Reviewer's report

Title: Hypersensitivity to Intravenous Ondansetron in a 19 year old female: Case Report

Version: 2 Date: 16 April 2008

Reviewer: Parthasarathi Gurumurthy

I am familiar with the literature and believe that this case meets one of the 9 criteria for evaluation in the journal: Other

If other, please specify:

Off label use of Ondansetron is often observed in our practice. This case report may shed more light on this potential ADR and caution the prescribers to be alert.

Has the case been reported coherently?: Yes

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?: Yes

Is the anonymity of the patient protected?: Yes

Comments to authors:

1. Authors have used the term Anaphylaxis in the title and later in the text [Introduction of abstract and article and under discussion] call it as IgE mediated anaphylactoid reaction. Anaphylactoid reactions are very similar to anaphylaxis but they are not IgE mediated. Both anaphylaxis and anaphylactoid reaction is expected to have involvement of cardiovascular or respiratory system. But there was no hypotension or bronchospasm in this patient. I would rather suggest it as Ondansetron induced Urticaria. The title may suitably be modified.

2. Under discussion on page 6 authors say "we suspect an IgE mediated anaphylactoid reaction to Ondansetron". It is advisable to replace the anaphylactoid reaction with "IgE mediated urticarial reaction". While it is said as
IgE mediated urticarial reaction, we have to demonstrate previous exposure to Ondonsetron or cross reactivity to any other drug. This issue may have to be addressed.

3. On page 6 para 2 last sentence authors say "an immunological component cannot be ruled out as tehere have been reports of positive Lymphocyte Transformation Test to Ondonsetron". This sentence completely reads out of place. What possible relation are the authors trying to draw between Lymphocytes and IgE mediated Type I reaction?

4. As per Naranjo's scale causality assessment score 6 refers to "a Probable reaction" not "possible reaction". This should be corrected.

5. The incidence of IgE mediated urticarial reaction to Ondonsetron is 'rare' but not 'extremely rare'. This may be corrected in the first para of Introduction section.

**Quality of written English**: Needs some language corrections before being published

**Declaration of competing interests**: I declare that I have no competing interests