Reviewer's report

Title: Clinical correlation between premature ovarian failure and chromosomal anomaly in a 22-year-old Caucasian woman: case report

Version: 2 Date: 15 July 2012

Reviewer: Nicole Tartaglia

Which of the following best describes what type of case report this is?: New associations or variations in disease processes

Has the case been reported coherently?: No

Is the case report authentic?: Yes

Is the case report ethical?: Yes

Is there any missing information that you think must be added before publication?: 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:

This is an interesting case in which the authors identified a rare chromosomal translocation which likely explains the cause of premature ovarian failure in a young female patient. The case is interesting and deserving of publication, however the manuscript in its current version is in need of substantial revision by a scientific writer who is fluent in scientific English. There are too many examples to describe and this is important prior to publication.

The discussion is the most important part of the article, and as currently written I do not understand it. It sounds as if they have evidence that the X chromosome that is not translocated is the one that is inactivated in all cells, and if this is the case they should provide additional references for this. I also recommend that they discuss specific genes on the X chromosome proposed to be involved in
POF, and how they may be related to this case.

It is not necessary to explain the details of the MRI if it is normal. A statement describing that the brain MRI (including visualization of the pituitary gland) was normal would be sufficient.

**Quality of written English:** Not suitable for publication unless extensively edited

**Declaration of competing interests:**

I declare that I have no competing interests.