

Materials List for:

A Finite Element Approach for Locating the Center of Resistance of Maxillary Teeth

Bill Luu¹, Edward Anthony Cronauer², Vaibhav Gandhi¹, Jonathan Kaplan³, David M. Pierce^{3,4}, Madhur Upadhyay¹

¹Division of Orthodontics, University of Connecticut Health

²Private Practice, Miami, FL

³Department of Biomedical Engineering, University of Connecticut

⁴Department of Mechanical Engineering, University of Connecticut

Correspondence to: Madhur Upadhyay at maupadhyay@uchc.edu

URL: <https://www.jove.com/video/60746>

DOI: [doi:10.3791/60746](https://doi.org/10.3791/60746)

Materials

Name	Company	Catalog Number	Comments
3-matic software	Materialise, Leuven, Belgium.		Cleaning and meshing
Abaqus/CAE software, version 2017	Dassault Systèmes Simulia Corp., Johnston, RI, USA.		Finite Element Analysis
Mimics software, version 17.0	Materialise, Leuven, Belgium.		Segmentation of teeth and bone