

SEMINAR SERIES

Supported by The Department of Biomechanics and
The Center for Research in Human Movement Variability (MOVCENTR)



REDUCING JOINT LOADING ASYMMETRY FOLLOWING ACL RECONSTRUCTION

Featuring Dr. Namwoong Kim
University of Nebraska at Omaha



Friday, Sept. 24 | 12:00 - 1:15 pm | Via Zoom

<https://unomaha.zoom.us/j/92012305734>

PRESENTATION ABSTRACT

Abnormal movement patterns that offload the surgical knee persist over time in individuals post anterior cruciate ligament reconstruction (ACLR). Individuals post ACLR exhibit asymmetries in vertical ground reaction force (vGRF) and center of pressure (COP) location.

To address these asymmetrical loading patterns during bilateral tasks, we used visual biofeedback strategies incorporating vGRF and COP information to investigate if visual biofeedback strategies can improve weight bearing asymmetry and joint loading asymmetry in individuals post ACLR and recreational athletes.

ABOUT DR. KARUMATTU MANATTU

Dr. Namwoong Kim is a Research Associate in the Department of Biomechanics at the University of Nebraska at Omaha. Dr. Kim received a masters in Biomechanics from Yonsei University in Seoul, Korea as well as a masters in Athletic Training from UNO. He earned his Ph.D. in Biomechanics from UNO in August of 2021 and now focuses his research on the identification and improvement of improper lower extremity biomechanics in relation to knee injuries.

more info at cobre.unomaha.edu

*This seminar was supported by the National Institutes of General Medical Sciences of the National Institutes of Health under Award Number P20GM109090
Center for Research in Human Movement Variability. | The University of Nebraska at Omaha shall not discriminate based upon age, race, ethnicity, color,
national origin, gender identity, sex, pregnancy, disability, sexual orientation, genetic information, veteran's status, marital status, religion, or political affiliation.

UNIVERSITY OF
Nebraska
Omaha

