

Choose the statements that are correct:

**1. Immune thrombocytopenic purpura (ITP) complicated by HELLP syndrome**

More than one answer is correct.

- The two main classification systems of pre-eclampsia (PET) are the Mississippi and Missouri classifications.
- The incidence of ITP in pregnancy is approximately one case per 100 000 births.
- There is no known association between ITP and PET.
- ITP is an autoimmune condition with antibodies detected against several platelet surface antigens.

**2. Serum procalcitonin (PCT) in pregnancy-associated sepsis (PAS)**

More than one answer is correct.

- PCT can be detected in plasma as early as 2 hours after exposure to bacterial endotoxins.
- PCT may be raised in pre-eclampsia and spontaneous rupture of membranes in the absence of infection.
- PCT is not raised in cases of trauma in which infection has not already occurred.
- PCT is not known to be raised in paralytic ileus in the absence of sepsis.

**3. An audit of tests performed in the antenatal period in a district hospital in South Africa (SA)**

More than one answer is correct.

- According to the World Health Organization (WHO), the risk of mother-to-child transmission of HIV in the absence of immediate antiretroviral treatment is 15 - 45%.
- Untreated syphilis in infected pregnant women can lead to death in up to 2% of neonates.
- Effective prevention of mother-to-child transmission of HIV by antiretroviral therapy may reduce the risk of transmission to below 5%.
- Screening for all consenting women is provided for pregnant patients in SA. The first test is performed at presentation to an antenatal facility and then repeated at 32 weeks' gestation.

**4. Successful pregnancy in a patient with Swyer syndrome**

More than one answer is correct.

- Swyer syndrome is pure gonadal dysgenesis in a patient with a 46,XX chromosome complement.
- In the 2006 DSD classification that includes Swyer syndrome the 'DSD' stands for disorders of sexual development.
- Swyer syndrome has been estimated to occur at a frequency of 1 in every 80 000 births.
- A small number of successful pregnancies have previously been reported in patients with Swyer syndrome by a process of egg donation.

**5. Evaluation of the effect of 10% lidocaine spray on reducing the pain of intrauterine device (IUD) insertion: A randomised controlled trial**

More than one answer is correct.

- The incidence of IUD use in women in a stable relationship in China has been reported as 40%.
- The incidence of IUD use in Iran was calculated in 2012 to be 12.1%.
- Randomised controlled trials have shown a beneficial effect of naproxen and ibuprofen on the pain associated with IUD insertion.
- Different doses of oral and sub-lingual misoprostol have failed to reduce the pain of IUD insertion.

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