

Materials List for:

A Training and Testing System for Performing Vascular Reconstruction In Vitro

Yue Wang^{1,2}, Lijun Mu³, Wei Zhang^{1,2}, Huan Chen^{1,2}, Qingshan Li^{1,2}, Aihua Shi¹, Bo Tang², Xiaogang Zhang^{1,2}, Dinghui Dong^{1,2}, Yi Lv^{1,2}

¹National Local Joint Engineering Research Center for Precision Surgery and Regenerative Medicine, First Affiliated Hospital of Xi'an Jiaotong University

²Department of Hepatobiliary Surgery, First Affiliated Hospital of Xi'an Jiaotong University

³Department of General Surgery, First Affiliated Hospital of Xi'an Jiaotong University

Correspondence to: Yi Lv at luyi169@126.com

URL: <https://www.jove.com/video/60141>

DOI: [doi:10.3791/60141](https://doi.org/10.3791/60141)

Materials

Name	Company	Catalog Number	Comments
Circular permanent magnet	Hangzhou Permanent Magnet Group Co.LTD	20*1mm	Magnetic tractor
Magnetic balls	Hangzhou Permanent Magnet Group Co.LTD	5mm	Magnetic suture puller
Magnetic cylinders	Hangzhou Permanent Magnet Group Co.LTD	5*5mm	Magnetic suture puller
Polypropylene suture	Johnson and Johnson	PROLENE 4-0	Used for anastomosis
Silk suture	SILK	2-0?3-0	Used for fixing vascular and ligation
Surgical instruments	Jinzhong Shanghai	JZ-2018	Suture scissors, tissue scissors? forceps, needle and needle holder
Universal testing machine	Zwick GmbH&Co	Z010	Used for testing the association between the length of traction wire and the traction force