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Title: Beneficial Effect of Etazolate on Depression-like Behavior and, Learning, and Memory Impairment in a Model of Parkinson's Disease

Authors: Karem H. Alzoubi, Enas Mokhmer, Amjad N. Abuirmeileh

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## **Beneficial Effect of Etazolate on Depression-like Behavior and, Learning, and Memory Impairment in a Model of Parkinson's Disease**

**Running title:** Etazolate and Parkinson's-induced learning and memory impairment

Karem. H. Alzoubi<sup>1,\*</sup>, PhD, Enas Mokhemer<sup>1</sup>, Msc, Amjad N. Abuirmeileh<sup>2</sup>, PhD

<sup>1</sup>Department of Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Science and Technology, Irbid, Jordan

<sup>2</sup>Department of Applied Pharmaceutical Sciences, Faculty of Pharmacy, Israa University, Amman, Jordan

**\*Corresponding Author:** Karem Alzoubi, PhD, Professor of Pharmacology, Department of Clinical Pharmacy, Faculty of Pharmacy, Jordan University of Science and Technology, Irbid, Jordan 22110, Tel.: +962-2-7201000 Ext.: (23525), Fax: +962-2-7201075

E-mail: khalzoubi@just.edu.jo

### **Abstract**

The aim of this study was to evaluate etazolate against depression-like behavior and, learning and memory impairment induced by 6- hydroxydopamine (6-OHDA) rat model of Parkinson's disease (PD). This aim was achieved through comparing 6-OHDA lesioned rats in the presence and absence of etazolate. The 6-OHDA was used to induce lesion as a model of PD. Etazolate was administered at a dose of 1mg/kg/day for 14 days, starting 7

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