

Give one correct answer for each question.

- Blood gas sampling is not done for which of the following estimations?**
 - pH
 - pCO₂
 - O₂ saturation
 - Base deficit
 - pO₂.
- Which of the following methods is not used to obtain a blood gas sample:**
 - Indwelling umbilical arterial catheter
 - Indwelling umbilical venous catheter
 - Radial artery stab
 - Warmed heel prick
 - Indwelling peripheral arterial line.
- Capillary blood does not show uniformly strong correlation with arterial blood for which one of the following estimations:**
 - Haemoglobin
 - Glucose
 - Lactate
 - Potassium
 - Sodium.
- Which one of the following conditions may affect the accuracy of results:**
 - Hypothermia
 - Increased capillary refill time
 - Hypotension
 - Hyperthermia
 - Acidosis.
- Which is the commonest symptom in patients with pulmonary hydatid disease:**
 - Asymptomatic and found incidentally on chest radiograph
 - Chronic cough
 - Dyspnoea
 - Pleuritic chest pain
 - Haemoptysis.
- Which of the following statements does not characterise the hyperimmunoglobulin E syndrome (HIES):**
 - It is an allergic disorder.
 - It manifests with recurrent sino-pulmonary infections.
 - Patients suffer from chronic eczematous dermatitis.
 - It often shows high eosinophilia.
 - Patients are usually growth restricted.
- True (A) or false (B):**

Invasive pO₂ measurement is not the best way to assess oxygenation in the neonate.
- True (A) or false (B):**

Transcutaneous pO₂ measurement (T_{cp}O₂) is better than oxygen saturation monitoring (SpO₂).
- True (A) or false (B):**

There is a strong correlation of pH, pCO₂ and HCO₃ between arterial and capillary blood in adults.
- True (A) or false (B):**

Capillary heelstick sampling is associated with fewer and less serious adverse effects than arterial sampling.
- True (A) or false (B):**

In hydatid disease, the lungs are the most common site of involvement in children.
- True (A) or false (B):**

Hydatid disease occurs when humans eat the meat of sheep that were infected with *Taenia solium*.
- True (A) or false (B):**

Noise-induced hearing loss involves damage to the delicate hair cells lining the basilar membrane of the cochlea.
- True (A) or false (B):**

South African noise level standards have been formulated to prevent hearing loss.
- True (A) or false (B):**

The immune abnormalities of the HIES include abnormal chemotaxis, deranged lymphocytic function and altered cytokine response.
- True (A) or false (B):**

A bedside HemoCue test will replace a full blood count in neonatal care because of its ease and accuracy.
- True (A) or false (B):**

Secondary Sjogren's syndrome is associated with a variety of auto-immune conditions.
- True (A) or false (B):**

Neurological complications in typhoid fever are very rare.
- True (A) or false (B):**

Patients with HIV infection can be distinguished from those with gastro-enteritis on clinical grounds.
- True (A) or false (B):**

Stroke may occur in typhoid fever as a result of vasculitis.

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