

# Use of anticonvulsants as prophylaxis for seizures in patients on clozapine

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1. Which investigation is most useful in predicting the risk of seizures resulting from clozapine therapy?
  - A. CYP1A2 enzyme levels
  - B. Clozapine levels
  - C. Neutrophil count
  - D. Echocardiography
  - E. Prolactin levels
  
2. Which of the following most closely represents the authors' recommendations regarding which patients should be offered primary prophylaxis of seizures with anticonvulsants?
  - A. Most patients with blood levels  $\geq 600$  ng/ml
  - B. Most patients with blood levels  $\geq 1300$  ng/ml
  - C. Most patients on doses  $\geq 600$ mg /d who are also smokers
  - D. Selected patients who have a prior history of seizures together with blood levels of clozapine  $\geq 1300$  ng/ml
  - E. Selected patients on doses  $\geq 600$ mg/d who are also smokers
  
3. Psychotropic medication and seizures.
 

Options:

  - A. Risperidone
  - B. Fluvoxamine
  - C. Sertraline
  - D. Asenapine
  - E. Clozapine
  - F. Lamotrigine
  - G. Fluoxetine
  - H. Phenytoin
  - I. Paroxetine
  - J. Sodium valproate
  - K. Carbamazepine

For each of the following questions choose the most appropriate option.

  - i). Which medication is associated with the highest risk of seizures?
  - ii). You want to prescribe anti-obsessional medication for a 29 year old male who has developed disabling checking compulsions whilst taking clozapine for treatment resistant schizophrenia. Considering the patient had a seizure two months ago, which medication is the best choice?
  - iii). All things considered, which anticonvulsant is likely to be the safest choice for a patient taking clozapine?

Answers:

1. B)
2. D)
3. i) E)  
 ii) C)  
 iii) J)