Reviewer's report

**Title:** Bipolar patient treated with lithium, haloperidol and benztropine during pregnancy presented with unexpected depletion in plasma choline and phosphatidylcholine: a case report

**Version:** 2  **Date:** 12 November 2007

**Reviewer:** Iain Macmillan

I am familiar with the literature and believe that this case meets one of the 7 criteria for evaluation in the journal: An unexpected event in the course of observing or treating a patient

**Has the case been reported coherently?:** No

**Is the case report authentic?:** Yes

**Is this case worth reporting?:** Yes

**Is the case report persuasive?:** No

**Does the case report have explanatory value?:** No

**Does the case report have diagnostic value?:** No

**Will the case report make a difference to clinical practice?:** No

**Comments to authors:**

**General**

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Revisions necessary for publication

The authors present a case of weight loss, hypertension, low birthweight baby and low placental weight in the pregnancy of a lady with bipolar disorder, treated with Lithium, Haloperidol and Procyclidine, with a finding of lowered plasma choline and phosphatidylcholine.

They compare serum choline and phosphatidylcholine as well as placental and infant weights to a "control" group of 3.

They conclude that pharmacotherapies may be responsible for the observed decrease in serum.

Overall the presentation is rather disjointed and it is unclear what point the authors wish to make - as it stands, I read it as an almost incidental finding of
biochemical abnormalities in a pregnancy with complications, which may or may not be related to drug treatments.

**What next?:** Revise and resubmit

**Quality of written English:** Acceptable