Author's response to reviews

Title: Identification and adjustment of experimental occlusal interference using functional magnetic resonance imaging

Authors:

Masafumi Oda (r07oda@fa.kyu-dent.ac.jp)
Kenichi Yoshino (kyoshino@kyu-dent.ac.jp)
Tatsuroi Tanaka (t-tanaka@kyu-dent.ac.jp)
Shunji Shiiba (shiiba@kyu-dent.ac.jp)
Eri Makihara (maki-eri@kyu-dent.ac.jp)
Ikuya Miyamoto (r08miyamoto@fa.kyu-dent.ac.jp)
Shinnosuke Nogami (s-nogami@dent.tohoku.ac.jp)
Shinji Kito (kito@kyu-dent.ac.jp)
Nao Wakasugi-Sato (n.wakasugi70@gmail.com)
Shinobu Matsumoto-Takeda (s-takeda@kyu-dent.ac.jp)
Shun Nishimura (r13nishimura@fa.kyu-dent.ac.jp)
Keita Murakami (r14murakami@fa.kyu-dent.ac.jp)
Masahiro Koga (r14koga@fa.kyu-dent.ac.jp)
Shigenori Kawagishi (kawagishi@kyu-dent.ac.jp)
Izumi Yoshioka (r13yoshioka@fa.kyu-dent.ac.jp)
Shinichi Masumi (s-masumi@kyu-dent.ac.jp)
Mitsutaka Kimura (mitu320@nifty.com)
Yasuhiro Morimoto (rad-mori@kyu-dent.ac.jp)

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Author's response to reviews: see over
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Professor Leonardo Rigoldi Bonjardim
Associate Editor, BMC Oral Health

Dear Prof. Bonjardim:

I’m very happy to hear from your good information on acceptable for publication in *BMC Oral Health*. We would like to thank you for your comments and advice regarding our manuscript. This letter is in response to your correspondence of September 27, 2014, concerning our manuscript (MS: 2117635323141574). We were pleased to receive the comments made by the reviewers, and we are herewith submitting a revised version entitled “Identification and adjustment of experimental occlusal interference using functional magnetic resonance imaging”. Our replies to the Editor’s comments are as follows.

Editors:
1. We have added the sentence “the present study design was that placement of a restoration in hypo-occlusion or for that matter simply placement of a new restoration that changes buccal, lingual morphology or interproximal contact pressure could result in the same types of activations as seen in the hyper-occlusion state” in the paragraph of limitations in the revised manuscript (Page 18).

2. We have not added the description on the Brodmann’s 43 and 44 because the data could not be directly related to our present assertion. However, we are going to analyze the alteration of BOLD signal in the Brodmann’s 43 and 44 during the tapping task.

3. We have added the description on insula in the paragraph about Brodmann’s 46 (Pages 15 and 16).

4. We have appropriately revised the sentence about the period of occlusal adjustments easy to read it (Page 16).

5. We have appropriately revised the sentence about suitability of our present tapping task easy to understand it (Page 17).

6. We have added the reviewer’s suggestion on the clinical applications of NIR for the adjusting occlusal interference in a dental setting based on our present results (Page 19).

We would like to thank the reviewers for their constructive comments and suggestions. We hope that you will now find the manuscript perfect acceptable for publication in *BMC Oral Health*.

Yours sincerely,
Yasuhiro Morimoto DDS PhD
Professor and Chairman
Division of Oral and Maxillofacial Radiology, Kyushu Dental University
2-6-1, Manazuru, Kokurakita-ku, Kitakyushu 803-8580, Japan
Tel/Fax: +81-93-285-3094
E-mail: rad-mori@kyu-dent.ac.jp