Joint Juice: A Low-Cost Task Trainer for Joint Access



Justin Zhou¹, Ryan Chan¹, Charlotte Cheng¹, Kaitlyn Storm¹, Anson Zhou¹, Andrea Cheng¹, Connie Chen¹, Alan Mao¹

Antony Fuleihan¹, Won Jun Kuk², Tiffany Fong², Constanza Miranda¹

Patella

Tibia

¹ Department of Biomedical Engineering, Johns Hopkins University; ² Department of Emergency Medicine, JHU School of Medicine

Unpracticed* clinicians performing joint aspiration and injection need to improve procedural competence in order to successfully enter the joint space and minimize damage to surrounding anatomical structures**.

