

ENDOCRINE

1. **Compared with untreated women, women taking post-menopausal HRT with natural oestrogens and a progesterone have**
 - a. No change in the incidence of endometrial cancer
 - b. Lower HDL levels
 - c. More fractures
 - d. No change in the incidence of gallbladder disease
 - e. Higher blood pressure

2. **Compared with untreated women, women using OCP have a decreased risk of**
 - a. MI
 - b. Hepatic adenoma
 - c. Cervical cancer
 - d. Breast cancer
 - e. Ovarian cancer

3. **Regarding glucocorticoids**
 - a. the major human glucocorticoid is cortisol
 - b. a normal adult secretes 100mg cortisol a day
 - c. feedback suppression of pituitary ACTH occurs within hours
 - d. absence of cortisol increases the response of vascular and smooth muscle tone to catecholamines
 - e. inhibition of WBC and tissue macrophages is not an action of glucocorticoids

4. **Regarding steroids, which is false**
 - a. they do not act directly to dilate smooth muscle
 - b. they are given in the morning due to diurnal variation
 - c. they may cause adrenal suppression
 - d. they are useful in osteoporosis
 - e. chronic inhaled steroids reduce bronchial reactivity

5. **Glucocorticoids**
 - a. bind to intranuclear receptors
 - b. regulate protein synthesis via glucocorticoid receptor complex
 - c. have catabolic effect on carbohydrates, protein and lipids
 - d. suppress mononuclear cells only
 - e. do not bind to the aldosterone receptor

6. **Regarding insulin**
 - a. it is not known to cause anaphylactic reactions
 - b. ultralente is a short acting insulin
 - c. patients do not develop antibodies to insulin
 - d. works through receptors with tyrosine kinase activity
 - e. hypoglycaemia is a rare complication

7. The most potent mineralocorticoid is

- a. hydrocortisone
- b. prednisolone
- c. methylprednisolone
- d. dexamethasone
- e. betamethasone

8. With regard to OHG agents

- a. tolbutamide and glipizide are sulphonylureas
- b. chlpropamide has a half life of 4-6 hours
- c. metformin is more effective once weight is controlled
- d. lactic acidosis is more common with metformin than phenformin
- e. glipizide has one of the longest half lives

ANSWERS

- 1. A
- 2. E
- 3. A
- 4. D
- 5. B
- 6. D
- 7. A
- 8. A