

October - December 2019

PHEA Audit



Pre-Hospital Emergency Anaesthesia

Highest risk procedure performed
by MEDSERVE Wales responders

Every case audited against the
Standard Operating Procedure

Key Performance Indicators are
used to monitor compliance with
SOP and drive improvement

Key Performance Indicators

Discuss with 'top cover' if advised by SOP prior to PHEA [80%]

On scene time <30mins for the non-trapped (medically, environmentally or physically) patient [80%]

Time from starting PHEA (time of giving induction agent) to leaving pre-hospital scene in <15mins [80%]

999 call to PHEA time <45mins in trauma patient [50%]

Intubated on first attempt - >90% and three or less attempts [100%]

Bougie or stylet used in all cases [100%]

PHEA checklist used in all cases [100%]

Hypotension of SBP 90mmHg or desaturation of SpO2 <92% with good trace within 5mins of induction ("Transient Complications") in traumatic/non traumatic brain injury [<10%]

PHEA audit form completed in all cases including indication and observations [100%]

Full case review of all cardiac arrests post RSI [100%]

Cases

Date	Indication	Staff	Location	Receiving Hospital
12/10/19	65YOF fitting	BB/ WH / FT	Rumney	UHW
12/10/19	50YOM Drowning	BB/TA	Ogmore	POW

Discussed with Top Cover if advised by SOP (80%)

- 2/2 cases met criteria for call
 - Non consultant grade lead
 - 100% calls made

On scene time <30 mins (80%)

- 41 mins
- 30 mins
- 50%

Time from start PHEA to leave scene <15mins
(80%)

- 13 mins
- 14 mins

100%

999 call to PHEA time <45mins in trauma patient [50%]

- 1/1 trauma cases <45 mins – 28 mins

Intubated on first attempt - >90% and three or less attempts
[100%]

- Intubated on first attempt

2/2

Bougie or stylet used in all cases [100%]

- Bougie used 2/2

PHEA checklist used in all cases [100%]

- Full checklist used 2/2

Hypotension of SBP 90mmHg or desaturation of SpO₂ <92% with good trace within 5mins of induction (“Transient Complications”) in traumatic/non traumatic brain injury [<10%]

- No hypotension
- No desaturation with good trace:
 - Sats 2 mins post PHEA 88 but poor trace, HR=0

PHEA audit form completed in all cases including indication and observations [100%]

- 2/2 forms completed

Full case review of all cardiac arrests post RSI [100%]

- No cardiac arrests post PHEA

Summary

- Small number of cases
- Hit KPI's on 9/10 criteria
- Forms well completed