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Administrator : scienceouverte@ensam.eu



Supplementary materials

Article: Which typical floor movements of men's artistic gymnastics result in the most extreme lumbar lordosis and ground reaction forces?

These supplementary materials present all statistical results, i.e. p-value and effect size. To assist the reader in identifying cases where both p-value was significant (i.e. <0.05) and effect size was large (i.e. >0.5), cells were colored in green. Cases where both p-value was higher than 0.05 and lower than 0.10, and effect size was large were highlighted by a cell colored in orange.

Lumbar flexion/extension

Table S1 : p-values and effect sizes in brackets for Wilcoxon tests on extension angles
In green, $p < 0.05$ and large effect size. In orange, p-value close to be significant ($p < 0.1$) and large effect size.

	Round off back handspring	Front handspring
Round off back handspring	-	0.063 (0.905)
Front handspring	-	-

Table S2 : p-values and effect sizes in brackets for Wilcoxon tests on flexion angles
In green, $p < 0.05$ and large effect size. In orange, p close to be significant ($p < 0.1$) and large effect size.

	Pike jump	Round off back handspring	Front handspring	Forward tucked somersault	Backward tucked somersault
Pike jump	-	0.063 (0.905)	0.031 (0.899)	0.625 (0.302)	1.000 (0)
Round off back handspring	-	-	0.063 (0.063)	0.125 (0.913)	0.250 (0.926)
Front handspring	-	-	-	0.063 (0.905)	0.125 (0.913)
Forward tucked somersault	-	-	-	-	0.500 (0.617)
Backward tucked somersault	-	-	-	-	-

Table S3 : p-values and effect sizes in brackets for Wilcoxon tests on ROM values
In green, $p < 0.05$ and large effect size. In orange, p close to be significant ($p < 0.1$) and large effect size.

	Pike jump	Round off back handspring	Front handspring	Forward tucked somersault	Backward tucked somersault
Pike jump	-	0.125 (0.784)	1.000 (0.043)	0.063 (0.905)	0.125 (0.913)

Round off back handspring	-	-	0.063 (0.063)	0.125 (0.913)	1.000 (0)
Front handspring	-	-	-	0.063 (0.905)	0.250 (0.730)
Forward tucked somersault	-	-	-	-	0.250 (0.926)
Backward tucked somersault	-	-	-	-	-

