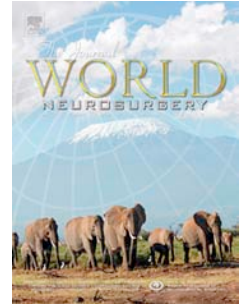


Accepted Manuscript

Combined Use of a Gasket Seal Closure and a VP-NSF Multilayered Reconstruction Technique for High-flow CSF Leaks After Endonasal Endoscopic Skull Base Surgery

Fan Hu , MD Ye Gu , MD Xiaobiao Zhang , MD Tao Xie , MD Yong Yu , MD, PhD
Chongjing Sun , MD Wensheng Li , PhD



PII: S1878-8750(14)00547-6

DOI: [10.1016/j.wneu.2014.06.004](https://doi.org/10.1016/j.wneu.2014.06.004)

Reference: WNEU 2394

To appear in: *World Neurosurgery*

Received Date: 23 August 2013

Revised Date: 31 October 2013

Accepted Date: 3 June 2014

Please cite this article as: Hu F, Gu Y, Zhang X, Xie T, Yu Y, Sun C, Li W, Combined Use of a Gasket Seal Closure and a VP-NSF Multilayered Reconstruction Technique for High-flow CSF Leaks After Endonasal Endoscopic Skull Base Surgery, *World Neurosurgery* (2014), doi: 10.1016/j.wneu.2014.06.004.

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.

Combined Use of a Gasket Seal Closure and a VP-NSF Multilayered Reconstruction Technique for High-flow CSF Leaks After Endonasal Endoscopic Skull Base Surgery

Fan Hu (MD)^{1,2}, Ye Gu (MD)¹, Xiaobiao Zhang (MD)^{1,2}, Tao Xie (MD)³, Yong Yu (MD, PhD)¹, Chongjing Sun (MD)¹, Wensheng Li (PhD)³

Corresponding author: Xiaobiao Zhang

1 Department of Neurosurgery at Zhongshan Hospital, Fudan University, 180 Fenglin Road Shanghai, PR China, 200032;

2 Shanghai Key Lab of Medical Image Computing and Computer Assisted Intervention, Shanghai, PR China;

3 Department of Anatomy/Digital Medical Research Center, Shanghai Medical College, Fudan University, Shanghai, China 200032.

Email: xiaobiao_zhang@163.com Fax: 0086-021-64041990

This article was funded by the Foundation of Shanghai Health Bureau (20124351)

Download English Version:

<https://daneshyari.com/en/article/6045128>

Download Persian Version:

<https://daneshyari.com/article/6045128>

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