

## OSCE

### Candidate information

You will receive a phone call from a GP who works at a small rural hospital which is approximately a 4 hour drive away.

The GP is managing a 15 year old girl who has taken a large number of her Grandmother's calcium channel blocker medication.

Please provide advice to the GP over the phone.

Domain	%
Medical expertise	60
Prioritisation and decision making	
Communication	40
Teamwork and collaboration	
Leadership and management	
Health advocacy	
Scholarship and teaching	
Professionalism	

## Teenage CCB overdose

### Actor (GP) information

You are managing a 15 year old girl who has taken a large number of her grandmother's calcium channel blocker medication. You volunteer no information unless asked by the candidate.

Information available:

- 20 tablets of verapamil SR taken approximately 1 hour ago
- Patient weighs 50kg
- Suicidal intent
- Obs: BP 70/45    HR 50    Sats 100% RA    Afebrile    RR 35
- Symptoms: feels dizzy, otherwise no symptoms.
- No coingestants
- VBG: normal. K good. BGL 8.5. Normal pH.
- ECG: SB with 1<sup>st</sup> degree block. QRS normal.

Marking:

- Management of CCB overdose
  - o One pill can kill
  - o Sustained release – prolonged effect
  - o Management:
    - Calcium gluc/carbonate 10 - 30ml of 10% repeated as needed
    - IVT bolus – 10-20 ml/kg
    - Adrenaline if BP doesn't improve with bolus
    - Charcoal may be considered
    - Sodium bicarbonate may be considered
    - Intubation if GCS <8
    - HIET – I unit/kg of insulin with 50ml of 50% glucose
    - Regular obs – every 5 minutes or continuous
    - Retrieval to nearest tertiary paediatric centre
    - Detention level 1
    - Toxicology input

	Mark
<b>Appropriate management of CCB overdose</b>	2
<b>Detains patient</b>	2
Recognises sustained release preparation – prolonged effect	1
Mentions "one pill can kill"	1
Recognises that pt already has symptoms of toxin – low BP etc – and manages appropriately	2
Mentions need to transfer pt	1
Approach to GP – open, friendly, etc	1