Reviewer's report

**Title:** Primary growth hormone resistance: A case report and unusual syndrome presentation

**Version:** 3  **Date:** 7 June 2010

**Reviewer:** Zvi Laron

Which of the following best describes what type of case report this is?: Unreported or unusual side effects or adverse interactions involving medications

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?: Yes

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

Does the case report have explanatory value?: Yes

Does the case report have diagnostic value?: No

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

Is the anonymity of the patient protected?: Yes

**Comments to authors:**

The authors describe a late diagnosed patient with primary GH insensitivity who also developed hypothyroidism. They could further improve the paper by making the following changes.

1. Title: should read "Primary growth hormone insensitivity (Laron syndrome) and acquired hypothyroidism – A patient report.
2. Keywords are missing.
3. Introduction: The first sentence should read:

"Primary GH insensitivity (Laron syndrome) describes … with demonstrable resistance to …..."
To the last sentence should be added "…..who during treatment developed hypothyroidism".

4. Case presentations, should be changed to "patient presentations"

5. Line 2 add: age and height of parents.

6. Did she receive continuous treatment from age 7 to 129 or 15 as shown on the chart? If so, introduce the word.

7. Discussion: The authors should concentrate on the hypothyroidism, an unusual finding.

Was the MRI abnormal or normal (two were performed with contradictory interpretations). If the MRI is abnormal, it should be illustrated.


9. The growth curve could be replaced by the specific growth chart of this syndrome (author's ref. 6). It would be more informative. The 3rd centile of the Italian standard could be added.

**Quality of written English:** Acceptable

**Declaration of competing interests:**

'I declare that I have no competing interests'