

# Author's Accepted Manuscript

Adjunctive therapy with statins in schizophrenia patients: a meta-analysis and implications

Hong Shen, Rui Li, Rong Yan, Xia Zhou, Xia Feng, Mengjie Zhao, Hong Xiao



PII: S0165-1781(17)31544-5  
DOI: <https://doi.org/10.1016/j.psychres.2018.02.018>  
Reference: PSY11192

To appear in: *Psychiatry Research*

Received date: 21 August 2017  
Revised date: 13 January 2018  
Accepted date: 2 February 2018

Cite this article as: Hong Shen, Rui Li, Rong Yan, Xia Zhou, Xia Feng, Mengjie Zhao and Hong Xiao, Adjunctive therapy with statins in schizophrenia patients: a meta-analysis and implications, *Psychiatry Research*, <https://doi.org/10.1016/j.psychres.2018.02.018>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Adjunctive therapy with statins in schizophrenia patients: a meta-analysis and implications

Hong Shen<sup>a,\*,#</sup>, Ph D; Rui Li<sup>b,#</sup>, Ph D; Rong Yan<sup>c</sup>; Xia Zhou<sup>a</sup>; Xia Feng<sup>d</sup>; Mengjie Zhao<sup>a</sup>; Hong Xiao<sup>a,\*</sup>, Ph D

a. Neuro-psychiatric Institute, The Affiliated Brain Hospital of Nanjing Medical University, 264# Guangzhou Road, Nanjing, China;

b. School of Pharmacy, Nanjing Medical University, Nanjing, 140# Hanzhong Road, Nanjing, China;

c. Faculty of Health, University Of Canberra, University Drive, Bruce ACT, Canberra, Australia;

d. Department of Pharmacy, The Affiliated Brain Hospital of Nanjing Medical University, 264# Guangzhou Road, Nanjing, China;

\* Hong Shen and Hong Xiao, as Corresponding author, contributed equally to this study;

# Hong Shen and Rui Li, as the first author, contributed equally to this study.

Correspondence to:

Hong Shen, Neuro-psychiatric Institute, The Affiliated Brain Hospital of Nanjing Medical University, 264# Guangzhou Road, Nanjing, China. shenhong\_nbh@sina.com;

Hong Xiao, Neuro-psychiatric Institute, The Affiliated Brain Hospital of Nanjing Medical University, 264# Guangzhou Road, Nanjing, China. xhnkyy123@163.com.

### ABSTRACT:

There are some conflicting results regarding the benefit of adjunctive therapy with statins for severity of negative symptoms in schizophrenia. This study aimed to verify whether statins use for adjunctive therapy was indeed beneficial to improve psychiatric symptoms in schizophrenia. The data were from CENTRAL, PubMed, Embase and MEDLINE. The Boolean search term used for the electronic database search was (statin OR simvastatin OR atorvastatin OR fluvastatin OR lovastatin OR mevastatin OR pitavastatin OR pravastatin OR rosuvastatin OR cerivastatin) and (schizophrenia OR schizoaffective disorder OR psychosis). Inclusion criteria were the following: RCTs, the adult schizophrenia patients, received antipsychotics plus statins or placebo, and the PANSS or SANS scores. Exclusion criteria were as follows: no data reported and multiple reports of the same study. A meta-analysis was used to compare psychiatric symptoms in schizophrenia patients with or without statins adjunctive therapy. The 6 RCTs included in the analysis represented 339 participants (169 in treatment group versus 170 in placebo group). A test for overall effect demonstrated that the PANSS positive scale and negative scale significantly reduced in participants receiving compliant with statins. Our meta-analyses first clarified that adjunctive therapy with statins could improve psychiatric symptoms, either negative symptoms or positive symptoms.

**Keywords:** statins; simvastatin; antipsychotics; schizophrenia; a meta-analysis

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات