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Metabolic adverse effects of olanzapine on cognitive dysfunction: a possible relationship between BDNF and TNF-alpha

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Highlights

- 44% patients receiving long-term olanzapine monotherapy met the diagnosis criteria for metabolic syndrome (MetS).
- Patients with MetS had worse attention and memory performance than those without MetS.
- Increasing glucose level is an independent risk factor for cognitive dysfunction.
- Patients with MetS had lower BDNF and higher TNF-alpha levels than those without MetS.
- There is a negative correlation between the BDNF and TNF-alpha levels.

Abstract

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