

Table 2. Summary of Force Plate SDF Statistical Results

		Force Plate Data MANOVAs						
		INDEPENDENT VARIABLES						
		Epoch	Task	Tool	Epoch x Task	Epoch x Tool	Task x Tool	Epoch x Task x Tool
AP COP MANOVA	p-value	<.001	.401	.120	.249	.340	.159	.589
	effect size	(.74)	(.46)	(.65)	(.28)	(.24)	(.62)	(.17)
DEPENDENT VARIABLES								
SDF Area	p-value	.026						
	effect size	(.28)						
Hurst Exponent	p-value	<.001						
	effect size	(.69)						
Critical Point	p-value	.055						
	effect size	(.26)						
Diffusion Coef.	p-value	.096						
	effect size	(.19)						
SDF Halfway Mag.	p-value	.026						
	effect size	(.28)						
ML COP MANOVA	p-value	.005	.132	.632	.189	.071	.347	.224
	effect size	(.56)	(.64)	(.34)	(.31)	(.39)	(.49)	(.29)
DEPENDENT VARIABLES								
SDF Area	p-value	.032			.049 ²			
	effect size	(.27)			(.24)			
Hurst Exponent	p-value	.004						
	effect size	(.39)						
Critical Point	p-value	.465						
	effect size	(.06)						
Diffusion Coef.	p-value	.048			.031 ²			
	effect size	(.28)			(.27)			
SDF Halfway Mag.	p-value	.017						
	effect size	(.31)						
WF MANOVA	p-value	.006	.115	.586	.230	.020	.170	.117
	effect size	(.55)	(.66)	(.36)	(.29)	(.48)	(.61)	(.35)
DEPENDENT VARIABLES								
SDF Area	p-value	.145			.046 ²	.69		
	effect size	(.16)			(.244)	(.02)		
Hurst Exponent	p-value	.004				.009		
	effect size	(.40)				(.35)		
Critical Point	p-value	.41				.043		
	effect size	(.07)				(.25)		
Diffusion Coef.	p-value	.113			.028 ²	.87		
	effect size	(.18)			(.28)	(.01)		
SDF Halfway Mag.	p-value	.070				.90		
	effect size	(.22)				(.001)		
		Epoch	Task	Tool	Epoch x Task	Epoch x Tool	Task x Tool	Epoch x Task x Tool

AP COP Epoch Post Hocs			ML COP Epoch Post Hocs			POST HOC CONTRASTS FOR WF MANOVA					
	Phases			Phases			Epoch		Epoch X Tool		
	1 vs 2	2 vs 3		1 vs 2	2 vs 3		Phases	Phases	Phases	Phases	
							1 vs 2	2 vs 3		1 vs 2	2 vs 3
SDF Area	.342 (.08)	.091 (.24)		.880 (.00)	.027 (.37)	SDF Area					
Hurst Exp	.040 (.33)	<.001 (.73)		.965 (.00)	.007 (.50)	Hurst Exp	.480 (.05)	.003 (.58)		.017 (.42)	.279 (.11)
Crit Point						Crit Point				.038 (.34)	.008 (.49)
Diff Coef				.976 (.00)	.007 (.50)	Diff Coef					
SDF Half	.550 (.03)	.067 (.27)		.918 (.00)	.018 (.41)	SDF Half					

Note 1: ¹ Indicates that the p-value for this dependent variable is included, whether significant or not, even though the MANOVA for this factor was not significant, because it was an a priori prediction.

Note 2: ² Indicates the univariate p-value for this variable was significant, but this p-value will not be interpreted by us because the MANOVA for this factor was not significant and there was no a priori prediction. These values are only included for future speculation.

General Rules followed in constructing this table.

1. The statistical significance level for all entries in this table was set to $p < .05$.
2. For each effect, the p-value is in the first line, and the effect size (eta squared) is within parenthesis in the second line.
3. Results from a priori predictions are included and marked with superscript 1 and printed in **black-bold** if statistically significant or in gray if not.
4. All MANOVA results are included and printed in **black-bold** if significant or in gray if not.
5. All univariate results are included if the corresponding multivariate factor was significant. These univariate results are printed in **black-bold** if significant or in gray if not.
6. All other univariate results are omitted unless significant, in which case they are superscripted 2 and printed in gray.
7. The inclusion of post hoc results for Epoch and its interactions followed analogous rules as in 5 and 6 above.
8. Only those results printed in **black-bold** are interpreted by us in this paper.