

Materials List for:

An Investigation of the Effects of Sports-related Concussion in Youth Using Functional Magnetic Resonance Imaging and the Head Impact Telemetry System

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URL: <https://www.jove.com/video/2226>

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Materials

Name	Company	Catalog Number	Comments
AccuGait Portable Gait and Balance Platform (Balance Assessment)	AMTI		www.amti.biz
NetForce Balance Data Acquisition Software	AMTI		www.amti.biz
Visual Conflict Dome			Fabricated by researchers; modeled after: Lovell MR, Collins MW. Neuropsychological assessment of the college football player. <i>J Head Trauma Rehabil.</i> 1998;13(2):9-26.
Airex Balance Pad	Airex		www.bebalanced.net
Smedley's Dynamometer, 100 kg(Grip Strength)	TTM, Tokyo		
Grooved Pegboard Test	Lafayette Instruments		www.lafayetteinstrument.com
Axon Jump Mat	Vacumed		www.vacumed.com
Strength Bar			Fabricated by researchers: <ul style="list-style-type: none"> • 31" titanium lacrosse handle • Two 40" utility chains • 24" x 26" plywood platform • Two dock ring fasteners • Two U-bolts (1" width)
Head Impact Telemetry (HIT) System	Simbex		www.simbex.com
Post-Concussion Symptoms Scale Revised (PCS-R)			Adapted from: Lovell MR, Collins MW. Neuropsychological assessment of the college football player. <i>J Head Trauma Rehabil.</i> 1998;13(2):9-26.
GE Discovery MR750 3.0T MRI Scanner	GE Healthcare		www.gehealthcare.com
GE 8 channel head coil	GE Healthcare		www.gehealthcare.com
Lumitouch Reply System	Lightwave Medical Industries		Vancouver, BC 1-(604)-875-4529

Back projection screen (for presenting fMRI stimuli)	Unknown		
Disposable foam ear plugs	PAR Inc.		www.parinc.com
Neuropsychological Tests	Pearson Assessments		www.pearsonassessments.com