Reviewer's report

**Title:** Hungry bone syndrome and normalization of renal phosphorus threshold after total parathyroidectomy for tertiary hyperparathyroidism in X-linked hypophosphataemia: a case report

**Version:** 1 **Date:** 17 September 2013

**Reviewer:** Shozo Yano

Which of the following best describes what type of case report this is?: An unexpected event in the course of observing or treating a patient

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?: Yes

Does the case report have diagnostic value?: Yes

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

Is the anonymity of the patient protected?: Yes

Comments to authors:

Authors presented a case with X-linked hypophosphatemia. This case is of interest because effects of cinacalcet administration and total parathyroidectomy on bone metabolism and kidney phosphate handling are assessed.

In Page 6, Line 23, please correct from NTX-1 to P1NP. After PTx, bone resorption marker CTX was acutely decreased whereas bone formation marker P1NP was even increased and remained high for 1 year. This bone metabolism seems to be involved in a great increase in BMD in this case. Please comment the dissociation of the bone turnover markers.

In Page 7, Line 6, please delete the sentence starting "At the time of writing...". Although it is interesting, this is another story.
Quality of written English: Acceptable

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