

A. Tool use pantomime planning vs. linguistic control**Right Hand ($z \geq 2.3$, $p < 0.05$, clusterwise corrected for multiple comparisons)**

Region	MNI			Peak value z-max
	coordinates			
	x	y	z	
Left caudal Ventral Premotor Area (cPMv)	-54	2	22	3.98
Left Dorsal Premotor Area (PMd)	-30	-12	50	5.00
Left Intraparietal Sulcus (IPS)	-46	-46	50	4.75
Left Supramarginal Gyrus (SMG)	-58	-36	30	3.41
Left Superior Parietal Gyrus (SPG)	-10	-72	50	4.48
Left caudal Middle Temporal Gyrus (cMTG)	-58	-70	-6	3.82
Left rostral Middle Frontal Gyrus (rMFG)	-34	46	34	3.93
Left Thalamus	-16	-8	-2	3.78
Left Supplementary Motor Area (SMA)	-8	-10	60	3.99
Left anterior Cingulate Gyrus	-8	6	42	3.99
Left Motor Cortex	-34	-26	60	3.79
Left Cerebellum	-40	-54	-40	4.43
Right Dorsal Premotor Area (PMd)	28	-12	58	3.85
Right Superior Parietal Gyrus (SPG)	14	-70	50	3.84
Right cerebellum	32	-56	-38	4.52

B. Intransitive gesture planning vs. linguistic control**Right Hand ($z \geq 2.3$, $p < 0.05$, clusterwise corrected for multiple comparisons)**

Region	MNI			Peak value z-max
	coordinates			
	x	y	z	
Left Dorsal Premotor Area (PMd)	-28	-10	48	4.41
Left Intraparietal Sulcus (IPS)	-42	-46	58	4.60
Left Supramarginal Gyrus (SMG)	-56	-38	48	4.11
Left Superior Parietal Gyrus (SPG)	-12	-76	52	3.99
Left caudal Middle Temporal Gyrus (cMTG)	-48	-62	2	3.71
Left rostral Middle Frontal Gyrus (rMFG)	-34	44	34	4.10
Left Insular Cortex	-54	6	-2	3.51
Left Supplementary Motor Area (SMA)	-6	-10	60	3.00
Left Inferior Temporal Gyrus	-52	-72	-14	3.10
Left anterior Cingulate Gyrus	-8	6	42	3.10
Left Fusiform Gyrus	-44	-58	20	3.00
Right Fusiform Gyrus	56	-50	-20	3.42
Right Pre-Supplementary Motor Area (Pre-SMA)	4	8	58	2.94
Right cerebellum	46	-52	-42	4.03

C. Tool use pantomime planning vs. linguistic control**Left Hand ($z \geq 2.3$, $p < 0.05$, clusterwise corrected for multiple comparisons)**

Region	MNI			Peak value z-max
	coordinates			
	x	y	z	
Left Dorsal Premotor Area (PMd)	-30	-8	54	3.80
Left Intraparietal Sulcus (IPS)	-42	-48	54	3.44
Left Supramarginal Gyrus (SMG)	-52	-38	34	3.51
Left Supplementary Motor Area (SMA)	-6	4	50	3.13
Left Cerebellum	-24	-52	-32	3.70
Right Dorsal Premotor Area (PMd)	28	-10	58	3.46
Right Pre-Supplementary Motor Area (Pre-SMA)	10	8	50	3.15

D. Intransitive gesture planning vs. linguistic control**Left Hand ($z \geq 2.3$, $p < 0.05$, clusterwise corrected for multiple comparisons)**

Region	MNI			Peak value z-max
	coordinates			
	x	y	z	
Left Dorsal Premotor Area (PMd)	-28	-10	48	3.49
Left Intraparietal Sulcus (IPS)	-36	-44	42	3.55
Left Supramarginal Gyrus (SMG)	-62	-36	48	3.10
Left rostral Middle Frontal Gyrus (rMFG)	-32	40	34	3.63

E. Peak Coordinates for Region of Interest (ROI) clusters: Transitive > Rest**Right Hand ($z \geq 3.1$, $p < 0.05$, clusterwise corrected for multiple comparisons)**

Region	MNI			Peak value z-max
	coordinates			
	x	y	z	
Left caudal Ventral Premotor (cPMv)	-52	0	28	3.99
Left Dorsal Premotor (PMd)	-28	-10	50	4.85
Left Intraparietal Sulcus/Supramarginal gyrus (IPS/SMG)	-44	-50	38	4.37
Left Superior Parietal Gyrus (SPG)	-14	-76	50	4.47
Left caudal Middle Temporal Gyrus (cMTG)	-54	-72	-10	4.49
Left rostral Middle Frontal Gyrus (rMFG)	-34	44	36	4.46