

M.D. Neurology Exam.

Pharmacology department
Faculty of Medicine
Tanta University

Date: 15-8-2016
Time allowed: 1 hour
Number of Questions: 3
Total : 45 marks



Answer all the following questions

1. Give an account on: [8 marks]

- Explain the mechanisms of action, major adverse effects, and contraindications to the use of L-dopa and carbidopa combination (Sinemet) to treat Parkinson disease.
- Between monotherapy and polytherapy, when it comes to anti-epileptic drugs (AEDs) which one is preferred? What are the potential disadvantages with the other one?

2. Mention the lines of treatment of the following: [10 marks]

- Pharmacotherapy of Alzheimer disease
- Pharmacotherapy of Multiple sclerosis.

3. Give reason: [3 marks]

- Ethosuximide is the drug of choice in petit mal epilepsy.
- Wearing off effect in patients of Parkinson treated with levodopa.
- Atropine should be given before neostigmine in treatment of myasthenia gravis.

4. M.C.Q.: [24 marks]

1. Indicate the drug that induces parkinsonian syndromes:

- Chlorpromazine
- Diazepam
- Triazolam
- Carbamazepine.

2. All of the following statements are correct, EXCEPT:

- Diazepam increases the affinity of GABA for its binding site.
- Benzodiazepines cause confusion.
- Diazepam is used to relieve muscle spasm & spasticity.
- Midazolam is used for treatment of grand-mal epilepsy.

3. Which of the following agents is the most helpful in counteracting the behavioral complications of levodopa?

- Tolcapone
- Clozapine
- Carbidopa
- Pergolide

4. Which of the following statements is CORRECT?

- MAO-A metabolizes dopamine; MAO-B metabolizes serotonin
- MAO-A metabolizes norepinephrine and dopamine; MAO-B metabolizes serotonin
- MAO-A metabolizes norepinephrine and serotonin; MAO-B metabolizes dopamine
- MAO-A metabolizes dopamine; MAO-B metabolizes norepinephrine and serotonin.

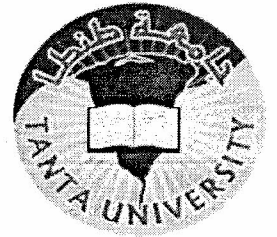
5. A patient presented with insomnia 2 months post myocardial infarction. What is the recommended treatment for this patient?
- Zolpidem.
 - Diazepam.
 - Antihistamines.
 - Nothing.
6. What is the best treatment for hypertension associated with migraine?
- Propranolol.
 - Verapamil.
 - Lisinopril.
 - Furosemid .
7. Phenytoin:
- Is subjected only to first order kinetics
 - Enhance its own metabolism
 - Inhibit its own metabolism
 - Has few side effect
8. Its antiseizure effectiveness is due to its metabolism to phenobarbitone:
- phenytoin.
 - primidone.
 - Diazepam.
 - Lamotrigine.
9. In contrast to morphine, methadone:
- Causes tolerance and physical dependence more slowly
 - Is more effective orally
 - Withdrawal is less severe, although more prolonged
 - All of the above.
10. All of the following are false for buspirone **EXCEPT**:
- It is a rapidly acting anxiolytic useful in management of acute panic attacks.
 - It has both anxiolytic and sedative effects.
 - It produces physical dependence.
 - It has no anticonvulsant or skeletal muscle relaxant effect.
11. Barbiturates:
- Potentiate analgesic effect of aspirin.
 - Antagonize analgesic effect of aspirin.
 - Do not affect pharmacological actions of aspirin.
 - Synergize analgesic effects of aspirin.
12. Antiepileptic drug, chemically derived from the tricyclic antidepressant is:
- Carbamazepine.
 - Ethosuximide.
 - Phenytoin.
 - None of the above

=====

GOOD LUCK☺

امتحان الشفوى بالقسم السبت 2018 / 9 / 1 الساعة 9 صباحا

Examination for M.D. degree in neuropsychiatry
Course title: Genetics
Time allowed: 1 hour
Total marks: 45 degrees



ALL QUESTIONS MUST BE ANSWERED

1. Write short account on the following

1. Gene therapy (7 marks)
2. Genetic bases of epilepsy (13 marks)
3. Enumerate the genes involved in the pathogenesis of congenital myopathy, and discuss the role of two in the disease (13 marks)

2. Describe Mitochondrial DNA and discuss shortly its role in neurological degenerative disorders (12 marks)

Best wishes

Prof. Dr. Sahar Hammada
Prof. Dr. Manal Eid

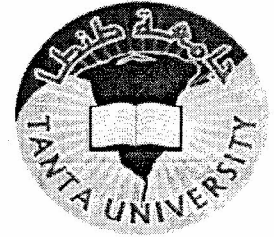
د. سحر حمودة

Manal Eid.

wednesday

- Oral Exam on ~~Wednesday~~ ^{Wednesday} 15th of August

Examination for M.D. degree in neuropsychiatry
Course title: Genetics
Time allowed: 1 hour
Total marks: 45 degrees



ALL QUESTIONS MUST BE ANSWERED

1. Write short account on the following

1. Gene therapy (7 marks)
2. Genetic bases of epilepsy (13 marks)
3. Enumerate the genes involved in the pathogenesis of congenital myopathy, and discuss the role of two in the disease (13 marks)

2. Describe Mitochondrial DNA and discuss shortly its role in neurological degenerative disorders (12 marks)

Best wishes

Prof. Dr. Sahar Hammoda
Prof. Dr. Manal Eid

د. سحر حمودا

Manal Eid.

wednesday

- Oral Exam on ~~Wednesday~~ *wednesday* 15th of August