



Figure 1. Early brain-behavior interactions in opioid-exposed neonates. Connections shown on the left panel positively correlate with nonoptimal reflex subscale scores on the NNNS-II in opioid-exposed neonates. The most involved regions include the limbic, paralimbic, and occipital areas. The right panel displays connections where connectivity strength is negatively associated with quality of movement subscale scores, with the left superior temporal pole frequently implicated. **Abbreviations:** R, right; L, left; AMYG, amygdala; PHG, parahippocampal gyrus; HIP, hippocampus; MOG, middle occipital gyrus; SOG, superior occipital gyrus; TPOsup, superior temporal pole.