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| Supplementary Table 1. Interaction Effects Between BMI and Injury Groups for Non-Normalized Forces and Moments | | | | |
|  | N-CON (n=78) | H-CON (n=28) | N-ACLR (n=122) | H-ACLR (n=74) |
| Peak vGRF (N) | 666±105 | 882±120 | 698±101 | 902±165 |
| Peak vGRF-LR (N/s) | 8318±1932 | 11277±3134 | 9144±2003 a | 10868±2277 |
| Peak KEM (Nm) | -30.4±14.5 | -44.1±22.5 | -28.7±16.5 | -36.6±21.5 |
| Peak KAM (Nm) | -27.1±7.9 | -31.6±12.3 | -27.4±9.6 | -32.1±11.3 |
| BMI – Body mass index, ACLR = Anterior cruciate ligament reconstruction, N-ACLR – ACLR with normal BMI, H-ACLR – ACLR with high BMI, N-CON – controls with normal BMI, H-CON – controls with high BMI, vGRF – Vertical ground reaction force, BW – Body weight, vGRF-LR – instantaneous vertical ground reaction force loading rate, KFA – knee flexion angle, KFE – knee flexion excursion, KEM – internal knee extension moment, KAM – internal knee abduction moment  a Significantly different compared to N-CON (unadjusted model) at p ≤ 0.05 | | | | |