

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



Pharmacology

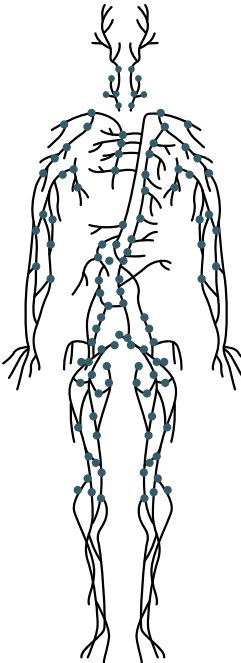
Final | Past papers

﴿وَقُلْ رَبِّ أَدْخِلْنِي مُدْخَلَ صِدْقٍ وَأَخْرِجْنِي مُخْرَجَ صِدْقٍ وَاجْعَلْ لِي مِنْ لَدُنْكَ سُلْطَانًا نَصِيرًا﴾
ربنا آتانا من لَدُنْكَ رَحْمَةً وَهَيِّئْ لَنَا مِنْ أَمْرِنَا رَشَدًا

ALL Material

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LEC 1-3

(Antiplatelets, Anticoagulants and Thrombolytics)

Q1: Proton pump inhibitors are given in the case of GI complications in which of the following drugs?

- A. Heparin
- B. Enoxaparin
- C. Dabigatran
- D. Rivaroxaban

Q2: Which of the following is not a reason for giving enoxaparin over heparin?

- A. Less laboratory monitoring needs
- B. More predictable response
- C. Less risk of thrombocytopenia
- D. Less risk of osteoporosis
- E. It is more efficacious in anticoagulation

Q3: Which of the following variations can affect warfarin action in the Jordanian population?

- A. CYP2C9
- B. CYP2C19
- C. VKOR
- D. CYP 3A4
- E. CYP 3A5

Q4: A patient came to the Emergency room with a stroke, which of the following should be used?

- A. Aspirin
- B. Clopidogrel
- C. Alteplase

Q5: Why do we give an antiplatelets sometimes after using a thrombolytic?

- A. When a thrombi dissolves, antibodies are formed against Streptokinase
- B. When a thrombi dissolves, reperfusion arrhythmia happens
- C. When a thrombi dissolves, hypotension happens
- D. When a thrombi dissolves, local thrombin level decreased
- E. When a thrombi dissolves, platelets aggregation increases

Q6: Why do we combine warfarin with heparin for the first few days of treatment?

- A. Because warfarin has a short half-life
- B. Because of the delayed onset of action of warfarin
- C. Because of the delayed onset of action of heparin
- D. Because of the long half-life of protein C
- E. Because of the short half-life of thrombin

Answer: B

Q7: Which drugs should be administered if we need do a coronary stent after 2 hours on a patient?

- A. Cangrelor
- B. Clopidogrel
- C. Prasugrel
- D. Ticagrelor
- E. Ticlopidine

Q8: Which the following side effects is associated with cholesterol micro embolism?

- A. Bone deformities in fetus
- B. Venous thrombosis
- C. Purple toe syndrome

Q9: Which of the following is used to block platelet GPIIb/IIIa receptor?

- A. Abciximab
- B. Tenecteplase.
- C. Idarucizumab
- D. Warfarin

Answer: A

Q10: Which of the following is a mismatched drug and major side effect?

- A. doxorubicin – cardiac toxicity
- B. Busulfan –pneumonitis
- C. Carmustine - risk of clotting
- D. Cyclophosphamide -hemorrhagic cystitis

Q11: Vitamin k is given as antidote for which of the following drug?

- A. Heparin
- B. Warfarin
- C. LMWH
- D. Lepirudin

Answer: B

Q12: All the following are correct regarding heparin side effects except:

- A. Osteoporosis
- B. Bleeding
- C. Thrombocytopenia
- D. Teratogenic

Q13: All the following cause Thrombocytes activation except:

- A. Erythropoietin
- B. Oprelvekin
- C. IL-11
- D. Thrombopoietin

Q14: Aspirin increases bleeding time via inhibition of:

- A. Thromboxane A₂
- B. Prostacyclin
- C. Epoprostenol
- D. Ticlopidine Clopidogrel

Q15: Vitamin k is given as antidote for which of the following drug?

- A. HIT
- B. Warfarin
- C. LMWH
- D. Lepirudin

Answer: B

LEC 4-6

(chemotherapy)

Q1: Which of the following stages of ALL therapy can cause the most severe tumor lysis syndrome?

- A) Induction
- B) Intensification
- C) Maintenance
- D) CNS prophylaxis

Answer: A

Q2: Which of the following is given in a case of dormant tissue schizont in *P. vivax* and *P. ovale* infections

- A) Chloroquine
- B) Artesunate
- C) Primaquine
- D) Mefloquine

Answer: C

Q3: Which of the following is true ?

- A) Iron absorption is poor in humans
- B) The neurological symptoms of B12 deficiency could be masked by folate
- C) Non heme iron in vegetables is absorbed intact
- D) We can do intermittent phlebotomy in case of acute iron toxicity

Answer: A

Q4: A patient that suffered from chronic myelogenous leukemia (CML) was given Imatinib. But suddenly, he became non-responsive to therapy. After doing a genetic study, we found he has a T315 mutation. Which of the following drugs is best used in his case:

- A) Nilotinib
- B) Dasatinib
- C) Ponatinib
- D) Daunorubicin or doxorubicin
- E) Cytosine arabinoside

Q5: Which of the following is true regarding effects of L-asparaginase:

- A) It causes coagulopathy by increasing the production of protein C
- B) It can cause hyperglycemia
- C) It can cause hypoinsulinemia

Answer: C

Q6: Which of the following is true regarding asparaginase drug:

- A) Hydrolysis of L-asparagine
- B. It is a protease inhibitor
- C. Hypersensitivity is a common side effect
- D. It is an inhibitor of the tyrosine kinase

Answer: A or
C

Q7: Which of the following is used as a conjunction with leucovorin to rescue normal cells:

- A) methotrexate
- B. Cyclophosphamide
- C. Ifosfamide
- D. Lomustine

Answer: B

Q8: The folic acid analog drug which works by inhibiting the enzyme dihydrofolate reductase is effective in leukemia, lymphomas, and sarcomas, but also used in medical abortion, IBD, and rheumatoid arthritis is:

- A) Vincristine
- B. Bleomycin
- C. Methotrexate
- D. Cytarabine
- E. Cyclophosphamide

Answer: C

LEC 7-9

(antiviral, antimalaria,
anemia)

Q1:A patient who is on warfarin and is infected with HIV suffered from severe bleeding which if the following is used?

- A. Oseltamivir
- B. Zidovudin
- C. Saquinavir
- D. Baloxavir marboxil
- E. Nevirapine

Saquinavir inhibits cytochrome p450 which breaks down warfarin thus causes increased warfarin levels

Answer: C

Q2:Virally coded thymidine kinase selectively performs initial phosphorylation of which of the following drugs:

- A) Arethemmer
- B) Primaquine
- C) Azidothymidine
- D) Mefloquine
- E) Acyclovir

Answer: E

Q3: Which of the following drugs and side effects are correct?

- A. Nevirapine – bone marrow suppression
- B. Zidovudine - rash
- C. L-asparaginase – bone marrow suppression
- D. Chloroguanide - nephrotoxicity
- E. None of the above

Answer: E

Q4: Which of the following is false about chloroquine:

- A. Treat blood and tissue malaria
- B. It's a highly effective blood schizonticide
- C. *P. falciparum* resistance is widely spread all over the world
- D. Eliminated slowly by renal excretions

Answer: A

Q5: Which of the following isn't true about Quinine:

- A. Used to treat *P.falciparum*
- B. Therapeutic doses may cause hypoglycemia
- C. Common resistance for Quinine
- D. Causes a collection of symptoms termed cinchonism

Q6: Which of the following is true about Ritonavir:

- A. It binds to gp41
- B. Buffalo hump
- C. It's a pyrimidine analog that binds integrase
- D. Inhibits viral DNA polymerase

Q7: All of the following can be seen in B12 deficient patients except:

- A. Microcytes in blood
- B. Shuffling gait
- C. Peripheral neuropathy
- D. Treatment of pernicious anemia

Answer: A

Q8: In which of the following cases do we prescribe iron dextran:

- A. Woman with increased menstrual blood loss
- B. Malabsorption syndrome
- C. Infants and young children
- D. Pregnant and lactating women

Answer: B

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Corrections from previous versions:

Versions	Slide # and Place of Error	Before Correction	After Correction
V0 → V1			
V1 → V2			