentration	T			
Only for ml/hr: Please select the drug concentration  Metaraminol  Metaraminol  Motaraminol  Omg/100ml  Omg/hr  Oml/hr		Maximum dose	_	
Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Metaraminol  Maximum dose  Only for ml/hr: Please select the drug				
Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug concentration  Only for ml/hr: Please select the drug				
Select the drug		Only for ml/br: Place		
Concentration				
O 16mg/100ml   O 32mg/100ml				
Metaraminol  Maximum dose  o mg/hr  o ml/hr  Only for ml/hr: Please select the drug  o 20mg/40ml			<u> </u>	
Maximum dose  O ml/hr  Only for ml/hr: Please select the drug 0 20mg/40ml				
Maximum dose  O ml/hr  Only for ml/hr: Please select the drug 0 20mg/40ml				
Only for ml/hr: Please o 10mg/20ml select the drug o 20mg/40ml	Metaraminol	Maximum dosa	o mg/hr	
select the drug 0 20mg/40ml		iviaxiiiiuiii uuse	o ml/hr	
		-		
		select the drug concentration	o 20mg/40ml o 25mg/50ml	





Patient ID:	<u> _ - - - - - -</u>	_	Sex: Male / Female
Milrinone		o ng/kg/min	
	Maximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/50ml	<u>I</u>
Phenylephrine	Maximum dose	o mg/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/50ml o 50mg/500ml	
Terlipressin		o mcg/kg/min	
	Maximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 1mg/50ml o 2mg/50ml o 2mg/40ml	<u>,                                    </u>
Vasopressin		o units/hr	
	Maximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 20units/50ml o 20mg/100ml	
		1	
7.25.4 Was patient on a	a PVI on day 4	o No o Yes	
Noradrenaline		o mg/hr	
	Maximum dose	o mcg/kg/min	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml o 32mg/100ml	
Angiotensin II	Maximum dose	o ng/kg/min	
Dobutamine	Maximum dose	o mcg/kg/min	





Patient ID:	<u> _ _ - - </u>	<u>  _</u>	Sex: Male / Female
		o ml/hr	
	Only for ml/hr: Please	o Neat	
	select the drug	o 250mg/50ml	
	concentration	o 500mg/100ml	
Dopamine	Maximum dose	o mcg/kg/min	
	Widxiiiidiii dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 200mg/50ml o 400mg/50ml	
Epinephrine		o mcg/kg/min	
(Adrenaline)	Maximum dose	o mg/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml o 32mg/100ml	
		- <b>G</b> ,	
Metaraminol		o mg/hr	
	Maximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/20ml o 20mg/40ml o 25mg/50ml	
Milrinone	Maximum dose	o ng/kg/min	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/50ml	
Phenylephrine	Maximum dose	o mg/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/50ml o 50mg/500ml	<b>1</b>
Terlipressin		o mcg/kg/min	
	Maximum dose	o ml/hr	





Patient ID:	<u>   <sup>-</sup>    </u>		Sex: Male / Female
	Only for ml/hr: Please	o 1mg/50ml	
	select the drug	o 2mg/50ml	
	concentration	o 2mg/40ml	
		<u> </u>	
Vasopressin		o units/hr	
·	Maximum dose	o ml/hr	
	0 1 6 1/1 21	Omini	
	Only for ml/hr: Please select the drug concentration	o 20units/50ml o 20mg/100ml	
7 25 5		o No	
7.25.5 Was patient on a PVI on day 5		o Yes	
Noradrenaline	T VI OII day 5		
Noraurenanne		o mg/hr	
	Maximum dose	o mcg/kg/min	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml o 32mg/100ml	
Angiotensin II	Maximum dose	o ng/kg/min	
Dobutamine	Maximum dose	o mcg/kg/min	
		o ml/hr	
		·	
	Only for ml/hr: Please	o Neat	
	select the drug	0 250mg/50ml	
	concentration	o 500mg/100ml	
Dopamine		- "	
Dopamine	Maximum dose	o mcg/kg/min	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 200mg/50ml o 400mg/50ml	
Epinephrine (Adrenaline)	Maximum dose	o mcg/kg/min	
		o mg/hr	
		o ml/hr	





Patient ID:	<u>  _                                 </u>		Sex: Male / Female
	Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml o 32mg/100ml	
Metaraminol	Maximum dose	o mg/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/20ml o 20mg/40ml o 25mg/50ml	
		<u> </u>	
Milrinone		o ng/kg/min	
	Maximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/50ml	
Phenylephrine	Maximum dose	o mg/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/50ml o 50mg/500ml	
Terlipressin	Maximum dose	o mcg/kg/min	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 1mg/50ml o 2mg/50ml o 2mg/40ml	
Vasopressin	Maximum dose	o units/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 20units/50ml o 20mg/100ml	
7.25.6		o No	
Was patient on a PVI on day 6		o Yes	
Noradrenaline		o mg/hr	
	Maximum dose	o mcg/kg/min	
		o ml/hr	





Patient ID:  _			Sex: Male / Female
	Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml o 32mg/100ml	
Angiotopsin II	T	11. 1.	
Angiotensin II	Maximum dose	o ng/kg/min	
		1	
Dobutamine	Maximum dose	o mcg/kg/min	
	Wiaximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	<ul><li>Neat</li><li>250mg/50ml</li><li>500mg/100ml</li></ul>	
		<u> </u>	
Dopamine		o mcg/kg/min	
	Maximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 200mg/50ml o 400mg/50ml	
Epinephrine		o mcg/kg/min	
(Adrenaline)	Maximum dose	o mg/hr	
	Widamin dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 2mg/50ml o 4mg/50ml o 8mg/50ml o 16mg/50ml o 32mg/50ml o 8mg/100ml o 16mg/100ml o 32mg/100ml	
Metaraminol	Maximore dasa	o mg/hr	
	Maximum dose	o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 10mg/20ml o 20mg/40ml o 25mg/50ml	
Milrinone	Maximum dose	o ng/kg/min	
		o ml/hr	





Patient ID:	_ -	II	Sex: Male / Female
	Only for ml/hr: Please select the drug concentration	o 10mg/50ml	
Phenylephrine	Maximum dose	o mg/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	0 10mg/50ml 0 50mg/500ml	
Terlipressin	Maximum dose	o mcg/kg/min	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 1mg/50ml o 2mg/50ml o 2mg/40ml	
Vasopressin	Maximum dose	o units/hr	
		o ml/hr	
	Only for ml/hr: Please select the drug concentration	o 20units/50ml o 20mg/100ml	
Total number of o	days: *		
7.35. receipt of ve	entilation (invasive or NIV	)	
7.36. receipt of va	asopressor infusion		
	arenteral nutrition		
7.38. receipt of re	enal replacement therapy		
7.39. duration of	stay in ICU/postoperative	unit	
COVID		I	



7.40. Did the patient

have any testing for

7.40.1. **If Yes -** did the patient test

positive in the perioperative

SARS-CoV2? \*

period?

o No

o No



o Yes

If yes, answer below

o Yes

O Unknown

ratient iD:   _ - -  -  - -  -			36	ex: Male / Female	
CRF3 Atrial Fibrillation					
Within the first 4 hours of onset of AF					
8.1 Was the heart rate >110 bpm	o No		o Yes		
8.2 DC cardioversion	0 No		o Yes		
8.3 Amiodarone	o No		o Yes		
8.4 Beta antagonist	o No		o Yes		
8.5 Calcium channel antagonist	o No		o Yes		
8.6 Digoxin	o No		o Yes		
8.7 Magnesium supplementation	o No		o Yes		
8.8 Potassium supplementation	_		o Yes		
8.9 Fluid bolus	0 No		o Yes		
Between 4 and 24 hours of onset of AF	o No o Yes				
8.10 What additional treatment was received? [Tick all	Calcium channel blockers				
that apply]	☐ Calcium channel blockers ☐ ß-blockers (not sotalol)				
that apply]		(1101 301	.aioij		
	☐ Digoxin ☐ Amiodarone				
	□ Sotalol				
	☐ Propafeno	20			
	☐ Flecainide	10			
	☐ Potassium				
		<u> </u>			
	☐ Magnesium ☐ Other				
□ None  Between 24 and 48h after onset of AF were any of the following true:					
8.11 INR >1.5	o No	o Yes		o not available	
8.12 APTT >40s (or 1.2x the upper limit of normal)	0 No	o Yes		o not available	
8.13 Fibrinogen <1g/L	o No o Yes			o not available	
8.14 Platelet count <70 x109/L	o No o Yes		o not available		
8.15 ALT >3 times upper limit normal range	o No o Yes		o not available		
8.16 Creatinine >100 μmol/L in women or >130 μmol/L in	o No o Yes		o not available		
men or eGFR <50	ONO	0 163		O HOC available	
8.17 Prophylactic dose LMWH	o No		o Yes		
8.18 Treatment dose LMWH	0 No		o Yes		
8.19 Unfractionated heparin	o No		o Yes		
8.20 Warfarin	0 No		o Yes		
8.21 NOAC or DOAC	o No		o Yes e.g. apixaban,		
0.21 NOAC 01 DOAC	0 140			xaban,	
			edoxaban, etc		
At 48h after onset of AF			Cuone		
8.22 Rhythm	o Sinus	o AF		o Other	
8.23 Is heart rate >110 bpm	o No o Yes				
8.24 Ongoing antiarrhythmic therapy for new AF? [Tick all	☐ Calcium ch	annel b	lockers		
that apply]	calciam cir		ockers		
,.	☐ ß-blockers (not sotalol)				
	☐ Digoxin				
☐ Amiodarone					
	□ Sotalol				
	☐ Propafenone				
	☐ Flecainide				
	☐ Potassium				
	☐ Magnesium				
	☐ Other				
	□ None				



