

Local and Systemic Safety of Intranasal Corticosteroids

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CME Items

- 1) Which is the main pharmacokinetic characteristic that differentiates first- and second-generation intranasal corticosteroids?
 - a) Plasma peak concentration
 - b) Half-life
 - c) Systemic bioavailability
 - d) Clearance by first-pass hepatic metabolism
- 2) Which intranasal corticosteroids are considered second-generation?
 - a) Mometasone furoate
 - b) Fluticasone propionate
 - c) Fluticasone furoate
 - d) All of the above
- 3) Increased lipophilicity of intranasal corticosteroids potentially results in reduced adverse events and slower release from respiratory tissue. Which of the following intranasal corticosteroids has the lowest lipophilicity?
 - a) Fluticasone propionate
 - b) Mometasone furoate
 - c) Beclomethasone dipropionate
 - d) Flunisolide
- 4) In clinical trials, which local adverse event is reported more often in intranasal corticosteroid arms than in placebo arms?
 - a) Epistaxis
 - b) Burning and stinging
 - c) Nasal dryness
 - d) Throat irritation
- 5) Which test is recommended to assess clinically significant effects of intranasal corticosteroids on the HPA axis?
 - a) Plasma corticosteroid level
 - b) Suppression of cortisol secretion
 - c) Urinary excretion of corticosteroids
 - d) Cosyntropin stimulation tests and corticotrophin-releasing hormone stimulation
- 6) Which intranasal corticosteroid has a demonstrated effect on the HPA axis?
 - a) Mometasone furoate
 - b) Fluticasone furoate
 - c) Budesonide
 - d) None of the above
- 7) Which intranasal corticosteroid has demonstrated a suppressive effect on statural growth in children?
 - a) Fluticasone furoate
 - b) Mometasone furoate
 - c) Triamcinolone acetonide
 - d) Beclomethasone
- 8) Do any of the following intranasal corticosteroids have an effect on bone density?
 - a) Mometasone furoate
 - b) Fluticasone furoate
 - c) Budesonide
 - d) None of the above
- 9) Which of the following is true about the incidence of cataract formation in adult patients (<70 years) using intranasal corticosteroids?
 - a) Cataract is a common finding
 - b) There is no increased risk of cataract formation in users
 - c) Cataract affects up to 20% of users
 - d) Cataract affects up to 10% of users
- 10) Use of intranasal corticosteroids in pregnancy: Which product is listed in FDA Pregnancy Category B?
 - a) Mometasone furoate
 - b) Fluticasone furoate
 - c) Budesonide
 - d) Triamcinolone acetonide