

REPRODUCTIVE SYSTEM 5TH WEEK



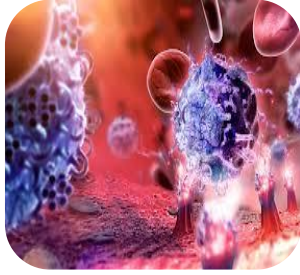
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Immunology

HIV & AIDS

Q1: Immunity that is dependent on the production of antibodies and their actions:

- A- histocompatible immunity
- B- cell mediated immunity
- C- humoral immunity
- D- cytokinetic immunity

Answer:C

Q2: HIV enters susceptible cells through binding of viral envelope glycoprotein (gp120) to specific receptors on the cell surface, mainly the.....molecule itself,

- A-CD3
- B-CD4
- C- CD5
- D-CD6

Answer: B

Q3:Recognise antigen associated with MHC class I molecules and similarly use CD8 molecules for increased binding and signalling:

- A-Helper T-cells
- B-HLA's
- C- Cytotoxic T-cells
- D-B-Lymphocytes

Answer:C

Q4: Within a few weeks of initial HIV infection peripheral blood shows an increased number of:

- A-CD8 + T-cells
- B-CD9 + T-cells
- C- CD10 + T-cells
- D-CD11 + T-cells

Answer: A

Q5:Cell surface glycoproteins of two basic types: class I and class II, that exhibit extensive genetic polymorphism with multiple alleles at each locus:

- A-MHC antigens
- B-CD3 antigens
- C- Mast cells
- D-B-lymphocytes

Answer:A



Biochemistry

[3] infertility investigation

Q1: which one of the following indicate that ovulation has occurred ?

- A. Elevated progesterone at day 21
- B. FSH >25U/L
- C. High LH low FSH

Answer A

Q2: which one of the following indicate primary gonadal failure?

- A. Hyperprolactinemia
- B. High FSH
- C. Hypogonadotropic Hypogonadism

Answer B

Q3: which of the following is a feature of PCOS ?

- A. Oligo-ovulation or anovulation
- B. Hyperandrogenemia
- C. Polycystic ovaries in ultrasonography
- D. All above

Answer D

Q4: which one of the following is not true regarding primary testicular failure ?

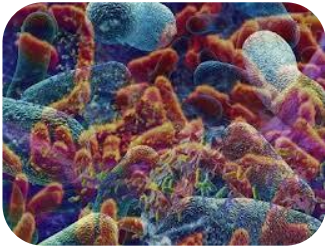
- A. Tubular & interstitial damage, low testosterone , high FSH
- B. Tubular impairment, low testosterone , low gonadotrophins
- C. Tubular impairment, normal testosterone , high FSH

Answer B

Q5: infertile male has hyperprolactinemia based on the history we exclude drugs, stress, seizures & hypothyroidism as the cause of the hyperprolactinemia , TRH administration showed increase prolactin level what is the most likely diagnosis ?

- A. Pituitary tumor
- B. Idiopathic hyperprolactinemia
- C. None of the above

Answer B



Microbiology

[5] Chlamydia_ syphilis & gonorrhoea

Which of the following is the extracellular infectious form of Chlamydia?

- D. The Inclusion body.
- E. The elementary body
- F. reticulate bodies

Ans: B

Male presented with purulent urethral discharge after Gram stain of urethra specimen we say a Gram negative intracellular diplococci. What is the diagnosis?

- A. Chlamydia
- B. Gonorrhoea
- C. Syphilis

Ans: B

25 yr old patient came with fever, malaise and mouth lesions(snail track ulcers). After doing Serology, nontreponemal test was positive. Which one of the following is most likely the diagnosis?

- A. Primary syphilis
- B. Secondary syphilis
- C. Tertiary syphilis
- D. Congenital syphilis

Ans: B



Pharmacology

[6] Drugs inducing ovulation

Q1: Which of the following drugs used in case of Polycystic ovarian syndrome:

- A-Aspirin
- B-Metformin
- C-Clomiphene
- D- Menotropin

Answer:B

Q2: Which one of the following drugs could significantly impair the ability to drive a car:

- A-Metformin
- B-Leuprolin
- C- Clomiphene
- D-Menotropin

Answer:C **one of the side effects of this drug is Visual disturbances (reversible)**

Q3: Which one of the following statements is correct regarding Menotropin:

- A-use in selected women where they stimulate the ovaries to mature follicles
- B-is given orally
- C- the chance to get twins is hundred percent
- D-contains mainly LH

Answer:A

Q4: Bromocriptine is:

- A-Dopamine receptor antagonist
- B-Dopamine receptor agonist
- C-suppress the secretion of prolactin
- D-B & C

Answer:D

Q5:choose the correct statement from the list below:

- A- clomiphene used in such cases of cancer breast
- B- clomiphene cause of hair loss in female irreversibly
- C- Tamoxifen used in such cases of cancer breast
- D- clomiphene and tamoxifen are drugs used in treatment of heart failure

Answer:C

[7] Pharmacology of male infertility :

Q1: which of the following best treatment in 1ry gonadal failure/hypergonadotrophic hypogonadism (decrease testosterone increase LH) ?

- A. Injectable synthetic androgen ester every 2-3 week
- B. Low dose oral methyltestosterone
- C. Assisted reproduction

Answer C

Q2: 15 yrs old male present with delayed puberty which is the suitable choice?

- A. High dose exogenous testosterone and abruptly stopped
- B. Slow spaced androgen replacement therapy
- C. Low dose oral fluxymesterone for 6 month

Answer B

Q3: 32 Y.O male has low testosterone level and he has jaundice LFT confirm liver disease, which one of the following is the best treatment ?

- A. Mesterolone
- B. Clomiphene
- C. hMG

answer A

Q4: which one of the following drugs can be used only in case of male infertility and not in female infertility ?

- A. SERMs
- B. Anastrozole
- C. Leuprolin

Answer B

Q5: 25 Y.O male had married since 2 years and he did not have children yet his wife investigations are normal ,, and his semen analysis show normal result except for increase viscosity which impairs the sperm motility which one of the non-hormonal therapy can help this patient ?

- A. Zinc
- B. Goserlin
- C. Kallikrein

Answer C

(kallikrein decrease viscosity and enhance motility)

Q6: infertile male brought to the emergency because he developed anaphylactic shock after taking a medication , which one of the following drug can cause this side effect ?

- A. hCG
- B. hMG
- C. pregnyl
- D. all above

Answer D

Q7: how to avoid prostatic cancer if patient is taken goserline ?

- A. simultaneous use aromatase inhibitor
- B. simultaneous use of antiandrogen for 2-4 weeks
- C. low dose and spacing
- D. high dose and abruptly stoppage

answer B

[8] Treatment of Syphilis & N. Gonorrhoea :-

1) Which one of the following might induce thrombophelipitis ?

- A- Penicillin G
- B- Cefixime
- C- Azithromycin

Ans: B

2) Which one of the following can be giving in Syphilis infection ?

- A- Penicillin G as IM
- B- Ceftriaxone as IV
- C- Benzathine/Procaine penicillin as IM

Ans: C

3) Which one of the following may induce phototoxicity ?

- A- Doxycycline
- B- Flouoroquinolone
- C- both

Ans: C

4) Which one of the following is not prescribed anymore for N. Gonorrhoea ?

- A- Oral cephalosporine
- B- erythromycine
- C- Spectinomycine

Ans: A

5) Which one of the following is giving for conjunctivitis ?

- A- cephalosporine
- B- Silver nitrate
- C- Spectinomycine

Ans: B

[9] Drugs affecting Breast-feeding :-

1) Which one of the following antibiotic might induce hyperbilirubemia ?

- A- Penicillin
- B- cotrimoxazole
- C- clarithromycine

Ans: B

2) Which one of the following is true regarding Warfarin ?

- A- totally safe on prolonged use
- B- totally contraindicated
- C- can be given but monitor P.T

Ans: C

3) Which one of the following may induce lactic acidosis ?

- A- Insulin
- B- oral hypoglycemic
- C- metformin

Ans: C

4) Diazepam is ?

- A- safe on prolonged use
- B- avoided on prolonged use
- C- single dose is safe

Ans: B+C

5) Which one of the following happens in methemoglobinemia ?

- A- Hemolysis of RBCs
- B- suppression of milk
- C- tissue hypoxia

Ans: C

6) Which one of the following anticonvulsant should be avoided for Breast-feeding ?

- A- Valporic acid
- B- lamotrigine
- C- phenytoin

Ans: B

الحمد لله

الشكر لجميع الاعضاء و لكل من ساهم في كتابة الاسئلة أو في التبيه على أخطاء
ونتمنى أننا أفدناكم..

"إن أصبنا فمن الله وإن إخطأنا فمن أنفسنا ومن الشيطان"

Good luck

Team Leaders :

Khalid Al-Osaimi & Lulu Al-Obaid

اللهم علّمنا ما ينفعنا وانفعنا بما علّمتنا وزدنا علماً وعملاً وأجعل ما علّمتنا حجةً لنا لا علينا