

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



MID | Lecture 1&2

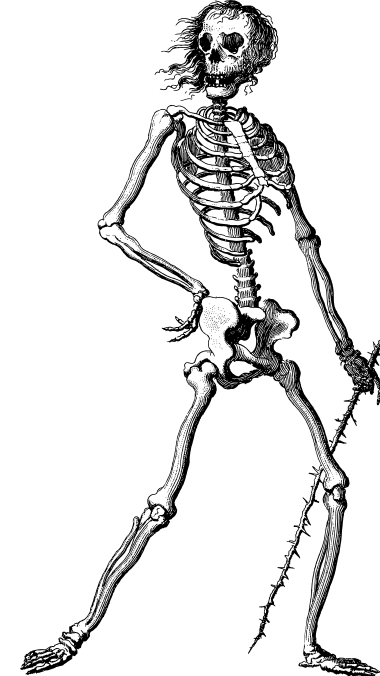
وَإِن تَتَوَلَّوْا يَسْتَبَدِلْ قَوْمًا غَيْرَكُمْ ثُمَّ لَا يَكُونُوا أَمْثَلَكُمْ

اللهم استعملنا ولا تستبدلنا

# Past Papers

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PHARMACOLOGY



# Past papers

Always remember that past exam questions are only for practice.

Bismillah, let's go!

اللَّهُ لَا إِلَهَ إِلَّا هُوَ الْحَيُّ الْقَيُّومُ  
لَا تَأْخُذُهُ سِنَّةٌ وَلَا نَوْمٌ لَهُ مَا فِي السَّمَوَاتِ وَمَا فِي الْأَرْضِ  
مَنْ ذَا الَّذِي يَشْفَعُ عِنْدَهُ إِلَّا بِإِذْنِهِ يَعْلَمُ مَا بَيْنَ أَيْدِيهِمْ  
وَمَا خَلْفَهُمْ وَلَا يُحِيطُونَ بِشَيْءٍ مِّنْ عِلْمِهِ إِلَّا بِمَا شَاءَ  
وَسِعَ كُرْسِيُّهُ السَّمَوَاتِ وَالْأَرْضَ وَلَا يَئُودُهُ حِفْظُهُمَا  
وَهُوَ الْعَلِيُّ الْعَظِيمُ

Which of the following property combinations is peculiar to the majority of NSAIDs ?

- A) Antihistaminic, antipyretic, analgesic
- B) Immunodepressive, anti-inflammatory, analgesic
- C) Antipyretic, analgesic, anti-inflammatory
- D) Anti-inflammatory, immunodepressive, antihistaminic

Side effects of aspirin include one of the following ?

- A) Gastric upset (intolerance)
- B) Salicylism (vomiting, tinnitus, decreased hearing, and vertigo)
- C) Gastric ulcers and and upper gastrointestinal bleeding
- D) All of the above

Inflammation is a complex tissue reaction that includes the release of cytokines, leukotrienes, prostaglandins, and peptides. Prostaglandins involved in inflammatory processes are produced from arachidonic acid by ?

- A) Cyclooxygenase 1
- B) Cyclooxygenase 2
- C) Glutathione – S – transferase
- D) Lipoxygenase
- E) Phospholipase A2

Ans: B

A 70-year-old man suffers a myocardial infarction (MI). He is admitted to the cardiac intensive care unit and is given aspirin and a  $\beta$  blocker. A catheterization procedure is scheduled. The patient's wife, who is a pharmacy technician, wants to know why the patient is being given aspirin and not another nonsteroidal anti-inflammatory drug (NSAID). What is the best answer to this question:

- A) Aspirin inhibits both COX-1 and COX-2
- B) Aspirin irreversibly binds to its binding site on the enzyme
- C) Aspirin is a weak acid
- D) Aspirin is excreted by the kidneys
- E) Aspirin has much greater antithrombotic activity

Ans: E

- Which of the following NSAIDs is a selective COX-2 inhibitor ?
  - A) Piroxicam
  - B) Indomethacin
  - C) Celecoxib
  - D) Diclofenac

Which of the following statements is true regarding NSAIDs:

- A) COX-2 inhibitors are associated with increased gastric acid secretion
- B) Aspirin reversibly inhibits COX-1 resulting in increased thromboxane A2 levels
- C) Celecoxib is administered IV and can be used for cardiovascular prevention
- D) Aspirin should be avoided in patients < 18 years old with varicella or influenza



NSAID induced ulcer are treated by:

- A) Antacids
- B) H2 blockers
- C) Misoprostol
- D) PPI (proton pump inhibitors)

# Additional Q

اللهم صلِّ وسلم وبارك  
على نبيِّنا محمد

Which one of these drugs can inhibit lipooxygenase ?

- A) Aspirin
- B) Monotelukast
- C) Steroids
- D) Zileuton

Ans: D

High doses of Aspirin is more selective to COX 1 ?

- A) True
- B) False

Aspirin is indicated as appropriate therapy for one of these patient

- A) Pregnant women in ninth month
- B) Child with viral infection
- C) Patient with cardiovascular disease
- D) Epilepsy patient

Thrombotic complications of selective COX 2 inhibitors are ?

- A) Increased
- B) Decreased
- C) Non

Ans: A

Reye's syndrome is an adverse effect of :

- A) Sundilac
- B) Paracetamol
- C) Aspirin
- D) Ibuprofen

The Constitutive COX1 enzyme responsible for :

- A) Platelet aggregation
- B) Gastrointestinal cytoprotection
- C) Renal blood flow maintenance & electrolytes homeostasis
- D) All of the above



Mechanism of Antipyretic effect of Aspirin is :

- A) Decrease PGE<sub>2</sub> synthesis in the hypothalamus
- B) Decrease the hypothalamus response to interleukin- 1
- C) All of the above

Aspirin is :

- A) Non selective & reversible COX inhibitor
- B) selective & irreversible COX inhibitor
- C) Non selective & irreversible COX inhibitor
- D) selective & reversible COX inhibitor

Ans: C

One of the following is not from NSAID :

- A) Meloxicam
- B) Celecoxib
- C) Naproxen
- D) Ibuprofen
- E) Paracetamol

Ans: E

The Dopamine scientific team is the best team in:

- A) Jordan
- B) The world
- C) The Milky Way galaxy
- D) Other answer

Ans:

For any feedback, scan the code or click on it.



Corrections from previous versions:

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

## Additional Resources:

## رسالة من الفريق العلمي:

سبحانك اللهم وبحمدك، أشهد أن لا إله إلا أنت أستغفرك وأتوب إليك

صَوْمًا مَقْبُولًا  
وَذَنْبًا مَغْفُورًا  
وَإِفْطَارًا شَهِيًّا

إِنَّ لِلصَّائِمِ دَعْوَةً لَا تُرَدُّ حَتَّى يُفْطِرَ ..  
اللهم اعتق رقابنا ورقاب والدينا من النار  
اللهم إِنَّكَ عَفُوٌّ تُحِبُّ الْعَفْوَ فَاعْفُ عَنَّا  
اللهم صل وسلم على محمد وآل محمد  
استغفر الله واتوب إليه  
سبحان الله وبحمده سبحان الله العظيم  
اللهم اغفر لنا ذنوبنا وتخطى عن سيئاتنا  
اللهم ارزقنا توبةً نصوحةً قبل الموت  
اللهم يا مقلب القلوب ثبت قلوبنا على دينك  
وفقم الله  
وتقبل منكم !❤️