

OSCE

Candidate information

You are the consultant in a tertiary centre that provides all adult and paediatric services, including a burns unit. You have been contacted via telemedicine by a senior GP at a peripheral hospital who has been seeing a 2 year old girl with burns.

The GP would like some advice on how to manage the child at their hospital, as the family do not have ambulance cover and are keen to remain at their local hospital.

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

Paediatric burn mx

Actor (senior GP) information

You are the senior GP at a peripheral hospital. You have been seeing a 2 year old girl who suffered burns after pulling a pot of boiling water off a stove 20 mins ago. The distraught mother rushed the child straight to hospital. The child is currently stable.

You have contacted the nearest tertiary centre to seek advice on managing the child, as the parents are keen to remain at the local hospital (they lack ambulance cover). The tertiary centre has a burns unit and is 1 hour by flight, 3 hours by vehicle away.

Obs

HR 150

BP 90/50

Sats 95% RA

RR 35

Weight 10kg

Photo of child available, and can be given to consultant if asked for.

Prompts:

- What are the initial steps of management of this child?
- How can I estimate the TBSA burnt?
- How should I calculate the fluid needs for the child?
- Do I need to add maintenance to the fluid resuscitation?
- Does this child need transfer? What are the criteria for transfer to a burns unit?
- Should I intubate before transfer? Why?
- What end points should I aim for in my resuscitation of this child?

Marking:

- What are the initial steps of management of this child?
 - Analgesia, first aid (cool running water 20 mins), cover with clingfilm/non-adherent dressing, oxygen supplementation
- How can I estimate the TBSA burnt?
 - Rule of nines (paediatric version), Lund and Brower chart
- How should I calculate the fluid needs for the child? Parklands formula. Warmed preferably.
- Do I need to add maintenance to the fluid resuscitation? Yes.
- Does this child need transfer? What are the criteria for transfer to a burns unit? Yes. From RCH:
 - > Burns greater than 5–7% Total Body Surface Area (TBSA).
 - > Burns to face, hands, feet, genitalia, perineum, major joints.
 - > Full thickness burns.
 - > Electrical burns
 - > Chemical burns.
 - > Inhalation burns.
 - > Circumferential burns.
 - > Burn Injury in patients with pre-existing medical disorders.
 - > Burns with associated trauma.
 - > Suspicious burns.
- Should I intubate before transfer? Why? Yes; sats low, neck burns, pain relief, etc etc
- What end points should I aim for in my resuscitation of this child? Lactate clearance, u/o, cap refill, bp etc
- Ideally: considers NAI, may discuss validity of Parkland's...

	Mark
Appropriate advice on initial first aid	2
States child needs transfer – meets burns criteria	2
Explains estimation of burns area – chart or rule of nines	1
Identifies likely need to intubate before transfer if feasible	1
Explains importance of fluid management with Parklands formula	2
Discusses analgesia – appropriate choices	1
Considers NAI, other discussions (eg validity of Parklands)	1

