Author’s response to reviews

Title: Computer-assisted, template-guided immediate implant placement and loading in the mandible: a case report

Authors:
Thomas Spielau (info@ergozahn.de)
Uli Hauschild (hauschild@dentaldesign.biz)
Joannis Katsoulis (joannis.katsoulis@zmk.unibe.ch)

Version: 2 Date: 17 Mar 2019

Author’s response to reviews:

Dear Editor

Thank you for the valuable comments and suggestions.

We hope that the manuscript will now fulfil the requirements to be acceptable for publication.

Kind regards

The authors

Editor Comments: the paper is now of better quality but still not acceptable for publication. the paper must be revised by an expert native english speaker because it still contains several typos and misleading sentences, in addition i have several suggestions here that you should consider. finally, when you resubmit a paper, you should highlight in different colour the modifications, but the text should be readable, in some instances (x example in page 1, line 32-42, there's a mess, the text is not clearly readable, please do not report on what you cancel/erase, clean your text adequately.

Answer: Thank you for the suggestions. The manuscript was revised, “typos” corrected and some sentences rephrased even if not mentioned in the comments below (without changing the
content). The text is now clear and free of tracking. The modifications are highlighted in the manuscript. The pages and lines reported below refer to the pdf available in the download.

TITLE- ACCEPTABLE

ABSTRACT- SOME CHANGES ARE NEEDED "A straight forward approach was discussed for the mandible". why discussed? wasn't it followed?

p.2, line 23: The word “discussed” was changed to “followed”.

“A straight forward approach was followed for the mandible presenting with hopeless lower incisors.”

"Diagnosis, decision finding and treatment approach were based on clinical findings and detailed virtual three- dimensional implant planning (3Diagnosys)” please avoid repetition of the word "finding/s”.

p.2, lines 25-28: The word “finding” was changed to “making”.

“Diagnosis, decision making and treatment approach were based on clinical findings and detailed virtual three-dimensional implant planning.”

"were concisely performed" why concisely?

p.2, line 33: The word “concisely” was deleted.

“… were performed fulfilling patient’s functional and …”

were performed "after a 24 weeks" you mean after 24 weeks? isn't it better 6 months?

p.2, line 34: The sentence was rephrased as suggested.

“…was delivered after 6 months.”

"healthy peri-implant mucosal" do you mean mucosa?

p.2, lines 34-36: The sentences were rephrased.

“At the 1-year recall the FDP was free of technical complications. Stable bony conditions and a healthy peri-implant mucosa could be observed.”

"esthetical and functional outcome” do you mean esthetic outcome?

p.2, lines 41-43: The sentence was rephrased.
“Computer assisted implantology including three-dimensional virtual implant planning, guided surgery, and CAD/CAM fabrication of provisional and final reconstructions allowed for a concise treatment workflow with predictable esthetic and functional outcomes in this mandibular full-arch case.”

"Two CAD/CAM surgical templates may be combined in partially dentate with extractions and immediate implants in a sequenced order" i do not understand the meaning of this misleading sentence.

p.2, lines 49-50: The sentence was rephrased.

“After the usage of a first tooth-supported surgical template with subsequent extraction of these teeth, a second surgical template stabilized on the previously inserted implants helped to transfer the planned implant position in the extractions sites with a guided approach.”

BACKGROUND

page1 line 11 "aimed to facilitate implant planning procedure" please remove procedure

p.4, line 13: The word “procedure” was deleted.

“… aimed to facilitate implant planning and to avoid intraoperative complications …”

line 21 "situation may be provided" why may be? if not, it is not guided surgery. please correct.

p.4, line 21: The words “may be” were replaced by “is”.

“… situation is provided by …”

line 29, “intrinsic factors of the system”. please specify

system

p.4, line 29: The word “system” was replaced by “surgical guide” and examples were added.

“… intrinsic factors of the surgical guide (tolerance in diameter between the drill and the guide sleeve, fabrication accuracy of the guide) …”

page 2 "The aim of the present report was to report". please rephrase avoiding repetitions

p.5, line 18: The word “report” were replaced by “illustrate” and the sentence rephrased.
“The aim of the present case report was to illustrate the feasibility of …”

METHODS / CASE PRESENTATION

please separate the different chapters/ sub-headings. "She asked for a comprehensive treatment that she would fund herself". not clear here. maybe unnecessary.

p.5, line 32: The sentence was shortened by deleting “that she would fund herself” and connecting with the next sentence, including rephrasing it.

“She asked for a comprehensive treatment and did not accept to be edentulous at any stage of the treatment. The patient was a non-smoker and -with the help of antihypertensive (Candecor comp. 32mg/12,5mg,) and anticoagulant medication (quick 30; Marcourmar)- in good general health.”

please give more details about the FOV of the CBCT used and the dose

p.6, line 17: The detailed data were added in the text.

“… a cone beam computed tomography (CBCT) (Pax-Uni 3D, orangedental GmbH & Co. KG, Biberach, Germany) with a 5 x 8 cm field of view and 85KV/5.5mA/0.2mm Voxel was performed …”

please specify the commercial name of the resins used in the different phases of treatment with the X-FAB machine (DWS)

p.6, line 26: The commercial name was added.

“The templates were fabricated stereolithographically (DS3000, XFAB, DWS srl, Thiene, Italy) according …”

p.7, line 32: The commercial name was added.

“… using an ABS-like polymer (RD096B, DWS srl, Thiene, Italy).”

DISCUSSION

discussion there is nothing sophisticated in guided surgery. please remove that word.

p.7, line 50: The word “sophisticated” was deleted.

“The use of CAI software in …”
the implant insertion torque must be discussed in detail.

p.8, line 32: The implant insertion torque of the immediately placed implants 42/33 was discussed.

“Different factors contributed to this insertion torque such as the depth of the planned implant position in a more apical area than the extraction site, the minimally invasive tooth extraction, the macroscopic implant geometry and the osteotomy protocol with a smaller drilling diameter compared to the implant diameter (as proposed by the company), the accurate performance of the single steps in the pre- and intraoperative phases, and the bone density in the anterior mandibular area.”

CONCLUSIONS- ACCEPTABLE

FIGURES

the case itself is not very exciting because it does not cover the full mouth rehabilitation, only the mandible and the patient had no modifications in the maxilla, that's a pity. the esthetic quality of the case is not high. however we can consider it as a daily case.

BMC Oral Health operates a policy of open peer review, which means that you will be able to see the names of the reviewers who provided the reports via the online peer review system. We encourage you to also view the reports there, via the action links on the left-hand side of the page, to see the names of the reviewers.

Reviewer reports:

If improvements to the English language within your manuscript have been requested, you should have your manuscript reviewed by someone who is fluent in English. If you would like professional help in revising this manuscript, you can use any reputable English language editing service. We can recommend our affiliates Nature Research Editing Service (http://bit.ly/NRES-LS) and American Journal Experts (http://bit.ly/AJE-LS) for help with English usage. Please note that use of an editing service is neither a requirement nor a guarantee of publication. Free assistance is available from our English language tutorial (https://www.springer.com/gb/authors-editors/authorandreviewertutorials/writinginenglish) and our Writing resources (http://www.biomedcentral.com/getpublished/writing-resources). These cover common mistakes that occur when writing in English.