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Corrigendum to “Biomechanical but not timed performance asymmetries persist between limbs 9 months after ACL reconstruction during planned and unplanned change of direction” [J. Biomech. 81 (2018) 93–103]

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The authors regret that the function used to normalise joint moments to body mass contained an error which resulted in incorrect calculation of these variables. Full re-analysis of the corrected data identified small differences from those originally reported in some effect sizes and phase boundaries for the relevant between-limb comparisons, but did not affect the conclusions of the study. Corrections to the text, tables and figures are detailed below, with changes to the corrected text highlighted in bold.

Abstract

The abstract page states that ACLR side effect sizes were **0.72–0.50**. This should read 0.74–0.53.

Results Section

3.2.1 Biomechanical differences between limbs:

The original text reads (errors highlighted in **bold**): The differences with the largest effect size was less internal knee valgus

moment on the ACLR limb in the middle of the stance phase (19–85%; ES 0.72). There was less knee flexion angle (19–84%; ES 0.57), ankle external rotation moment (19–83%; ES **0.56**), knee external rotation moment (19–82%; ES 0.54), knee extension moment (15–91%; ES **0.50**) as well as less knee internal rotation angle throughout all of stance phase (0–100%; ES 0.56) on the ACLR side.

This should read: The differences with the largest effect size was less internal knee valgus moment on the ACLR limb in the middle of the stance phase (19–85%; ES 0.74). There was less knee flexion angle (19–84%; ES 0.57), ankle external rotation moment (19–83%; ES; 0.57), knee external rotation moment (19–82%; ES 0.54), knee extension moment (15–91%; ES 0.53) as well as less knee internal rotation angle throughout all of stance phase (0–100%; ES 0.56) on the ACLR side.

The table below should replace Table 2.

Biomechanical differences between limbs (planned and unplanned combined)								
Variable	Direction	Start	End	ACLR (±STD)	95% CI	Non-ACLR (±STD)	95% CI	Effect size
Knee abduction moment (Nm/kg)	Valgus	19	85	0.45 (0.42)	0.40–0.50	0.97 (0.63)	0.89–1.05	0.74
Knee angle sagittal (°)	Flexion	19	84	55.3 (7.4)	54.4–56.2	60.3 (7.5)	59–61	0.57
Ankle moment transverse (Nm/kg)	External Rotation	19	83	–0.02 (0.16)	–0.04–0.00	0.16 (0.28)	0.13–0.20	0.57
Knee angle transverse (°)	Internal Rotation	0	100	16.2 (10.2)	14.9–17.4	22.6 (10.4)	21.2–23.8	0.56
Knee moment transverse (Nm/kg)	External Rotation	19	82	0.04 (0.14)	0.03–0.06	0.20 (0.27)	0.16–0.23	0.55
Knee moment sagittal (Nm/kg)	Extension	15	91	1.38 (0.51)	1.32–1.44	1.75 (0.48)	1.69–1.81	0.53

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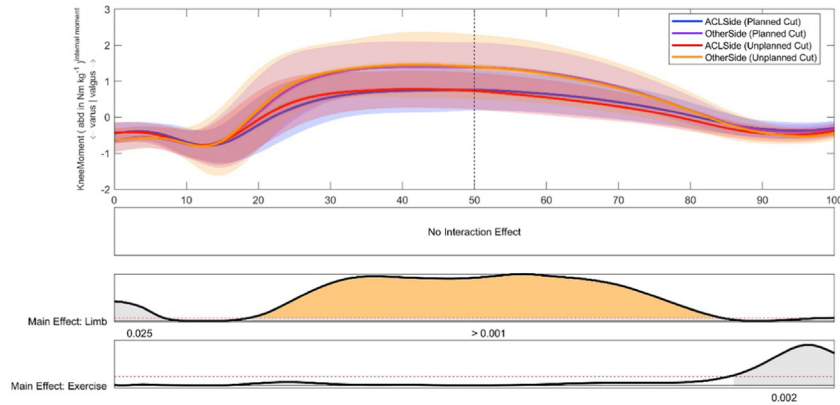
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E-mail address: endaking@hotmail.com (E. King).

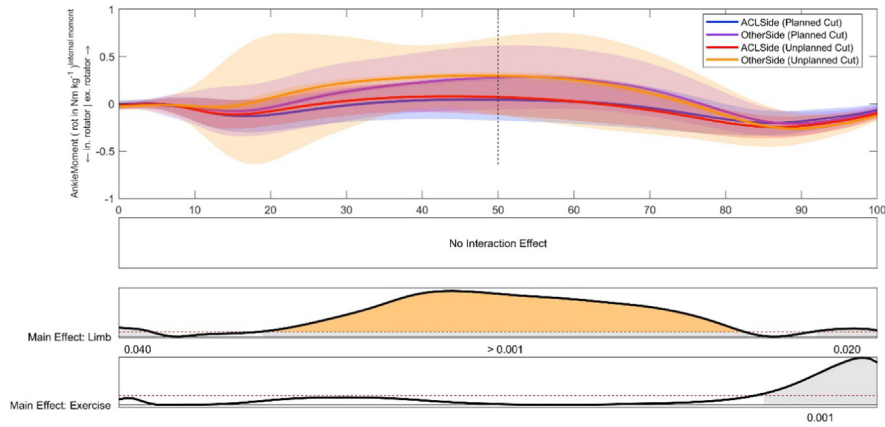
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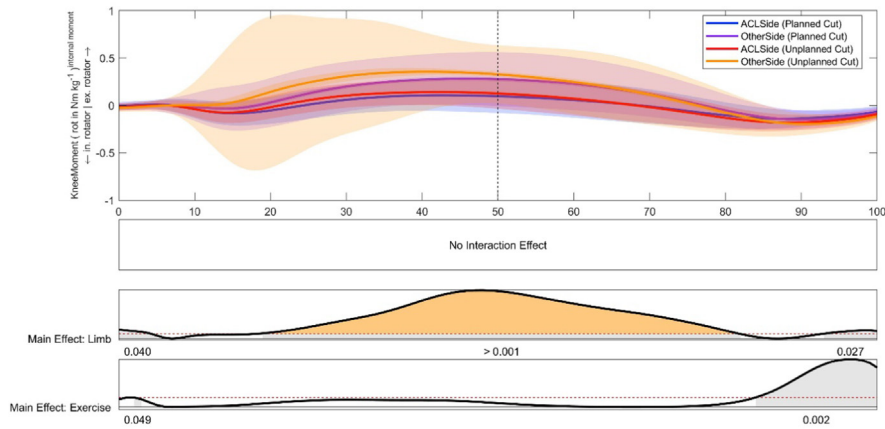
The figures below, representing the joint moments, replace those in Appendix A (no changes to joint angles).
 Knee Moment Frontal



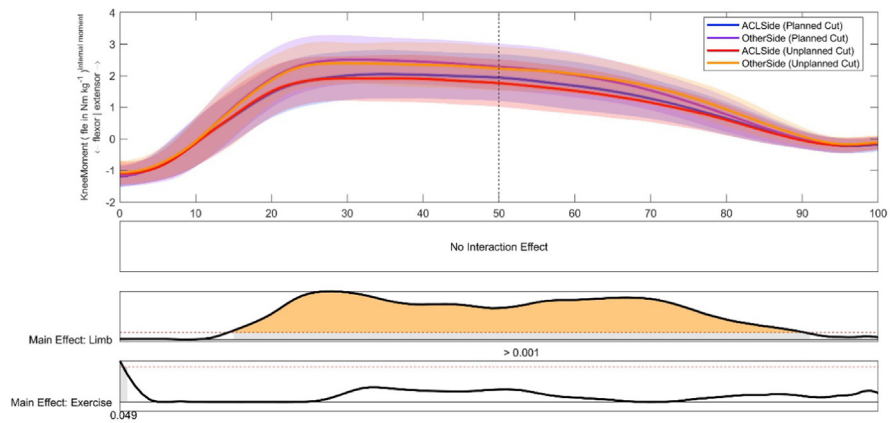
Ankle Moment Transverse



Knee Moment Transverse



Knee Moment Sagittal



The authors would like to apologise for any inconvenience caused.