Supplement to MOTHER-INFANT SOCIAL GAZE DYNAMICS RELATE TO

INFANT BRAIN ACTIVITY AND WORD SEGMENTATION

Supplementary Material 3

Table S3_1

RR of infants' brain activity (HbO) and social gaze predicted by ROIs and types of social gaze dynamics. R formula: lmer (log RR ~ ROI * dynamics type + (1 + dynamics type | dyad))

	log (normalized Recurrence Rate)		
Predictors	*Estimates*	*CI*	*p*
(Intercept)	-2.20	-2.38 – -2.02	**<0.001**
ROI [lTPJ]	-0.02	-0.14 – 0.10	0.756
ROI [rTPJ]	0.01	-0.11 – 0.13	0.860
Contr maternal coord. vs other	0.93	0.50 – 1.36	**<0.001**
Contr infant coord. vs coupling	-0.20	-0.66 – 0.27	0.406
ROI [lTPJ] * Contr maternal coord. vs other	0.07	-0.20 – 0.34	0.596
ROI [rTPJ] * Contr maternal coord. vs other	0.09	-0.19 – 0.36	0.533
ROI [lTPJ] * Contr infant's coord. vs coupl.	-0.14	-0.43 – 0.15	0.344
ROI [rTPJ] * Contr infant's coord. vs coupl.	-0.10	-0.39 – 0.19	0.498
Random Effects			
σ^2	0.14		
$\tau_{00 \text{ Dyad}}$	0.16		
ICC	0.80		
N $_{\text{Dyad}}$	26		

Note. Number of observations: 212. The reference level for ROI is *prefrontal*.

Table S3_2

RR of infants' brain activity (HbO) and social gaze predicted by ROIs and types of social gaze dynamics

Predictors	Estimates	CI	p
	log (normalized Recurrence Rate)		
(Intercept)	-1.58	-1.89 – -1.26	**<0.001**
ROI [lTPJ]	0.03	-0.20 – 0.26	0.802
ROI [rTPJ]	0.07	-0.16 – 0.30	0.558
Contr maternal vs infant's coord.	-0.83	-1.39 – -0.28	**0.003**
Contr maternal coord. vs coupling	-1.03	-1.43 – -0.62	**<0.001**
ROI [lTPJ] * Contr mat. vs infant's coord.	-0.00	-0.31 – 0.30	0.983
ROI [rTPJ] * Contr mat. vs infant's coord.	-0.04	-0.34 – 0.27	0.817
ROI [lTPJ] * Contr mat. coord. vs coupl.	-0.14	-0.45 – 0.17	0.362
ROI [rTPJ] * Contr mat. coord. vs coupl.	-0.14	-0.44 – 0.17	0.386

Random Effects

σ^2	0.14		
$\tau_{00 \text{ Dyad}}$	0.41		
ICC	0.80		
N_{Dyad}	26		

Note. Number of observations: 212. The reference level for ROI is *prefrontal*.