

Scenario 1

The critical care transport team is dispatched to the 25 bed long-term care facility. Information available on the triage call is as follows: 16 year old female with a history of severe mental retardation and cerebral palsy. Weight is unknown. Upon arrival at the referring physical assessment reveals:

Auscultation- decreased aeration bilaterally and scattered coarse rales are noted. Moderate intercostal and subcostal retractions and nasal flaring are observed. The patient is receiving oxygen therapy by air-entrainment mask at an $F_{I}O_2$ of 0.50. The patient weight is 46 kg. Vital signs are as follows;

HR: 110 bpm

B/P: 122/80

S_pO_2 : 85%

RR (total) 22 breaths/min.

Temperature: 39.6°C

Scenario 2

The critical care transport team is dispatched to the ED of a 100 bed community hospital. Information available on the triage call is as follows: 2 month old male infant with respiratory distress, weight unknown. Upon arrival at the referring hospital, the patient is intubated with 3.0 cuffed ETT. The RRT, from referring is providing manual ventilation with a self-inflating resuscitation bag at a rate of 12 breaths per minute.

Current medical history includes worsening nasal congestion, cough and poor feeding over the last 3 days. The

patient weight is 6 kg. Vital signs are as follows;

HR: 132 bpm

B/P: 130/64

S_pO_2 : 88%

RR (total) 38 breaths/min.

Temperature: 37°C

Scenario 3

The critical care transport team is dispatched to the ED of a 400 bed level tertiary care adult teaching hospital. Information

available on the triage call is as follows: 10 year old male with a known seizure disorder. The patient is postictal, and is intubated with a 6.0 cuffed ETT by the ED attending to protect the child's lower airway. The patient weighs 30 kg. Upon arrival at the referring facility, the patient is receiving manual ventilation with a self-inflating resuscitation bag at a rate of 27 breaths per minute. Vital signs are as follows:

HR: 90 bpm

B/P: 110/60

S_pO_2 : 90%

RR (total) 27 breaths/min.

Temperature: 37°C