

Section Comorbidities

Patient comorbidities and preoperative factors

1

Grouping (Pick One)

- Myocardial
- Vascular
- Pulmonary
- Neurologic
- Endocrine
- Renal
- Liver
- Gastrointestinal
- Cancer/immune
- Miscellaneous

2

Comorbidity (Pick One)

- Angina
- Arrhythmia
- Valvular disease
- Myocardial infarction
- Congestive cardiac failure
- Permanent pacemaker
- Cardiac resynchronisation device
- Grown-up congenital heart disease (GUCH)
- Hypertension (systemic)
- Peripheral vascular disease
- Cerebrovascular disease
- Mild disease
- Moderate disease
- Severe disease
- Other neurological disease
- Dementia
- Diabetes
- Other endocrine disease
- CKD 3 (eGFR 30-59)
- CKD 4 (eGFR 15-29)
- CKD 5 (eGFR <15 or dialysis-dependent)
- Mild disease
- Moderate disease
- Severe disease
- Gastrointestinal bleeding
- Inflammatory bowel disease
- Peptic ulcer disease
- Tumour (within last 5 years)
- Lymphoma (any type)
- Leukaemia (any type)
- AIDS
- Metastatic cancer
- Rheumatological disease
- Coagulopathy (including anticoagulation)

3

Sub type (Pick One)

- CCS I
- CCS II
- CCS III
- CCS IV
- Atrial fibrillation
- Long QT syndrome
- Other
- Severe aortic stenosis
- Other
- NYHA I
- NYHA II
- NYHA III
- NYHA IV
- Hemiplegia - Yes
- Hemiplegia - No

- Type 1
- Type 2 (Diet controlled)
- Type 2 (Non-insulin medication)
- Type 2 (Insulin)

End-organ damage (Pick One)

- Yes
- No

4

Known before or discovered after cardiac arrest? (Pick One)

- Before
- After

Section 02

Patient Demographics

2.1

Age (years) (Pick One)

- Neonate (<28 days after delivery)
- 28 days - <1
- 1-5
- 6-15
- 16-18
- 19-25
- 26-35
- 36-45
- 46-55
- 56-65
- 66-75
- 76-85
- >85

If less than one year (Pick One)

- Born at term
- Extremely preterm (less than 28 weeks)
- Very preterm (28 to 31 weeks)
- Moderate to late preterm (32 to 37 weeks)

2.2

Sex at birth (Pick One)

- Male
- Female
- Indeterminate
- Unknown

2.3

ASA (Pick One)

- 1
- 2
- 3
- 4
- 5

2.4

Ethnicity (Pick One)

- British (White)
- Irish (White)
- Any other White background
- White and Black Caribbean (Mixed)
- White and Black African (Mixed)
- White and Asian (Mixed)
- Any other Mixed background
- Indian (Asian or Asian British)
- Pakistani (Asian or Asian British)
- Bangladeshi (Asian or Asian British)
- Any other Asian background
- Caribbean (Black or Black British)
- African (Black or Black British)
- Any other Black Background
- Chinese (Other ethnic group)
- Any other ethnic group
- Not stated
- Not known

2.5

Did the patient have a do not attempt cardiopulmonary resuscitation (DNACPR) decision? (Pick One)

- No
- Yes - active at time of arrest

- Yes - formal temporary suspension
- Yes - unknown whether suspended
- Unknown

2.6

Treatment limitations in place at time of cardiac arrest (e.g. ReSPECT, Treatment Escalation Plan) (Pick One)

- Yes
- No
- Unknown

Please Specify

2.7

BMI (kg m⁻²) (Pick One)

- <18.5 - underweight
- 18.5-24.9 - normal
- 25.0-29.9 - overweight
- 30.0-34.9 - obese 1
- 35.0-39.9 - obese 2
- 40.0-49.9 - obese 3
- 50.0-59.9
- >=60
- Unknown

2.8

Please enter patient's weight (kg)

2.9

Please include a brief narrative description of the case - there must be no dates included, nor any identifiable patient, clinician or hospital location information

Patient comorbidities and preoperative factors

2.10

For each, please indicate if this was known by the anaesthetic team before cardiac arrest or discovered after cardiac arrest.

Please Fill in: **Section Comorbidities**

Multiple copies may be included.

2.11

Was the patient pregnant at the start of the procedure? (Pick One)

- Not pregnant or not known to be pregnant
- Currently pregnant
- Recently pregnant

2.12

Trimester (Pick One)

- First (Weeks 1 - 12)
- Second (Weeks 13 - 27)
- Third (Weeks 28+)

Hypertensive disorders
(True / False)

Peripartum cardiomyopathy
(True / False)

Gestational diabetes
(True / False)

Other obstetric comorbidity not listed above
(True / False)

2.13
Please select any paediatric-specific comorbidities
Congenital structural cardiac disease
(True / False)

Congenital arrhythmic cardiac disease (Long QT etc)
(True / False)

Pulmonary hypertension
(True / False)

Cardiomyopathy
(True / False)

Myocarditis
(True / False)

Any congenital syndrome
(True / False)

Renal impairment
(True / False)

Liver impairment
(True / False)

Metabolic disease
(True / False)

Endocrine disease
(True / False)

Immunosuppression
(True / False)

Necrotising enterocolitis
(True / False)

Neuromuscular disease
(True / False)

Oncological diagnosis
(True / False)

None
(True / False)

Patient COVID-19 status

2.14

Please indicate the patient's SARS-CoV-2/COVID-19 infection status (Pick One)

Covid positive (including PCR negative but clinically positive) - identified pre-operatively

Covid positive - identified post-operatively

Covid negative and treated as such throughout in-patient stay

Unknown

If the patient had current COVID-19 infection at the time of initial anaesthetic contact, what was the patient's COVID-related clinical condition at that time? (Pick One)

Not hospitalised, no limitations of activities

Not hospitalised, limitation of activities, home oxygen requirement, or both

Hospitalised, not requiring supplemental oxygen and no longer requiring ongoing medical care (used if hospitalisation was extended for infection-control reasons)

Hospitalised, not requiring supplemental oxygen but requiring ongoing medical care (COVID-19-related or other medical conditions)

Hospitalised, requiring any supplemental oxygen

Hospitalised, requiring non-invasive ventilation or use of high-flow oxygen devices

Hospitalised, receiving invasive mechanical ventilation or extracorporeal membrane oxygenation (ECMO)

Unknown

Pre-existing regular medications

2.15

Please select categories of pre-existing regular medications

Anticoagulation

(True / False)

Antihypertensive

(True / False)

Diabetic medicine

(True / False)

Bronchodilator

(True / False)

Steroid

(True / False)

Immunosuppressant

(True / False)

Antiarrhythmic

(True / False)

Antiplatelet

(True / False)

Strong opioid

(True / False)

Diuretic

(True / False)

Antianginal

(True / False)

Other heart failure drug

(True / False)

Parkinsons disease drug

(True / False)

Beta blocker

(True / False)

Antidepressant

(True / False)

Antipsychotic
(True / False)

Lithium
(True / False)

Pulmonary vasodilator
(True / False)

Anticonvulsants/antiepileptic
(True / False)

Other relevant pre-operative drugs
(True / False)

None
(True / False)

Please specify

ACE inhibitor/ARB
(True / False)

Calcium channel blocker
(True / False)

Other Antihypertensive
(True / False)

Insulin
(True / False)

Oral
(True / False)

Beta blocker
(True / False)

Calcium channel blocker
(True / False)

Amiodarone
(True / False)

Digoxin
(True / False)

Other Antiarrhythmic
(True / False)

2.16

Did the perioperative management of these medications contribute to the cardiac arrest? (Pick One)

Yes

No

Please specify
