

DATE: 6/29/2022

Name of Principal Investigator: Scott B. Rosenfeld

Study title: Determination of Normative Values of Motion Analysis of Adolescent Dancers for Return to Dance Criteria after Orthopaedic Surgery.

Name of award: POSNA Fall Micro Grant

Year in which the grant/award was funded: 2020

Brief Summary of Project: The purpose of this project was to define normative motion analysis data to use as objective criteria for return to dance after orthopaedic surgery. We recruited 20 healthy adolescent dancers to perform dance specific movements in the motion analysis lab including single leg revele, single leg airplane, single leg saute, topple test, and single and triple hop testing. We collected clinical examination data as well as kinematic, kinetic, and electromyographic data to use as baseline norms in this population.

Was the primary outcome measure of success reached?: Yes, we were able to obtain normative data from 20 volunteers.

Future plans: The next step in this project is to compare injured and post op dancers to this set of normative data to determine where to focus their rehab. For now we plan to prepare an e-poster for the 2023 POSNA Annual Meeting.

Research findings: see attached document

Expenditures: See attached excel sheet

Presentations: none yet

Publications: none yet

Further grant obtained as result of POSNA funding: none yet