

Materials List for

A Passive Ankle Dorsiflexion Testing System for an *In Vivo* Model of Overuse-induced Tendinopathy

Pooja H. Chainani^{1,2}, Patrick M. Williamson^{1,2}, Diana Yeritsyan¹, Kaveh Momenzadeh¹, Nadim Kheir¹, Joseph P. DeAngelis^{1,3}, Arun J. Ramappa^{1,3}, Ara Nazarian^{1,2,3,4}

¹Musculoskeletal Translational Innovation Initiative, Carl J. Shapiro Department of Orthopaedic Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School ²Mechanical Engineering Department, Boston University ³Carl J. Shapiro Department of Orthopaedic Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School ⁴Department of Orthopaedic Surgery, Yerevan State Medical University

Corresponding Author

Ara Nazarian

anazaria@bidmc.harvard.edu

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Materials

Name	Company	Catalog Number	Comments
1/32" Aluminum beads			
2.5% isoflurane			
3D digitizing pen	Polhemus, Vermont, NH, USA		
3D electromagnetic positioning and orientation sensor	Polhemus, Vermont, NH, USA		
5% isoflurane			
Customized device: 1) Assembly, sensors, 3D printed animal bed and ankle mount actuator			Assembled as described in manuscript
MATLAB code	MATLAB, Natick, MA, USA		
Microcontroller	Ivrea, Italy	Arduino UNO, Rev3	
Nose cone			
Scalpel and scalpel holder			No. 11 scalpel
Sprague-Dawley rats	Charles River Laboratories, Wilmington, MA, USA		11-13 weeks old
Stepper driver	SparkFun Electronics, Niwot, CO 80503	DM542T	
Stepper motor	SparkFun Electronics, Niwot, CO 80503	23HE30-2804S	
Straight forceps			
Torque sensor assembly	Futek Inc., Irvine, CA, USA	FSH03985, FSH04473, FSH03927	
Water heating pad			