

# Accepted Manuscript

Biomechanical evaluation of Chinese customized three-dimensionally printed total temporomandibular joint prostheses: A finite element analysis

Xuzhuo Chen, MS, Yexin Wang, MS, Yi Mao, DDS, Zhihang Zhou, MS, Jisi Zheng, MS, Jinze Zhen, DDS, Yating Qiu, MD, Shanyong Zhang, MD, Haiyi Qin, MS, Chi Yang, MD

PII: S1010-5182(18)30486-4

DOI: [10.1016/j.jcms.2018.06.018](https://doi.org/10.1016/j.jcms.2018.06.018)

Reference: YJCMS 3045

To appear in: *Journal of Cranio-Maxillo-Facial Surgery*

Received Date: 16 March 2018

Revised Date: 3 June 2018

Accepted Date: 28 June 2018

Please cite this article as: Chen X, Wang Y, Mao Y, Zhou Z, Zheng J, Zhen J, Qiu Y, Zhang S, Qin H, Yang C, Biomechanical evaluation of Chinese customized three-dimensionally printed total temporomandibular joint prostheses: A finite element analysis, *Journal of Cranio-Maxillofacial Surgery* (2018), doi: 10.1016/j.jcms.2018.06.018.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**Biomechanical evaluation of Chinese customized three-dimensionally printed total temporomandibular joint prostheses: A finite element analysis**

Xuzhuo Chen<sup>1#</sup>, MS, Yexin Wang<sup>1#</sup>, MS, Yi Mao<sup>1#</sup>, DDS, Zhihang Zhou<sup>1</sup>, MS, Jisi Zheng<sup>1</sup>, MS, Jinze Zhen<sup>1</sup>, DDS, Yating Qiu<sup>1</sup>, MD, Shanyong Zhang<sup>1\*</sup>, MD, Haiyi Qin<sup>2\*</sup>, MS, Chi Yang<sup>1</sup>, MD

<sup>1</sup> Department of Oral and Maxillofacial Surgery, Ninth People's Hospital, College of Stomatology, Shanghai JiaoTong University School of Medicine, and Shanghai Key Laboratory of Stomatology & Shanghai Research Institute of Stomatology, Shanghai, China.

<sup>2</sup> National Die and Mold CAD Engineering Research Center, Shanghai Jiao Tong University, Shanghai, China.

# These authors contributed equally to this work

\*Co-corresponding authors

Correspondence to:

Shanyong Zhang, MD, Department of Oral Surgery, Ninth People's Hospital, College of Stomatology, Shanghai Jiao Tong University School of Medicine, Shanghai Key Laboratory of Stomatology & Shanghai Research Institute of Stomatology, No. 639, Zhi-Zao-Ju Road, 200011, Shanghai, People's Republic of China

Email: zhangshanyong@126.com Tel: 021-23271699, fax: 86-021-53072423

Haiyi Qin, MS, National Die and Mold CAD Engineering Research Center, Shanghai Jiao Tong University, No. 1954, Huashan Road, 200011, Shanghai, People's Republic of China

E-mail: hyqin@sjtu.edu.cn Tel: 021-62813430, fax: 021-62827605

Download English Version:

<https://daneshyari.com/en/article/8963593>

Download Persian Version:

<https://daneshyari.com/article/8963593>

[Daneshyari.com](https://daneshyari.com)