Bipolar treatment efficacy - maintenance matches acute episode

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Published as:

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Miura and colleagues report a timely and significant systematic review and network meta-analysis of maintenance treatments for bipolar disorder.¹ They usefully differentiate the effects of medications on manic/mixed episodes and depressive episodes.

What seems quite striking is how well these differences in maintenance efficacy match those described for the same agents in the treatment of acute episodes, whether manic or depressive. Simply plotting the best estimates of effect versus placebo on relapse prevention against response rates for acute episodes reported in other network meta-analyses²³ (Figure) reveals very substantial correlation for manic/mixed episodes (r -.91, p .01) and a similar trend for depressive episodes (r -.79, p .06).

This concordance between acute and maintenance efficacy provides further support for the case that these analyses reveal true differences between agents rather than being driven by methodological artifact, and may have implications for the design of future mechanistic studies.
Figure. Relative efficacy of active treatments versus placebo for bipolar disorder. Response rates for acute episodes versus relative risk of relapse with 95% Confidence Intervals for manic/mixed episodes (upper panel) and depressive episodes (lower panel). Best fit linear regression indicated with dotted line.
Conflict of interest statement

Dr Taylor reports personal fees from BMS and Otsuka, outside the submitted work, and a family member is an employee of GlaxoSmithKline.

Role of funding source

Dr Taylor is funded in part by the National Institute for Health Research (NIHR) Biomedical Research Centre at South London and Maudsley NHS Foundation Trust and King's College London. The funder played no role in the preparation of this correspondence. The views expressed are those of the author and not necessarily those of the NHS, the NIHR or the Department of Health.
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