

SAQ 10
21 Marks
9 min

Sheila Bryan DEMT Dandenong Hospital

Stem

You are working in a regional ED. You receive a call from the ambulance that a 4 yo boy is en-route after an apparent near drowning accident in a family swimming pool.

CPR is in progress, with BVM

ETA 10 min

Part one

- List 6 **specific pieces of equipment** that you would prepare for this patient (6 marks)
 - AIRWAY
- ETT size, cuffed/uncuffed +/- one size 4.5-5.5
- Bougie/stylet
- Blade – mac 2.0
- LMA 2 /2.5
- Difficult airway

- Breathing
- capnography
- Ventilator
- Paed BVM
- Suction
 - Circulation
- monitoring
- Iv 22/24
- IO range of sizes

- Other
- Warning equipment
- Cx collar (no score)

No scores for:

- Lack of detail in equipment selection
- Fluids / drugs
- Team / room

progression

- On arrival the patient is in PEA with ventricular rate of 50 bpm. The family wish to be in the resus room
- Q2 – three advantages to this family's presence during the resus
 - Advantage to family
 - Advantage to medical staff

- Q2ii
- Three disadvantages
- Family
 - distress
- Staff
 - performance anxiety
 - Room in the cubicle
 - Extra resources

progression

- The patient arrives and is successfully intubated with ROSC
- Question 4
- List the ventilator settings that you would commence

- Zero score may be applied

Vent settings

Mode	volume SIMV	pressure
TV	6-10ml/kg	
RR	15-30	
I:E	1:2 – 1:4	
PEEP	2.5-10	

- Need all settings and for them to be internally consistent with an adequate minute ventilation

- Other than adjusting the ventilation settings list four specific steps to optimize pulmonary recovery
 - NGT
 - Head up
 - Treat bronchospasm
 - Judicious fluids
 - Consider AB/steroids (prob not)