

MCQ's for Workshop I

1. Which of the following is incorrect?

- A Cade 1949 Lithium
  - B Janssen 1958 haloperidol
  - C Meduna 1931 Reserpine
  - D Kane 1988 Clozapine
  - E Kuhn 1958 imipramine
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2. Which of the following has low bioavailability (<50%):

- A Imipramine
  - B Fluphenazine
  - C Clozapine
  - D Amisulpiride
  - E All of the above
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3. Which of the following structures is not protected by the blood brain barrier?

- A Lateral geniculate nucleus
  - B Insula
  - C Posterior pituitary
  - D Temporal pole
  - E Caudate nucleus
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4. 1000mg of a drug is given to a 50kg patient. The current plasma concentration is 10mg/L. The volume of distribution is :

- 2mg/L
- 20mg/L
- 200mg/L
- 500mg/L
- 5000mg/L

5. Which of the following is a phase II metabolic reaction?

- A Oxidation
  - B Methylation
  - C Reduction
  - D Hydrolysis
  - E Dephosphorylation
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6. HGV driver wishes to take a sedative to aid sleep. There can be no morning grogginess. Which of the following is most suitable?

- A Zopiclone
  - B Zaleplon
  - C Zolpidem
  - D Quetiapine
  - E Temazepam
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7. The time taken for a drug to reach steady state:

- 2-3 half lives
  - 3-4 half lives
  - 4-5 half lives
  - 5-6 half lives
  - 6-7 half lives
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8. Which ethnic group is prone to rapid 2D6 metabolism?

- A East Asians
- B North Africans
- C Caucasians
- D South Asians
- E South American natives

9. Which of the following can increase clozapine levels

A Carbamazepine

B Smoking

C Mirtazepine

D Fluvoxamine

E Gabapentin

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A Haloperidol

B Zuclopenthixol

C Zopiclone

D Risperidone

E Fluphenazine

F Diazepam

G Quetiapine

H Chlorpromazine

Which of the above is a

10 Benzisoxathole

11 Butyrophenone

12 Phenothiazine

13 Piperazine

14 Thioxanthene

15 Cyclopyrrolone

16 Dibenzothiazepine

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17. Which of the following is most likely to exacerbate acute angle glaucoma?

A Setraline

B Paroxetine

- C Citalopram
  - D Fluvoxamine
  - E Escitalopram
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18. A patient experiencing alcohol withdrawal requires treatment. Liver function tests suggest hepatic failure. Which of the following is most suitable?

- A Diazepam
  - B Promethazine
  - C Lorazepam
  - D Zopiclone
  - E Nitrazepam
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19. A patient experiencing relapse of psychosis requires treatment. Liver function tests suggest hepatic failure. Which of the following is most suitable?

- A Quetiapine
  - B Olanzapine
  - C Amisulpiride
  - D Risperidone
  - E Clozapine
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20. Mr Johnson takes Tranylcypromine. Which of the following does not need to be avoided?

- A Red wine
- B Cheddar cheese
- C Grapefruit juice
- D Pepperoni
- E Marmite

21. Mrs Jones takes Lithium 800mg nocte. Her blood pressure is 168/100. Which medication is most suitable?

A Bendroflumethiazide

B Amiloride

C Valsartan

D Lisinopril

E Metolazone

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22. Which of the following most commonly raises prolactin?

A Clozapine

B Risperidone

C Olanzapine

D Aripiprazole

E Quetiapine

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A Reboxetine

B Duloxetine

C Phenelzine

D Amitryptiline

E Mirtazepine

F Mianserin

G Trazodone

H Escitalopram

I Agomelatine

J Nortryptiline

Which of the following is a :

23 Selective serotonin reuptake inhibitor

24 Tertiary amine

25 Noradrenaline and specific serotonin agonist?

26 Melatonin receptor agonist

27 Monoamine Oxidase inhibitor

28 Selective noradrenaline reuptake inhibitor

29 Secondary amine

30 Serotonin antagonist and reuptake inhibitor

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31. Which of the following is a contra indication to phenelzine?

A Rheumatoid arthritis

B Addison's disease

C Pheochromocytoma

D Diabetes insipidus

E Polycystic ovary syndrome

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32. Which medication is least likely to affect QTc

A Clozapine

B Risperidone

C Olanzapine

D Aripiprazole

E Quetiapine

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33. SSRI with least interactions

A Citalopram

B Fluoxetine

C Sertraline

D Paroxetine

E Mirtazepine

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34. Which medication has the longest half life

A Nitrazepam

B Temazepam

C Alprazolam

D Venlafaxine

E Lorazepam

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35. Which antidepressant is least likely to cause hyponatraemia

Mirtazepine

Amitryptiline

Fluoxetine

Agomelatine

Setrtraline

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