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PII: S0165-0327(17)31223-5
DOI: <https://doi.org/10.1016/j.jad.2017.11.034>
Reference: JAD9348

To appear in: *Journal of Affective Disorders*

Received date: 16 June 2017
Revised date: 25 August 2017
Accepted date: 8 November 2017

Cite this article as: Minling Zhang, Robert Rosenheck, Xiaoming Lin, Qirong Li, Yanling Zhou, Yunshan Xiao, Xiong Huang, Ni Fan and Hongbo He, A Randomized Clinical Trial of adjunctive ketamine anesthesia in Electro-Convulsive Therapy for Depression, *Journal of Affective Disorders*, <https://doi.org/10.1016/j.jad.2017.11.034>

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**A Randomized Clinical Trial of adjunctive ketamine anesthesia in
Electro-Convulsive Therapy for Depression**

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Abstract

Background:

Electroconvulsive therapy (ECT) is a rapid acting and effective treatment for both major depressive disorder (MDD) and bipolar disorder (BP). Both propofol and ketamine are commonly used anesthetic agents but recent clinical studies suggest that ketamine has rapid-acting antidepressant properties, itself, at sub-anesthetic doses.

Methods:

A total of 77 inpatients (41 MDD and 36 BP) were randomly assigned to receive ECT with propofol (1mg/kg) anesthesia or with ketamine (0.5mg/kg) plus propofol

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