

### **3D-printed “fistula stent” designed for the management of enterocutaneous fistula: an advanced strategy**

Jin-Jian Huang, Jian-An Ren, Ge-Fei Wang, Zong-An Li, Xiu-Wen Wu, Hua-Jian Ren, Song Liu

---

**Jin-Jian Huang, Jian-An Ren, Ge-Fei Wang, Xiu-Wen Wu, Hua-Jian Ren,**  
Department of Surgery, Jinling Hospital, Nanjing 210002, China

**Jin-Jian Huang,** School of Medicine, Southeast University, Nanjing 210009,  
China

**Zong-An Li,** NARI School of Electrical & Automation Engineering, Nanjing  
Normal University, Nanjing 210042, China

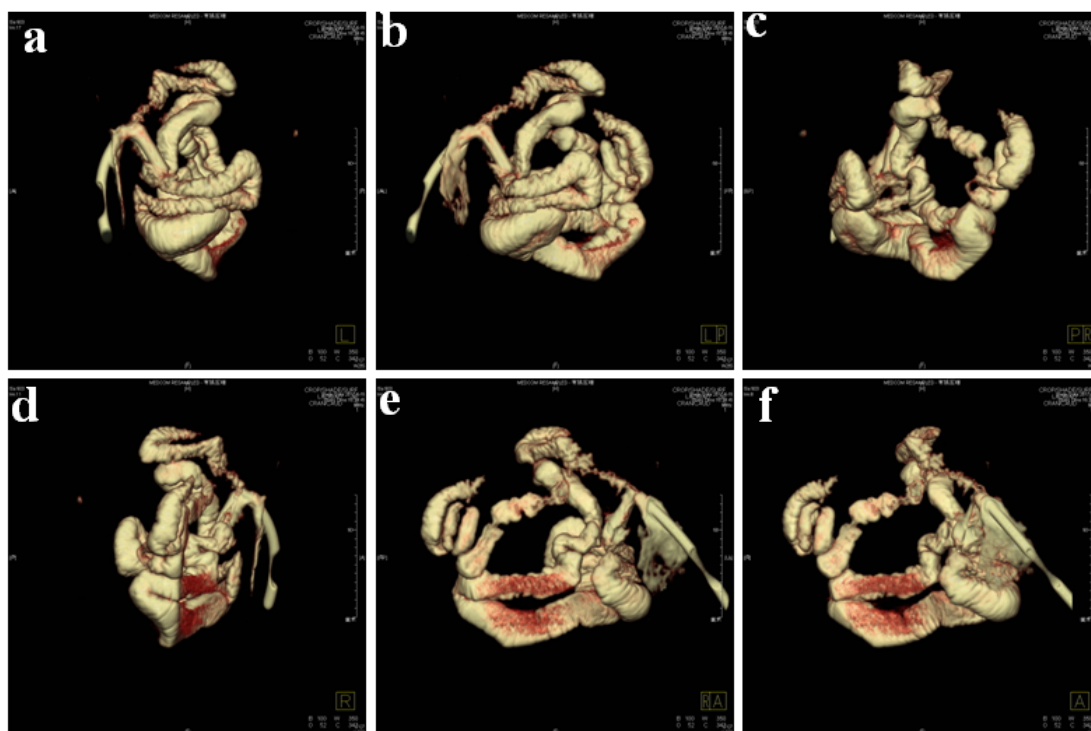
**Song Liu,** Department of General Surgery, Nanjing Drum Tower Hospital,  
Nanjing 210008, China

#### **\* Correspondence to:**

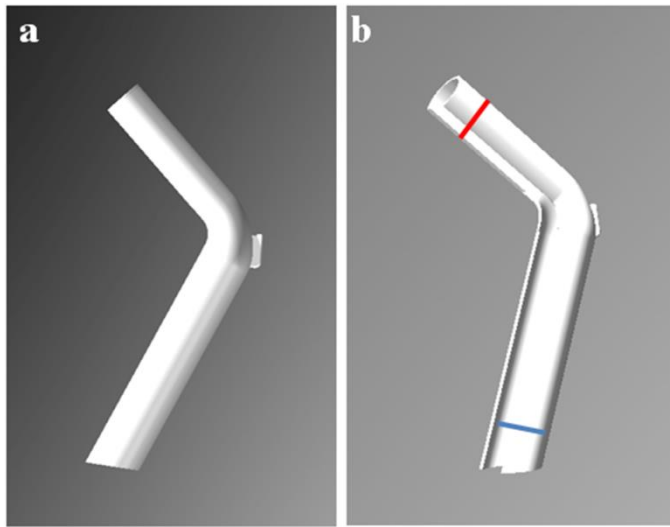
Jian-An Ren, MD, FACS, Director, Department of Surgery, Jinling Hospital,  
305 East Zhongshan Road, Nanjing, 210002, China.

E-mail: JiananR@gmail.com; Telephone: 008613605169808; Fax:

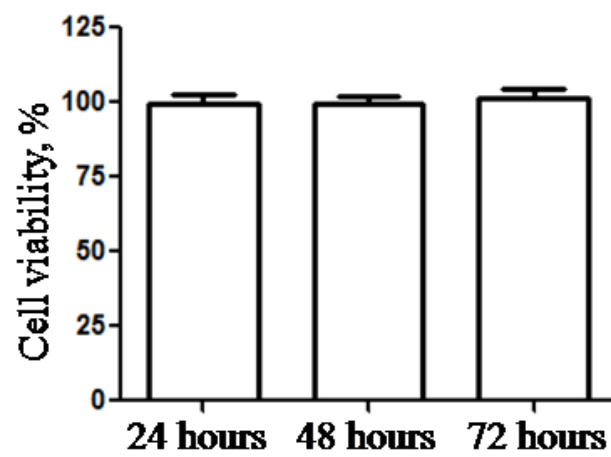
0086025-80860376.



**Supplementary Figure 1** A-F: Different views of 3D reconstructed fistulography.



**Supplementary Figure 2** A and B: Different views of the fistula stent model drawn with the Solidwork software (red line: 12 mm, blue line: 15 mm).



Supplementary Figure 3 Detection of cell viability in stent leachate for 24 h, 48 h and 72 h using MTT assay.