

Accepted Manuscript

Review Fantastic medical implications of 3D-printing in liver surgeries, liver regeneration, liver transplantation and drug hepatotoxicity testing: A review

Jing-Zhang Wang, Nan-Yan Xiong, Li-Zhen Zhao (L.Z. Zhao), Jin-Tian Hu, De-Cheng Kong, Jiang-Yong Yuan



PII: S1743-9191(18)31496-1

DOI: [10.1016/j.ijssu.2018.06.004](https://doi.org/10.1016/j.ijssu.2018.06.004)

Reference: IJSU 4682

To appear in: *International Journal of Surgery*

Received Date: 25 May 2018

Accepted Date: 5 June 2018

Please cite this article as: Wang J-Z, Xiong N-Y, Zhao (L.Z. Zhao) L-Z, Hu J-T, Kong D-C, Yuan J-Y, Review Fantastic medical implications of 3D-printing in liver surgeries, liver regeneration, liver transplantation and drug hepatotoxicity testing: A review, *International Journal of Surgery* (2018), doi: 10.1016/j.ijssu.2018.06.004.

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.

Review

Fantastic medical implications of 3D-printing in liver surgeries, liver regeneration, liver transplantation and drug hepatotoxicity testing: A review

Jing-Zhang Wang (J.Z. Wang, PhD)^{a,1,*}, Nan-Yan Xiong (N.Y. Xiong)^{b,1}, Li-Zhen Zhao (L.Z. Zhao)^{c,1}, Jin-Tian Hu (J.T. Hu)^c, De-Cheng Kong (D.C Kong)^b, Jiang-Yong Yuan (J.Y. Yuan)^{d,*}

^a *Department of Medical Technology, College of Medicine, Affiliated Hospital, Hebei University of Engineering, Handan 056002, PR China*

^b *College of Medicine, Hebei University of Engineering, Handan 056002, PR China*

^c *Department of Clinical Laboratory, Affiliated Hospital of Hebei University of Engineering, Handan 056002, PR China*

^d *Department of Cardiology, Affiliated Hospital of Hebei University of Engineering, Handan 056002, PR China*

*Corresponding author. Address: Affiliated Hospital, College of Medicine, Hebei University of Engineering, 81 and 83 Cong Tai Road, Handan 056002, Hebei Province, China. Tel.: +86 0310 8575130. E-Mail addresses: jingzhangwang@hebeu.edu.cn(J.Z. Wang); hebeuyjy@163.com(J.Y. Yuan). (Please contact **J.Z. Wang** for the publication affairs of the article)

¹These authors contributed equally to this study and should be co-first authors.

Word count: About **4000** words (Excluding References)

57 of the **89** references were published from **2016** to **2018**.

16 references were published in **2018**;

27 references were published in **2017**;

14 references were published in **2016**.

Download English Version:

<https://daneshyari.com/en/article/8831516>

Download Persian Version:

<https://daneshyari.com/article/8831516>

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