

OSCE

Candidate information

Your Registrar has taken a 3 year old girl to the Resuscitation Room with a suspected hypoglycaemic coma and wants to discuss the case with you. The child is currently haemodynamically stable and is being cared for by another senior Registrar. The child's mother has gone outside for a smoke.

Domain	%
Medical expertise	50
Prioritisation and decision making	
Communication	30
Teamwork and collaboration	
Leadership and management	
Health advocacy	
Scholarship and teaching	20
Professionalism	

Actor (Reg) information

A 38-year-old female has brought her 3 year old daughter to ED. She is a single mother to her child, who has severe cerebral palsy, DM type 1, and intellectual delay. The mother is concerned as her daughter is unusually sleepy. She states she found her daughter obtunded with several insulin syringes around her and is worried she was playing with her insulin needles and administered too much. The child's BGL is 0.01 (normal range 4-10).

Essentially: this child is too young and physically incapable of injecting insulin. This is a deliberate overdose of insulin with possible homicidal intent. Your consultant will need to consider treatment, prognostication, ICU, administration of glucose +++, coingestants, screening for physical abuse, and mandatory/police notification.

Prompts:

- Could this be child abuse?
- How do we manage insulin overdose? *Glucose, glucose, more glucose, supportive therapy, can excise the skin insulin was injected into (can form a focus for further insulin leakage), ICU*
- Could it be an insulinoma or similar? How can we test for this?

Marking:

	Mark
Recognises likely criminal event/deliberate overdose by mother	2
Appropriate management of insulin overdose	2
Describes specific tests to confirm/exclude insulin overdose (C peptide levels etc)	2
Identifies need for child protection/notification to police	1
Explains or identifies flaws in story given by mother – CP, intellectual delay etc	1
Seeks other co-ingestants and mentions need to screen for child abuse markers	1
Approach to Registrar – professional, collegiate, organised	1