

Study Questions

Choose the ONE best answer.

34.1 Which of the following is correct regarding the use of isotretinoin in the treatment of acne?

- A. Isotretinoin is given intravenously in the treatment of acne.
- B. Isotretinoin acts primarily on the membrane receptors.
- C. If given in high dosages, isotretinoin can indirectly increase the concentration of Propionibacterium acnes bacteria.
- D. Isotretinoin activates prostaglandin E₂ and collagenase, which causes the adverse effect of inflammation.
- E. Isotretinoin is contraindicated in pregnancy due to its high risk of birth defects.

34.2 A 3-year-old boy has contracted scabies from his playmate at the daycare center. Which of the following would be the most appropriate treatment?

- A. Azelaic acid.
- B. Mupirocin.
- C. Permethrin.
- D. Triple antibiotic ointment.

Correct answer = E. Retinoic acids play an important role in mammalian embryogenesis. Excessive amounts of retinoid have been shown to cause teratogenicity, and the exact molecular mechanism is not known.

Correct answer = C. Permethrin is a topical scabicide that is preferred due to its lower risk of neurotoxicity. Azelaic acid is a topical treatment for acne. Mupirocin and triple antibiotic ointment are used for the treatment of bacterial infections and would not be appropriate for scabies.