

بسم الله الرحمن الرحيم

Pharma , Collected Questions

Dr.Suhail Ismili

Done by :Sarah Alhunity+Hana Hashem

ملاحظة: الأسئلة التالية تجميعات كويزات في فترة التعلم عن بعد بسبب أزمة الكورونا

1) In general, the major clinical use to hormones is:

- Deficiency states

2) Which of the following hormones is not a peptide or a protein in nature?

- Thyroxine

3) For hormones of protein in nature, the first process to be affected by whatever factor or drug is:

- Release

4) Gonadotropin Releasing Hormone "GnRH":

- Its major side effect is osteoporosis

5) Which of the following is considered the major limitation in manufacturing a good GnRH competitive antagonist?

- Must lead to histamine release

6) The gonadotrophic hormones, FSH and LH:

Are substances whose plasma levels are altered by the presence of GnRH, estradiol, progesterone or testosterone

7) human Chorionic Gonadotropin (hCG) is similar in its pharmacological properties to:

- LH

8) Bromocriptine is effective in all of the following conditions; EXCEPT:

- Postpartum hemorrhage

9) In the management of dwarfism, recombinant human growth hormone is best given:

- SC on daily basis at night

10) Pegvisomant is an example of

- A growth hormone antagonist

11) Menotropin is a preparation that contains

- LH and FSH

12) Choose the correct statement:

- Bromocriptine, a dopamine agonist, increases growth hormone release in normal individuals

13) An ADH synthetic preparation widely used in dentistry as a vasoconstrictor:

- Felypressin

14) Drug of choice to induce labor (delivery):

- Oxytocin

15) Drug of choice to induce abortion in the first trimester of pregnancy

- Prostaglandin F_{2α}

16) Sustained contraction of the uterus after delivery of the fetus and placenta is accomplished best by the administration of:

- Methylergonovine

17) Thyroxine produces all of the following effects; EXCEPT:

- Bradycardia

18) Choose the wrong statement:

- Propylthiouracil inhibits oxidation of iodide, release of T₄ and peripheral conversion of T₄ to T₃

19) All of the following are antithyroid drugs; EXCEPT:

- Propranolol

20) T₃ differs from T₄ in all of the following, EXCEPT:

- Mechanism of action

21) Which of the following is a synthetic hormone highly effective in the management of Carcinoid syndrome and gastrinomas?

- **Octreotide**

22) Hypoparathyroid patients are expected to have:

- **Low calcitonin blood levels**

23) Hypoparathyroidism is best treated by administration of:

- **Vitamine D**

24) Initial activation of vitamin D occurs in the:

- **Liver**

25) Drug of choice to treat Paget's disease:

- **Calcitonin**

1) Candesartan is an example of:

- **Angiotensin receptor antagonist (Answer)**

- A GnRH antagonist
- An angiotensin-converting enzyme inhibitor
- An oxytocin antagonist
- An estrogen antagonist

2) Which of the following is a dangerous side effect and considered an absolute contraindication to the use of Angiotensin Converting Enzyme Inhibitors (ACEI's) e.g. Captopril:

- Dry cough (Answer)
- Nausea and vomiting
- Dizziness
- Headache

3) Glucocorticoids have all of the following pharmacological effects; EXCEPT:

- Antibacterial effect (Answer)
- Antiinflammatory effect
- Antiallergic effect
- Antibacterial effect

- Immunosuppressant effect

4) Which of the following is considered a key issue or a major limitation in developing and manufacturing synthetic analogs to cortisol?

- Aldosterone like activity of the steroid (Answer)
- Suppression on the growth of children
- Immunosuppressant action of the steroid
- Peptic ulceration side effect
- Suppression to CRH-ACTH-Cortisol axis

5) Which of the following is considered the most frequent and dangerous side effect to a given glucocorticoid?

- Suppression to CRH-ACTH (Answer)
- Osteoporosis
- Aldosterone-like activity of the steroid
- Peptic ulceration

6) Which of the following drugs is unlike the others in its mechanism of action?

- Metyrapone (Answer)
- Cortisol
- Triamcinolone
- Prednisolone
- Metyrapone

7) Which of the following glucocorticoids has the best anti-inflammatory effect without suppressing hypothalamic-pituitary-adrenal axis?

- Dexamethasone
- Triamcinolone
- Cortisol
- Prednisone
- None of the above (Answer)

8) Sitagliptin is an example of:

- Synthetic glucagon-like polypeptide
- An ultrashort-acting insulin
- An inhibitor to incretin metabolism (Answer)
- An alpha-glucosidase inhibitor
- Synthetic sulfonylurea

9) Repaglinide is an example of:

- A prandial glucose regulator (Answer)
- An aldose reductase inhibitor
- A sulfonylurea oral hypoglycemic drug
- An incretin hormone
- An alpha-glucosidase inhibitor

10) Measurement blood level of which of the following is used to assess beta cells function in a diabetic patient receiving 100 units of insulin zinc suspension?

- Insulin
- C-peptide (Answer)
- Glucose

- Ketone bodies
- Proinsulin

11) Which of the following insulins is preferred to be used in insulin pumps?

- Insulin lispro (Answer)
- Regular insulin (Crystalline insulin, insulin injection)
- Protimne zinc suspension
- Insulin glargine
- Isophane insulin suspension (NPH;Humlin)

12) An insulin effective IV and SC and widely used in the management of ketoacidosis:

- Regular insulin (Crystalline insulin, insulin injection) (Answer)
- Protimne zinc suspension
- Insulin glargine
- Isophane insulin suspension (NPH;Humlin)
- Insulin lispro

13) Regarding proinsulin, insulin, and c-peptide, choose the wrong statement:

- C-peptide is responsible for most of allergic reactions to insulins of animal source (Answer)
- Proinsulin has some insulin-like activity
- Insulin inhibits lipolysis
- Recombinant human proinsulin preparations are available
- Insulin glargine is also known as peakless insulin

14) A patient with diabetes mellitus who takes a single injection of intermediate acting insulin each morning experiences elevated blood sugar at 7.00 am and normal blood sugar at 6.00 pm. Which change in therapeutic regimen would you recommend:

- Add a second injection of the intermediate acting insulin at bed time (Answer)
- Reduce food intake in the evening
- Increase dose of insulin in the morning
- Add short acting insulin each morning on waking up

- Add an oral hypoglycemic agent

15) A universal side effect, almost shared by all steroids (cortisol, estrogens, progestins, androgens...

- Headache
- Nausea and vomiting
- Salt water retention (Answer)
- Diabetes mellitus
- Thromboembolic phenomenon

16) Which of the following drugs has antiandrogenic effect and found to be highly effective and safe in the management of female hirsutism?

- Spironolactone (Answer)
- Danazol
- Flutamide
- Ketoconazole
- Gossypol

17) The following drug is the best in the management of prostate cancer?

- GnRH (Answer)
- Diethylstilbestrol
- Flutamide
- Crypoterone acetate
- Mestranol

18) An androgen proved to be highly effective in the management of endometriosis:

- Danazol (Answer)
- Nandrolone
- Testolactone
- Finasteride
- Methyltestosterone

19) The following group (s) of drugs is (are) effective in the management of breast cancer:

- Androgens
- Antiandrogens

- Estrogens
- Antiestrogens
- All of the above (Answer)

20) A progestin widely used orally after IVF procedure to maintain pregnancy:

- Dydrogesterone (Answer)
- Diethylstilbestrol
- Testolactone
- Mestranol
- Mifepristone
- Dydrogesterone

21) Raloxifene is an example of:

- A selective estrogen receptor modulator (Answer)
- A progesterone antagonist
- A synthetic androgen
- A conjugated estrogen
- A combined contraceptive pill

22) Mifepristone is an example of:

- A progesterone antagonist (Answer)
- A selective estrogen receptor modulator
- A synthetic androgen
- A conjugated estrogen
- A combined contraceptive pill

23) Which of the following drugs has both estrogenic and antiestrogenic properties:

- Clomiphene citrate (Answer)
- Estrone sulfonate
- Methyltestosterone
- Cypoterone acetate
- Ganirelix

24) The minipill contraceptive contains:

- Progestin (Answer)

- Intermediate dose of progestine + low dose of estrogen
- High dose of estrogen
- Low dose of estrogen
- Progestin + estrogen

25) The following is not a recognized effect or side effect to combined oral contraceptives:

- Increase risk of endometrial cancer (Answer)
- Decrease risk of ovarian cancer
- Nausea and vomiting
- Aldosterone-like activity
- Increase risk of ischemic heart disease