

EVENT	ACL STATUS	GENDER	KINEMATICS	MODALITY	MEAN (DEG)	STD (DEG)
CONTACT	ACL _{INT}	M	FL/EX	OMC	24.01	14.74
CONTACT	ACL _{INT}	M	FL/EX	BPV	23.88	14.29
CONTACT	ACL _{INT}	M	AD/AB	OMC	3.17	2.76
CONTACT	ACL _{INT}	M	AD/AB	BPV	3.93	1.13
CONTACT	ACL _{INT}	M	IN/EX	OMC	-1.15	5.06
CONTACT	ACL _{INT}	M	IN/EX	BPV	-1.87	3.70
CONTACT	ACL _{INT}	F	FL/EX	OMC	34.31	12.11
CONTACT	ACL _{INT}	F	FL/EX	BPV	33.11	10.71
CONTACT	ACL _{INT}	F	AD/AB	OMC	2.82	3.04
CONTACT	ACL _{INT}	F	AD/AB	BPV	4.24	1.16
CONTACT	ACL _{INT}	F	IN/EX	OMC	7.84	3.95
CONTACT	ACL _{INT}	F	IN/EX	BPV	7.78	2.10
CONTACT	ACL _{REC}	M	FL/EX	OMC	21.71	4.95
CONTACT	ACL _{REC}	M	FL/EX	BPV	23.75	4.52
CONTACT	ACL _{REC}	M	AD/AB	OMC	2.90	1.58
CONTACT	ACL _{REC}	M	AD/AB	BPV	4.04	1.42
CONTACT	ACL _{REC}	M	IN/EX	OMC	4.38	7.25
CONTACT	ACL _{REC}	M	IN/EX	BPV	4.89	5.99
CONTACT	ACL _{REC}	F	FL/EX	OMC	29.40	4.96
CONTACT	ACL _{REC}	F	FL/EX	BPV	31.28	4.46
CONTACT	ACL _{REC}	F	AD/AB	OMC	3.64	2.26
CONTACT	ACL _{REC}	F	AD/AB	BPV	4.94	1.75
CONTACT	ACL _{REC}	F	IN/EX	OMC	-0.08	10.81
CONTACT	ACL _{REC}	F	IN/EX	BPV	-1.42	7.04
PEAK	ACL _{INT}	M	FL/EX	OMC	24.90	10.57
PEAK	ACL _{INT}	M	FL/EX	BPV	25.42	10.30
PEAK	ACL _{INT}	M	AD/AB	OMC	2.99	2.63
PEAK	ACL _{INT}	M	AD/AB	BPV	4.63	0.62
PEAK	ACL _{INT}	M	IN/EX	OMC	1.81	6.01
PEAK	ACL _{INT}	M	IN/EX	BPV	-1.84	3.39
PEAK	ACL _{INT}	F	FL/EX	OMC	30.23	9.96
PEAK	ACL _{INT}	F	FL/EX	BPV	30.43	7.86
PEAK	ACL _{INT}	F	AD/AB	OMC	1.99	4.10
PEAK	ACL _{INT}	F	AD/AB	BPV	3.84	1.31
PEAK	ACL _{INT}	F	IN/EX	OMC	7.85	3.83
PEAK	ACL _{INT}	F	IN/EX	BPV	7.33	1.52
PEAK	ACL _{REC}	M	FL/EX	OMC	21.98	2.85
PEAK	ACL _{REC}	M	FL/EX	BPV	26.25	3.43
PEAK	ACL _{REC}	M	AD/AB	OMC	1.84	1.31
PEAK	ACL _{REC}	M	AD/AB	BPV	4.40	1.88
PEAK	ACL _{REC}	M	IN/EX	OMC	5.41	7.57
PEAK	ACL _{REC}	M	IN/EX	BPV	4.41	5.89
PEAK	ACL _{REC}	F	FL/EX	OMC	28.16	4.61
PEAK	ACL _{REC}	F	FL/EX	BPV	30.70	3.82
PEAK	ACL _{REC}	F	AD/AB	OMC	2.70	1.81
PEAK	ACL _{REC}	F	AD/AB	BPV	4.72	1.68
PEAK	ACL _{REC}	F	IN/EX	OMC	-0.05	12.01
PEAK	ACL _{REC}	F	IN/EX	BPV	-1.72	6.67

Table A, Supplemental Digital Content 1

The knee joint angles in degrees at contact and peak vertical ground reaction force for knee FL/EX, AD/AB, and IN/EX obtained from OMC and biplanar videoradiography (BPV). FL, AD, and IN are positive. The AD/AB and IN/EX knee rotations from OMC should be interpreted with caution due to the soft tissue artifact observed during this activity (24).