

## 20.1 Appendix 1 &amp; 3 Patient Data Collection form

Local Reference Number: .....

Inclusion: ≥65 yrs old, general &amp;/or regional anaesthesia Exclusion: cardiopulmonary bypass, sedation only, X-ray

1	Patient	Gender	Female <input type="checkbox"/>	Male <input type="checkbox"/>						
		Age	65-69 <input type="checkbox"/>	70-74 <input type="checkbox"/>	75-79 <input type="checkbox"/>	80-84 <input type="checkbox"/>	85-89 <input type="checkbox"/>			
		Comorbidities	Cerebrovascular Disease <input type="checkbox"/>	Chronic Kidney Disease <input type="checkbox"/>						
			Diabetes <input type="checkbox"/>	Heart Failure <input type="checkbox"/>					Hypertension <input type="checkbox"/>	
			Ischaemic Heart Disease <input type="checkbox"/>	Peripheral Vascular. Disease <input type="checkbox"/>					None <input type="checkbox"/>	
		Anti-hypertensive Medications	ACE Inhibitor/ Angiotensin 2 Receptor Antagonist <input type="checkbox"/>					Beta Blocker <input type="checkbox"/>		
ASA score	Calcium Channel Blocker <input type="checkbox"/>					Diuretic <input type="checkbox"/>				
		Vasodilator infusion e.g. GTN <input type="checkbox"/>					Not taking these medications <input type="checkbox"/>			
		1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> Not recorded <input type="checkbox"/>								
2	Surgery	NCEPOD Urgency	Immediate <input type="checkbox"/>	Urgent <input type="checkbox"/>	Expedited <input type="checkbox"/>	Elective <input type="checkbox"/>				
		Surgical speciality	Cardiac <input type="checkbox"/>	ENT/ Head & Neck <input type="checkbox"/>			General Surgery <input type="checkbox"/>			
			Gynaecology <input type="checkbox"/>	Ophthalmology <input type="checkbox"/>			Orthopaedics <input type="checkbox"/>			
			Other <input type="checkbox"/> (detail.....)	Neurosurgery			Plastics <input type="checkbox"/> Spinal <input type="checkbox"/>			
			Thoracic <input type="checkbox"/>	Trauma <input type="checkbox"/>			Urology <input type="checkbox"/> Vascular <input type="checkbox"/>			
		Operative severity	Minor <input type="checkbox"/>	Intermediate <input type="checkbox"/>			Major <input type="checkbox"/> Major + <input type="checkbox"/>			
Cancer surgery	Yes <input type="checkbox"/>	No <input type="checkbox"/>								
		Surgeon might request hypotension? Yes <input type="checkbox"/> No <input type="checkbox"/> e.g. middle ear surgery etc								
3	Anaesthesia	Seniority	Consultant <input type="checkbox"/>	SAS <input type="checkbox"/>	ST5-7 <input type="checkbox"/>	ST3-4 <input type="checkbox"/>	CT 1-2 <input type="checkbox"/>	PA(A) <input type="checkbox"/>		
		Number	NB. This is not being collected to identify individuals, instead to identify how many anaesthetists practice the data represents.							
		Induction	Intravenous <input type="checkbox"/>				Inhalational <input type="checkbox"/>			
		Maintenance	Intravenous <input type="checkbox"/>				Inhalational <input type="checkbox"/>			
		Regional block	Yes <input type="checkbox"/> No <input type="checkbox"/>	Upper limb <input type="checkbox"/>		Lower limb <input type="checkbox"/>		Trunk <input type="checkbox"/>		
				Plexus <input type="checkbox"/>		Single nerve <input type="checkbox"/>		Field block <input type="checkbox"/>		
		Neuraxial: Spinal <input type="checkbox"/>		Epidural <input type="checkbox"/>		CSE <input type="checkbox"/>				
4	Blood Pressure	Data source	Paper anaesthetic chart <input type="checkbox"/>				Electronic record print out/ monitor <input type="checkbox"/>			
		Intra-operative monitoring	Non-invasive <input type="checkbox"/>				Invasive <input type="checkbox"/>			
		Pre-operative BP Source	Systolic (mmHg)..... Diastolic (mmHg) .....							
			Pre-op clinic <input type="checkbox"/> Referral/ GP letter <input type="checkbox"/> Patient notes/ obs chart <input type="checkbox"/> Pt reported <input type="checkbox"/>							
		Pre-induction BP	Systolic (mmHg) ..... Diastolic (mmHg) .....				Not recorded <input type="checkbox"/>			
		Lowest intra-op BP & duration	Systolic (mmHg) ..... Diastolic (mmHg) .....				Duration .....mins			
		Hypotension Timing	First 30mins after induction <input type="checkbox"/> Middle <input type="checkbox"/> Last 30mins of op <input type="checkbox"/>							
		Duration of systolic hypotension	20.0 – 40.0% of pre-induction value .....				mins			
		>40.1% of pre-induction value .....				mins				
		..... mins (time in mins from first to last recording on anaesthetic chart)								
5	Vasopressor use	On vasopressor infusion pre-op?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Number of agents: .....					
		Vasopressor total dose used intraoperatively	Metaraminol .....	Phenylephrine .....			Ephedrine .....			
			Adrenaline .....	Noradrenaline .....			Other .....			
		Vasopressors given as infusion intra-op?	Drug: ..... Min. rate .....mls/hr				Max. rate .....mls/hr			
			Duration of infusion: .....				Continued in recovery? Yes <input type="checkbox"/> No <input type="checkbox"/>			
		BP value immediately preceding vasopressor use	Episode	1	2	3	4	5		
SBP										
DBP										
6	How many surgical procedures took place on the day of data collection? Total: ..... >65 years old.....									

## 30 Day Outcome data

<b>Mortality</b>	Alive	<input type="text"/>	Dead	<input type="text"/>
	If died, number of days between surgery and death: ..... (day of surgery = day 0)			
<b>Renal injury</b>	Pre-operative creatinine value closest to surgery ( $\mu\text{mol/L}$ )	<input type="text"/>		
	Highest post-op creatinine value within 7 days of surgery ( $\mu\text{mol/L}$ )	<input type="text"/>		
<b>Myocardial injury</b>	Rise in cardiac enzyme concentration within 7 days of surgery that is above the reference range for your trust?	<input type="text" value="Yes"/>		
		<input type="text" value="No"/>		
	No cardiac enzyme test performed (tick if applies).	<input type="text"/>		
<b>Stroke</b>	CT reported ischaemic stroke within 7 days of surgery	<input type="text" value="Yes"/>		
		<input type="text" value="No"/>		
	No CT brain performed (tick if applies).	<input type="text"/>		