Author's response to reviews

Title: Expression of parathyroid hormone/parathyroid hormone-related peptide receptor 1 in normal and diseased bladder detrusor muscles: A clinico-pathological study

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Author's response to reviews: see over
Dear Dr. Hayley Henderson
Executive Editor
BMC Urology

Dear Dr. Henderson,

We would like to submit the attached manuscript of revised version of a research article entitled, ‘Expression of parathyroid hormone/parathyroid hormone-related peptide receptor 1 in normal and diseased bladder detrusor muscles: A clinico-pathological study’ by Nobuyuki Nishikawa, Rie Yago, Yuichiro Yamasaki, Hiromitsu Negoro, Mari Suzuki, Masaaki Imamura, Yoshinobu Toda, Kazunari Tanabe, Osamu Ogawa and Akihiro Kanematsu (MS ID: 5131817871403085) for consideration for publication in BMC Urology.

You will find our detailed reply to the comments of the reviewer. We have responded to all the comments raised by the reviewers. We have addressed the questions raised by the reviewers, and have revised the text in this version. We hope that in its current form the manuscript is suitable for publication in BMC Urology.

We wish to thank the editors and the reviewers for their constructive comments and we look forward to hearing from you at your earliest convenience. Thank you again for your help and interest in our work.

With best wishes,

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We have appreciated the reviewers’ most helpful comments on our manuscript, and we have revised our manuscript to resolve the problems in the previous version. Our answers to the reviewers’ comments are as follows: The changes to the revised manuscript are also marked in yellow in the text.

**Reviewer: Valerio lacovelli**

**Discretionary Revisions:**

# Specify:

**How many normal control bladder specimens did you collect? which is the ratio disease vs normal?**

We gathered 3 normal control bladder specimens and 13 diseased bladder specimens, and showed all the results of the samples.

The reason of the small number of normal control samples is that it is practically difficult to collect the pediatric bladder specimen without any abnormality in bladder morphology and function. It should be better to increase the number of normal samples for statistical analysis, but all the normal control samples showed positive staining with anti-PTH1R antibody, contrary to negative staining in all the low compliance bladder samples. Therefore we thought it reasonable to use the normal samples as a control regardless of its small sample number, on condition that no statistical analysis is performed.

We added some phrases to clarify the total number of specimens as follows:

**Methods**

Line 113-114:

*In total, 3 normal control bladder tissues were obtained* during cystotomy for ureteral reimplantation for vesicoureteral reflux in two patients,

Line 120-122:

*In total, 13 diseased bladder tissues were obtained* from patients who underwent bladder augmentation at the Department of Urology, Tokyo Women's Medical University.
Reviewer: Enrico Finazzi Agro

No correction or comment has been requested.