

FELLOWSHIP SAQs

Environment - Hyperthermia

A 23-year-old male has been brought to ED by ambulance after collapsing near the finish line in a 10 km fun run. His current observations are:

GCS 10 (E2V3M5)

HR 120

BP 85/55

RR 30

Temp 40.5

SpO2 97% on 15 L O2 NRB

You are concerned the patient is suffering from heat stroke.

List 5 potential complications of heat stroke (5 marks)

1)

2)

3)

4)

5)

List 3 methods of physical non-invasive cooling techniques that can be used for this patient and an advantage of each one. (6 marks)

Method 1	Advantage:
Method 2	Advantage:
Method 3	Advantage:

You are preparing to intubate this patient. List two disadvantages of using a depolarising muscle relaxant for the intubation of this patient (2 marks)

1)

2)

List 3 poor prognostic factors that increase the risk for permanent residual impairment or death in this patient (3 marks)

1)

2)

3)

Source:

The Emergency Medicine Manual (Dunn)