Reviewer's report

Title: Duplication of the ALDH1A2 gene in association with pentalogy of Cantrell

Version: 1 Date: 24 September 2013

Reviewer: Junji Takaya

Which of the following following best describes what type of case report this is?: Findings that shed new light on the possible pathogenesis of a disease or an adverse effect

Has the case been reported coherently?: Yes

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?: No

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

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:

The author reported the case of pentalogy of cantrell. They found the microduplication of chromosome 15q21.3 in the patient. They hypothesized that the gain in copy the ALDH1A2 gene in the present patient and his mother played a role in the development of pentalogy of Cantrell. This article is written well. Because retinoic acid is necessary for cytodifferentiation universally, the discussion lacks in special grounds to be specialized in this disorder.

The discussion is too long, authors should simplify it.

Minor
1) Figure 1: Please add an arrow to make a figure understood easily.
2) Figure 2: It is hard for readers to understand the raw data. Some modification
in presenting data is required.

**Quality of written English:** Acceptable

**Declaration of competing interests:**

I declare that I have no competing interests.