## Supplemental File 1

## Data collection tool

Participant reference No…………….  
Date of arrest…………………………

**Age**………/ UNKNOWN **Weight** (Kg)………..Not measured **Sex** M/ F

**Time**……….. (AM/ PM)

Working diagnosis for the patient…………………………………………

Any other co-morbidities the patient has……………………………………  
Investigations done in the past one week; indicate the results beside the investigation,

1. Creatinine…………………………………………
2. Serum potassium……and sodium…………………………………….
3. Hemoglobin (g/dL)………total WBC……………platelets……………….
4. Other (specify) …………………………………………..

**Day of the week** Monday/ Tuesday /Wednesday/ Thursday/ Friday/ Saturday/ Sunday

Location of the arrest;

1. Emergency ward
2. ICU
3. Theatre
4. TOTO ward

If cardiac arrest occurred in theatre; (circle/ tick the most appropriate)

* Type of anesthesia G.A/ REGIONAL/ COMBINED/ OTHER ( specify)………………..
* Drugs given to patient;
  1. Propofol/ ketamine
  2. Suxamethonium
  3. Halothane/ isoflurane
  4. Other (specify)……………………
* ASA 1/ 2/ 3/ 4/ 5/ 6
* Elective/ Emergency

What monitors did the patient have on them before resuscitation was started?

1. Pulse oximeter
2. NIBP cuff
3. ECG
4. Other (specify)……
5. No monitoring…

If patient was being monitored, monitor readings before the event

1. SaO2……………. %.
2. NIBP…………mmHg……..
3. Pulse Rate…………bpm
4. Respiratory Rate………………bpm
5. Other (specify)…………………….

Was the arrest witnessed (seen or heard by another person or monitored)? Yes/ No

If yes, what was the estimated response time in minutes? ...................minutes

The response time was affected by

1. Stock out of drugs and sundries
2. Few health professionals present
3. Inadequate resuscitation equipment
4. Inadequate knowledge to respond as required

What was the patient’s first ECG rhythm during the event?

1. Ventricular fibrillation/ Ventricular tachycardia
2. Asystole/ Pulseless Electrical activity

How many staff were present to help during the event/ resuscitation (State the number in brackets)

1. Nurses
2. Doctors
3. Residents
4. Specialists

What drugs were used during resuscitation?

1. Adrenaline
2. Atropine
3. Amiodarone
4. Other (specify)………………………..

How many does of Epinephrine were given? ...............doses of..............mg/mcg each

What type of CPR was done?

1. Compression only
2. Compression and bag mask ventilation
3. Compression and ventilation using an endotracheal tube

Who did the CPR?

1. Nurse
2. Doctor
3. Resident
4. Specialist
5. Anesthesiologist/anesthesia trainee
6. Emergency medicine specialist/trainee

Number

How long did CPR take?

1. < 10 minutes
2. 10-20 minutes
3. > 20 minutes

Was defibrillation done? Yes/ No

If yes, how many times?..............................

Outcome of cardiac arrest; alive/ dead

If alive, vital signs/immediate examination after ROSC

GCS; E………V……..M……..

P.R…………SaO2……….B.P……………..

Mechanical ventilation Spontaneous breathing

What amount of vasopressor (s) is required to maintain stated blood pressure? (State type and concentration/ total amount)

Type………………………………

Concentration/ total amount………………………………

Where is the patient admitted after the arrest? ..............................................

What monitoring is done immediately after the arrest…………………...

1. Pulse oximetry
2. NIBP
3. ECG
4. Other (specify)….

What was the probable cause of the arrest?

1. Hypotension
2. Hypoxia
3. Hypo/ Hyperkalemia
4. Hypothermia
5. Tension pneumothorax
6. Cardiac tamponade
7. Drug overdose/ toxin
8. Myocardial infarction
9. Other (specify)…..

**Follow up**

Circle or indicate figures where appropriate.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 24hours | Day 2 | day 3 | day 4 | day 5 | Day 6 | Day 7 |  |
| Patient Alive or Dead | Dead | Dead | Dead | Dead | Dead | Dead | Dead |  |
| Alive | Alive | Alive | Alive | Alive | Alive | Alive |  |
| Disposition | e-ward/ general ward/ICU/ home | e-ward/ general ward/ICU/ home | e-ward/ general ward/ICU/ home | e-ward/ general ward/ICU/ home | e-ward/ general ward/ICU/ home | e-ward/ general ward/ICU/ home | e-ward/ general ward/ICU/ home | |
| GCS |  |  |  |  |  |  |  | |
| Sao2 |  |  |  |  |  |  |  | |
| B.P |  |  |  |  |  |  |  | |
| P.R |  |  |  |  |  |  |  | |
| R.R |  |  |  |  |  |  |  | |
| Spontaneously breathing | Y/ N | Y/N | Y/ N | Y/N | Y/ N | Y/ N | Y/ N | |
| Mechanically ventilated | Y/ N | Y/ N | Y/ N | Y/ N | Y/ N | Y/ N | Y/ N | |
| Vasopressors for BP | Y/ N | Y/N | Y/ N | Y/ N | Y/ N | Y/N | Y/ N | |
| Investigations done(state values against each type) | Hb  K+ |  |  |  |  |  |  | |
| New conditions not present at the time of the event | AKI  Infection  Seizures  Other | AKI  Infection  Seizures  Other | AKI  Infection  Seizures  Other | AKI  Infection  Seizures  Other | AKI  Infection  Seizures  Other | AKI  Infection  Seizures  Other | AKI  Infection  Seizures  Other | |
| Re-arrest (state number if re-arrest occurred) | Y/N  No….  Ward/ ICU/ Theatre | Y/N  No…  Ward/ ICU/ Theatre | Y/N  No…..  Ward/ ICU/ Theatre | Y/ N  No…..  Ward/ ICU/ Theatre | Y/N  No…..  Ward/ ICU/ Theatre | Y/N  No…..  Ward/ ICU/ Theatre | Y/N  No…..  Ward/ ICU/ Theatre | |

Date of death………/…………/……………

Date of last follow up………/………/………….