



# FACULTY OF CLINICAL SCIENCE: PHARMACOLOGY AND THERAPEUTICS,

Questions **Responses** 11

Total points: 100

## 11 responses



Accepting responses

Summary

Question

**Individual**

mutindicharles9@gmail.com

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44 of 100 points



Score released Apr 30 7:40 AM

[Release score](#)

# FACULTY OF CLINICAL SCIENCE: PHARMACOLOGY AND THERAPEUTICS,

DURATION:2 HOURS

CALL OR TEXT 0721342959 FOR CLARITY

\* Required

Email address \*

mutindicharles9@gmail.com

0 of 0 points

NAME \*

/ 0

@WINNY

Add individual feedback

CAMPUS \*

/ 0

voi

Add individual feedback

GENDER \*

/ 0

 Female Male

Add individual feedback

MCQ

16 of 32 points

✓ Which of the following is incorrect about B-lactam antibiotics? \*

4 / 4

- all have unique 4 -member B-lactam ring
- they share features of chemistry and mechanism of action
- all canbe destroyed by B-lactamases
- they include penicillins and cephalosporins



Add individual feedback

✘ one of the following is not used in the first line TB treatment in Kenya which one? \* 0 / 4

- isonized
- Rifampicin
- Ethambutol
- cytocloserine

✘

Correct answer

- cytocloserine

Add individual feedback

✔ When choosing an antimicrobial a clinician must consider the following broad factors, EXCEPT \* 4 / 4

- patient factors
- drug factors
- pathogens factors
- none of the above

✔

Add individual feedback

✓ choose the one statement that is not correct about the antifungal \*

4 / 4

- Terbinafines belongs to allylamines
- AmphotericinB binds to ergosterol permitting rapid leakage through pores
- Griseofulvin binds microtubule proteins terefore inhibiting cell wall synthesis
- Nystatin has excellent serum bioavallability >90% after oral administration



Add individual feedback

✗ about acyclovir, which statement is untrue \*

0 / 4

- it is apro drug and must be phosphorylated to be active
- its the drug of choice fo herpessimplex -2 infection
- it is available in both oral and topical forms as well as IV formulations
- its used in the first line treatment of HIV-2



Correct answer

- its used in the first line treatment of HIV-2

Add individual feedback

✓ The following statement are true about Azidothymine (AZT), which one is not? \* 4 / 4

- it is also referred to as Zidovudine
- A deoxythymine analog
- the first ARV to be lisenced by the FDA
- Commonly associated with nightmares



Add individual feedback

✗ one of the following drugs is used in both chronic hapatitis B and HIV infections, which one? \* 0 / 4

- Atazanavir
- lamivudine
- Amantadine
- valacyclovir



Correct answer

- lamivudine

Add individual feedback

✘ The following agent act by modulating the host immune response towards viral infectious? \*

/ 4

- Foscarnet
- Vidarabine
- Interferons
- Acyclovir

✘

No correct answers

Add individual feedback

which of the following statements is not true about effective antiviral treatment? \*

/ 0

- the drug must act intracellular
- Viruses use host biochemical machinery for their replication hence a lot of side effects
- host immune response plays a key role in the success of treatment
- it's not advisable to initiate treatment early before the virus has spread wide enough

Add individual feedback

the following are side effects associated with the antiviral drug vidarabine EXCEPT? \*

/ 0

- Lacrimation
- Diarrhea
- irritation
- photophobia

Add individual feedback

### SECTION 3: TRUE/FALSE

28 of 68 points

✗ The following are Beta-lactamase inhibitors EXCEPT? \*

0 / 4

- CLavulanic acid
- acetic acid
- Salbuctam
- Amoxicilin
- Tolbuctam

✓

✗

Correct answer

- CLavulanic acid
- Salbuctam
- Tolbuctam

Add individual feedback

✗ Example of Azole group of antifungal drugs are? \*

0 / 4

- terbinafine
- Omeprazole
- clotrimazole
- fluconazole
- Metronidazole

✗

✓

✓

Correct answer

- clotrimazole
- fluconazole

Add individual feedback

✗ Lamivudine (3TC) is \*

0 / 4

- cytosine analog
- Toxic epidermal necrosis (TEN) is common among users
- is associated with severe bone marrow depression
- has synergeticHIV-! activity with other, ARVs, like AZT,ABC
- has activity against hepatitis B virus (HBV)

✓

✗

✓

Correct answer

- cytosine analog
- has synergeticHIV-! activity with other, ARVs, like AZT,ABC
- has activity against hepatitis B virus (HBV)

Add individual feedback



✘ True about non-nucleoside reverse transcriptase inhibitors \*

0 / 4

- they bind directly onto a site on the bHIV-1 transcriptase enzyme leading to blockage of DNA
- there binding site is near but different from that of NRTIs ✓
- they dont require phosphorylation to be active ✓
- resistance to NNRTIs monotherapy ✘
- nevirapine is an example

Correct answer

- they bind directly onto a site on the bHIV-1 transcriptase enzyme leading to blockage of DNA
- there binding site is near but different from that of NRTIs
- they dont require phosphorylation to be active
- nevirapine is an example

Add individual feedback

✓ the following advers drug reaction maybe associated with Efavirenz except? \*

4 / 4

- deafness ✓
- drowsiness
- lipodystrophy
- nightmares
- jaundice ✓

Add individual feedback

✘ anti influenza drugs include the following \*

0 / 4

amantadine

rimantadine

zanamivir

oseltamivir

ganciclovir



Correct answer

amantadine

rimantadine

zanamivir

oseltamivir

Add individual feedback

✗ the drugs below are indicated for cytomegalovirus infection Except ? \*

0 / 4

- gancyclovir
- valgancyclovir
- foscarnet
- zidovudine
- none of the above



Correct answer

- foscarnet
- zidovudine

Add individual feedback

✗ in highly active antiretroviral therapy ( HAART) the syndrome of body fat redistribution and accumulation including dorsocervical fat enlargement (buffalo hump) and cushingoid appearance is associated with which drug(s) \*

0 / 4

- lopinavir/ritonavir
- tenofovir disoproxil fumarate (Tdf)
- Lamivudine
- Emtricitabine
- Dolutegravir



Correct answer

- lopinavir/ritonavir

Add individual feedback

✓ according to their antigenic and physical properties , interferons are \*

4 / 4

alfa

✓

beta

✓

gamma

✓

zeta

omega

Add individual feedback

✗ which one of the following HAART drugs has the best safety profile and is found in most \*

0 / 4

Zidovudine

Lamivudine

Abacavir

✗

Lopinovir

✗

Efavirenz

✗

Correct answer

Lamivudine

Add individual feedback

✗ drugs are only removed from the body after being partley or wholly converted to water soluble metabolites \* 0 / 4

true



false

Correct answer

false

Add individual feedback

✓ among the listed organs, which one is the major organ of drug excretion? \* 4 / 4

kidney



Biliary tract

Intestines

skin

Add individual feedback

✓ which of the following processes of drug filtration does not require energy? \* 4 / 4

Passive glomerular filtration



Active tubular secretion

Passive diffusion across the tubules



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✓ which of the listed drug substances are strongly transfer by the proximal renal tubule from the plasma to the renal fluid due to their charge \* 4 / 4

- frusemide
- Lamivudine
- Emtricitabine



Add individual feedback

✓ which of the following drugs are excreted by the Biliary tract \* 4 / 4

- Erythromycin
- Doxycycline
- Minocycline
- barbiturates



Add individual feedback

✓ the pH of saliva varies from 5.8 to 8.4 \* 4 / 4

- true
- false



Add individual feedback

✘ substances with molecular weight less than 10,000 are excluded from glomerulus filtrate \* 0 / 4

True



False

Correct answer

False

Add individual feedback

SHORT ANSWER QUESTIONS (OPTIONAL)

0 of 0 points

FOR PERSONAL REVISION NO GRADINGS

1 a) state the commonest side effect of Atazanavir and the clinical presentation / 0

no .....

Add individual feedback

b) explain the benefit of combining lopinavir with sub-therapeutic dose of ritonavir / 0

no .....

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why is alcohol contraindicated in patients on HIV treatment with abacavir (ABC) / 0

no .....

Add individual feedback

write a short notes on the following? a)post exposure prophylaxis b) Pre Exposure prophylaxis

/ 0

no

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what is anti-microbial resistance (AMR)

/ 0

no

Add individual feedback

state 2 irrational ways by which the clinician may contribute to the development of AMR?

/ 0

no

Add individual feedback

state 2 mechanism by which pathogens may develop resistance towards antibiotics

/ 0

no

Add individual feedback

Submitted 4/30/21, 7:40 AM