Reviewer’s report

Title: Soy isoflavones inducing overt hypothyroidism in a patient with chronic lymphocytic thyroiditis-Case Report

Version: 0 Date: 13 Jun 2017

Reviewer: Vishnu Garla

Reviewer's report:

1. Do you believe the case report is authentic?

Yes

2. Do you have any ethical concerns? Please consider if local Institutional Review Board approval or ethical approval was obtained (if appropriate) and if the patient (or their parent or guardian in the case of children under 18) gave written, informed consent to publish this case and any accompanying images. A statement to this effect should appear in the manuscript.

Comments:

None

3. Does the Introduction explain the relevance of the case to the medical literature?

No

4. Does the article report the following information? Where information is missing, please specify.

a. The relevant patient information, including:
   - De-identified demographic information (age, gender, ethnicity)
   - Main symptoms of the patient
   - Medical, family and psychosocial history
   - Relevant past interventions and their outcomes
b. The relevant physical examination findings

Yes they need to be included

c. Important dates and times in this case (if appropriate, organized as a timeline via a figure or table); if specific dates could lead to patient identification, consider including time relevant to initial presentation, i.e. initial presentation at T = 0, follow up at T = 1 month.

Yes

d. Diagnostic assessments, including:
   - Diagnostic methods
   - Challenges (e.g., financial, language/cultural)
   - Reasoning and prognostic characteristics (e.g., staging), where applicable

Yes

e. Types and mechanism of intervention

Yes

f. A summary of the clinical course of all follow-up visits

Yes

Comments:

5. Is the interpretation (discussion and conclusion) well balanced and supported by the case presented?

Comments:

Yes

6. Is the anonymity of the patient protected? Please consider any identifying information in images such as facial features or nametags, whether the patient is named etc. If not, please detail below.

Yes
7. Is the Abstract representative of the case presented?

Comments:

Yes

8. Does the case represent a useful contribution to the medical literature?

Comments:

Yes

9. Additional comments for the author(s)?

Abstract:

What do you mean 2 components resolved and three decreased? Is it symptoms if so which symptoms?

Would recommend adding barley young leaf, soya bean, kale to the keywords.

Background:

The case emphasizes the role exogenous supplements play in influencing the thyroid. A few lines regarding that would be more appropriate then the population levels of antibodies etc.

Case presentation:

Please mention the vitals and examination findings (goiter, tenderness).

The second paragraph needs to be modified Please take out "there are many thyroid function" this can be included in the discussion.

You could mention "It was suspected that isoflavones might be the reason for her hypothyroidism therefore we analyzed her serum...."
Discussion:

The sentence "Thyroid function of the people ...therefore may be rarer" either needs to be clarified or removed.

Hypothyroidism is a common disease while hypothyroidism secondary to iodine deficiency may not be seen in coastal areas, Hashimoto's is widely prevalent.

In the last paragraph "she presented severe hyperthyroidism" is this hypothyroidism??

Table 1: Please mention normal values
Table 2: Please mention normal values

Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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None

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