Table SIa: Statistical results of the behavioural data: error analyses

Errors	F (df)	p	eta²	z
Group	(1,18)=8.92	.008	.33	
Non parametric check			**Exact p**	**z**
Group	U=11.0		.004	-2.77
View	(1,18)=14.28	.001	.44	
Non parametric check			**Exact p**	**z**
View			.005	-2.68
Rotation	(1,18)=3.51	.077	.16	
Non parametric check			**Exact p**	**z**
			.099	-1.65
Hand	(1,18)=2.35	.143	.12	
Non parametric check			**Exact p**	**z**
			. 749	-0.32
Group*Hand	(1,18)=5.63	.029	.24	
Group*View	(1,18)=4.73	.043	.21	
Non parametric check			**Exact p**	**z**
Back view stimuli	U=31.0		.219	-1.23
Palm view stimuli	U=11.5		.004	-2.76
Group*Rotation	(1,18)=0.78	.388	.04	
Group*Rotation*Hand	(1,18)=1.96	.179	.10	
Group*Rotation*View	(1,18)=1.13	.302	.06	
Group*Hand*View	(1,18)=0.19	.668	.01	
Group*Rotation*Hand*View	(1,18)=0.00	.955	.00	
Rotation*Hand	(1,18)=1.05	.318	.06	
Rotation*View	(1,18)=1.13	.302	.06	
Rotation*Hand*View	(1,18)=2.41	.138	.12	
Hand*View	(1,18)=0.46	.508	.03	
PostHoc TD-group			**Exact p**	**z**
View			.070	-1.81
Rotation			.395	-0.85
Hand			.085	-1.72
PostHoc CP-group			**Exact p**	**z**
View			.028	-2.00
Rotation			.142	-1.47
Hand			.234	-1.19

Table SIb: Statistical results of the behavioural data: response times

RTs	F (df)	p	eta²
Group	(1,18)=0.10	.752	.01
Rotation	(1,18)=1.24	.280	.07
Hand	(1,18)=0.02	.883	.00
View	(1,18)=6.99	.017	.28
Group*Rotation	(1,18)=0.67	.425	.04
Group*Hand	(1,18)=0.98	.335	.00
Group*View	(1,18)=0.03	.874	.00
Rotation*Hand	(1,18)=0.42	.524	.02
Rotation*View	(1,18)=6.40	.021	.26
Hand*View	(1,18)=0.52	.481	.03
Group*Rotation*Hand	(1,18)=0.03	.875	.00
Group*Rotation*View	(1,18)=1.00	.330	.06
Group*Hand*View	(1,18)=2.67	.120	.13
Rotation*Hand*View	(1,18)=0.86	.366	.05
Group*Rotation*Hand*View	(1,18)=0.90	.356	.05
PostHoc back view TD-group	**F (df)**	**p**	**eta²**
Rotation	(1,12)=1.52	.241	.11
Hand	(1,12)=0.02	.887	.00
Rotation*Hand	(1,12)=0.08	.335	.08
PostHoc back view CP-group	**F (df)**	**p**	**eta²**
Rotation	(1,6)=0.37	.568	.06
Hand	(1,6)=0.88	.386	.13
Rotation*Hand	(1,6)=0.44	.533	.07
PostHoc palm view TD-group	**F (df)**	**p**	**eta²**
Rotation	(1,12)=6.36	.027	.35
Hand	(1,12)=0.58	.462	.05
Rotation*Hand	(1,12)=0.11	.744	.01
PostHoc palm view CP-group	**F (df)**	**p**	**eta²**
Rotation	(1,6)=0.27	.621	.04
Hand	(1,6)=2.22	.187	.27
Rotation*Hand	(1,6)=0.89	.383	.13