INPLASY

Efficacy and safety of lumateperone in the treatment of schizophrenia and bipolar disorder: a systematic review and meta-analysis

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INTRODUCTION

*R*eview question / Objective Efficacy and safety of lumateperone in the treatment of schizophrenia and bipolar disorder.

Condition being studied Lumateperone is a new antipsychotic, and there have been numerous randomized controlled trials on lumateperone. Still, there has been no meta-analysis to discuss in detail the efficacy and safety of lumateperone in treating psychiatric disorders.Lumateperone is a new antipsychotic, and there have been numerous randomized controlled trials on lumateperone. Still, there has been no meta-analysis to discuss in detail the efficacy and safety of lumateperone in treating psychiatric disorders.Lumateperone is a new antipsychotic, and there have been numerous randomised efficacy and safety of lumateperone in the treatment of psychiatric disorders.

METHODS

Participant or population diagnosis of schizophrenia or Bipolar disorder according to the Diagnostic and Statistical Manual of Mental Disorder (DSM) 5th edition.

Intervention Lumateperone.

Comparator Placebo.

Study designs to be included Efficacy and safety of lumateperone in the treatment of schizophrenia and bipolar disorder.

Eligibility criteria See the Method in the main text for details.

Information sources We searched Embanse, pubmed, and corchane databases for all randomized controlled trials, and analyzed

previous meta-included articles to avoid omissions.

Main outcome(s) Total PANSS, MADRS total score.

Quality assessment / Risk of bias analysis The risk of bias plot for individual studies was assessed with the Review Manager 5.3 software.

Strategy of data synthesis Review Manager 5.3 software was used for all statistical analyses. Continuous and dichotomous variables have been presented as mean difference (MD) and risk ratios (RR) with 95% confidence intervals (CIs).

Subgroup analysis We divide mental illness into schizophrenia and bipolar disorder.

Sensitivity analysis We used the reservation-one method and sequentially eliminated RCTS to measure the heterogeneity of the study.

Country(ies) involved China.

Keywords Lumateperone; Schizophrenia; Bipolar disorder; Systematic review; Meta-analysis.

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