



International Journal of Gerontology

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CME for 13.4

1. Glutamate can activate the following receptors, EXCEPT:
 - (A) Metabotropic glutamate receptors (mGluRs)
 - (B) N-methyl-D-aspartate receptor (NMDAR)
 - (C) Kainate receptor (GluK1-5)
 - (D) GABA_A receptor
 - (E) Amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor (AMPA)
 2. Which of the following antidepressants is mainly acting on the NMDA receptor?
 - (A) Fluoxetine
 - (B) Trazodone
 - (C) Ketamine
 - (D) Mirtazapine
 - (E) Agomelatine
 3. Which of the following mechanisms involves in the late life depression?
 - (A) Cytokines
 - (B) Neurotoxicity
 - (C) Serotonin
 - (D) Ageing process
 - (E) All of the above
 4. In Taiwan, the prevalence of late life depression is estimated to be:
 - (A) 43–50%
 - (B) 2–4%
 - (C) 13–26%
 - (D) Less than 1%
 - (E) More than 70%
 5. Which of the following statement on the mindfulness is WRONG?
 - (A) Mindfulness practice has been used to prevent depressive illness
 - (B) In 1979, Kabat-Zinn created a mindfulness-based stress reduction (MBSR) program
 - (C) Mindfulness-based stress reduction (MBSR) program includes sitting meditation, body scans, mindful yoga, and walking meditations
 - (D) Mindfulness is not useful for physical disorders, such as chronic pain
 - (E) Mechanisms of mindfulness might involve the glutamatergic system
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Volume 13 Issue 3 Answers:

1. (E)
2. (E)
3. (D)
4. (E)
5. (A)