

Materials List for:

Application of 3D Printing in the Construction of Burr Hole Ring for Deep Brain Stimulation Implants

Jiazhi Chen^{*1,2}, Xinyu Chen^{*3}, Siyuan Lv², Yuzhen Zhang¹, Hao Long¹, Kaijun Yang¹, Songtao Qi¹, Wangming Zhang², Jun Wang¹

¹Department of Neurosurgery, Nanfang Hospital, Southern Medical University

²Department of Neurosurgery, Zhujiang Hospital, Southern Medical University

³Faculty of Brain Sciences, University of College London

*These authors contributed equally

Correspondence to: Jun Wang at smuwangjun@163.com

URL: <https://www.jove.com/video/59560>

DOI: [doi:10.3791/59560](https://doi.org/10.3791/59560)

Materials

| Name | Company | Catalog Number | Comments |
|------------------------------|---|------------------|---|
| Adobe Photoshop Version 14.0 | Adobe System?US | – | Only available with a paid subscription. |
| Allcct 3D printer | Allcct technology co., LTD, WuHan, China | 201807A794124CN | |
| Allcct_YinKe_V1.1 | Allcct technology co., LTD, WuHan, China | | The software is provided by the 3D printer manufacturer and there is no Catalog number associated with it |
| AutoCAD 2004 | Autodesk co., LTD?US | 666-12345678 | Software for 2D models |
| Carbon Fibre | Allcct technology co., LTD, WuHan, China | PLA175Ø5181Ø3ØB | The material is provided by the 3D printer manufacturer |
| Netfabb Studio Basic 4.9 | Autodesk co., LTD?US | - | The software is provided by a 3D printer manufacturer and is open to access |
| Pro/E 2001 | Parametric Technology Corporation, PTC, US | – | Software for 3D models; Only available with a paid subscription. |
| Vernier caliper | Beijing Blue Light Machinery Electricity Instrument Co., LTD, China | GB/T 1214.1-1996 | |