

Supplementary material

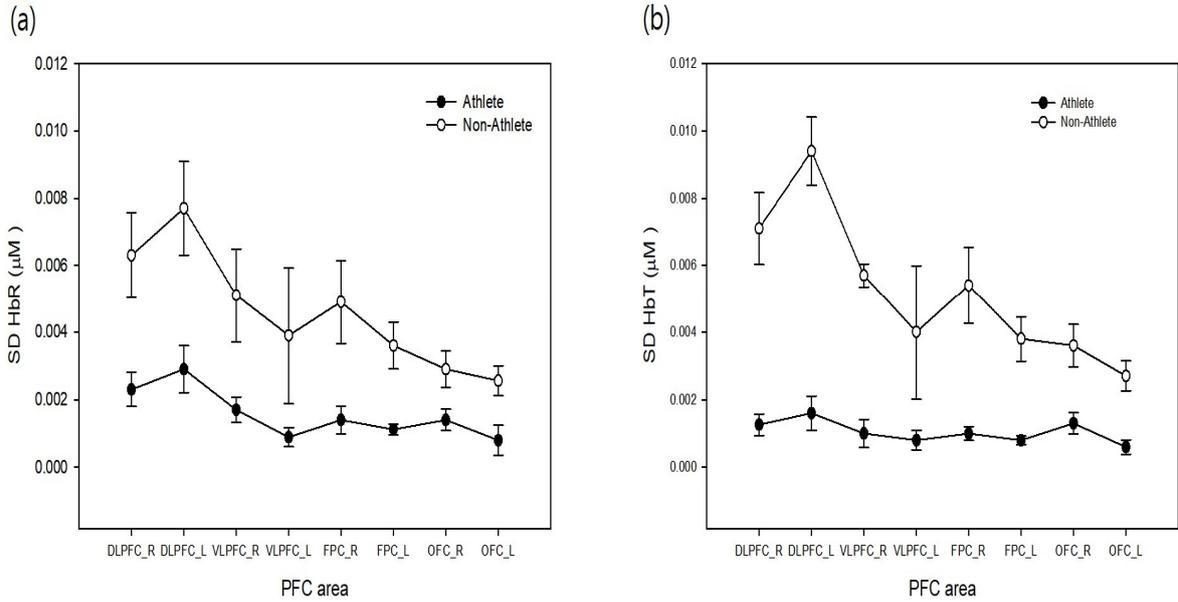
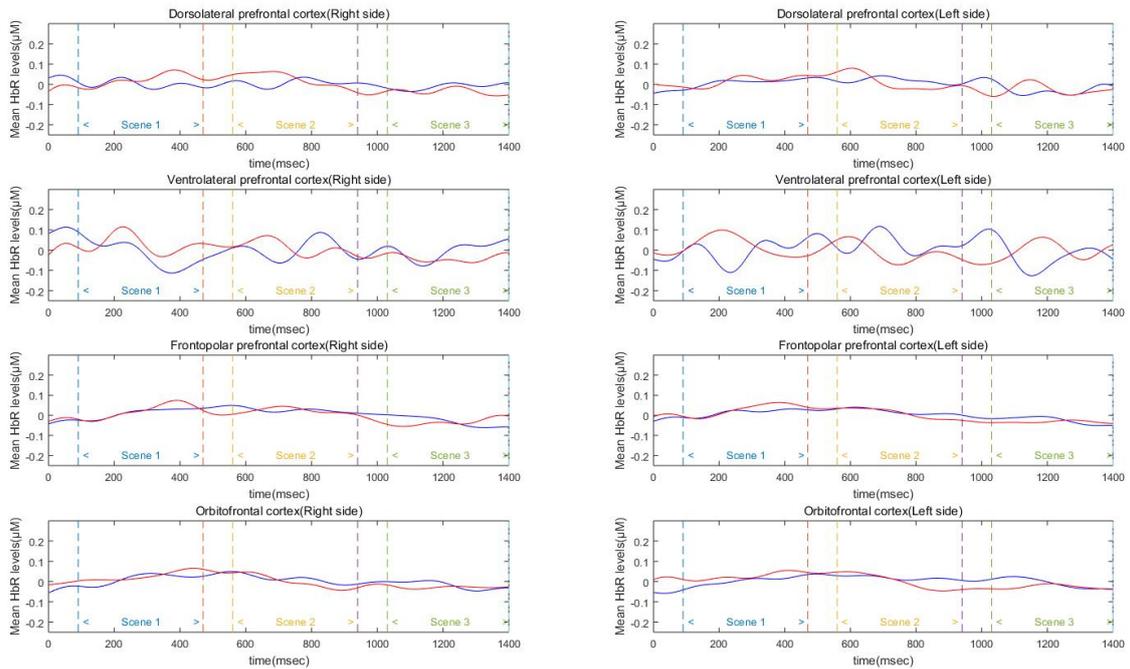
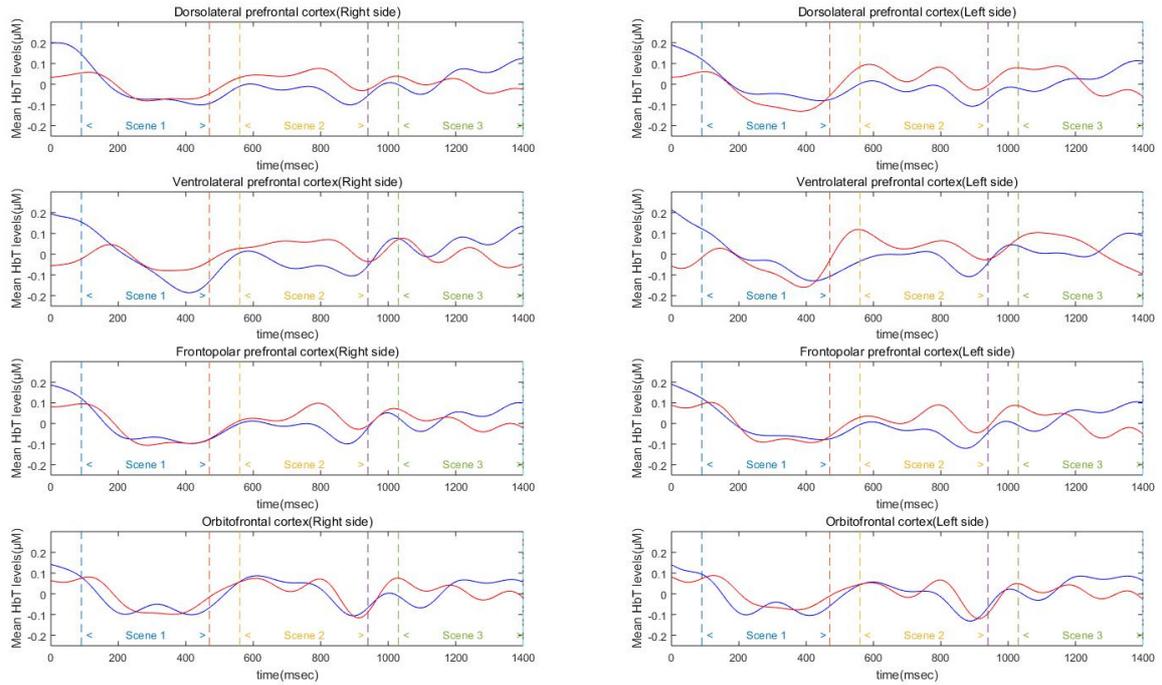


Figure S1. Standard deviation of HbR (a) and HbT (b) level in PFC area from athlete (●) and non-athlete (○) group during the simulation task. Error bar represent SE.



(a)



(b)

Figure S2. Mean HbR (a) and HbT (b) levels in PFC area (left and right DLPFC, VLPFC, FPC, and OFC) of athletes (blue line) and non-athlete collegiate (red line) during the simulation task.

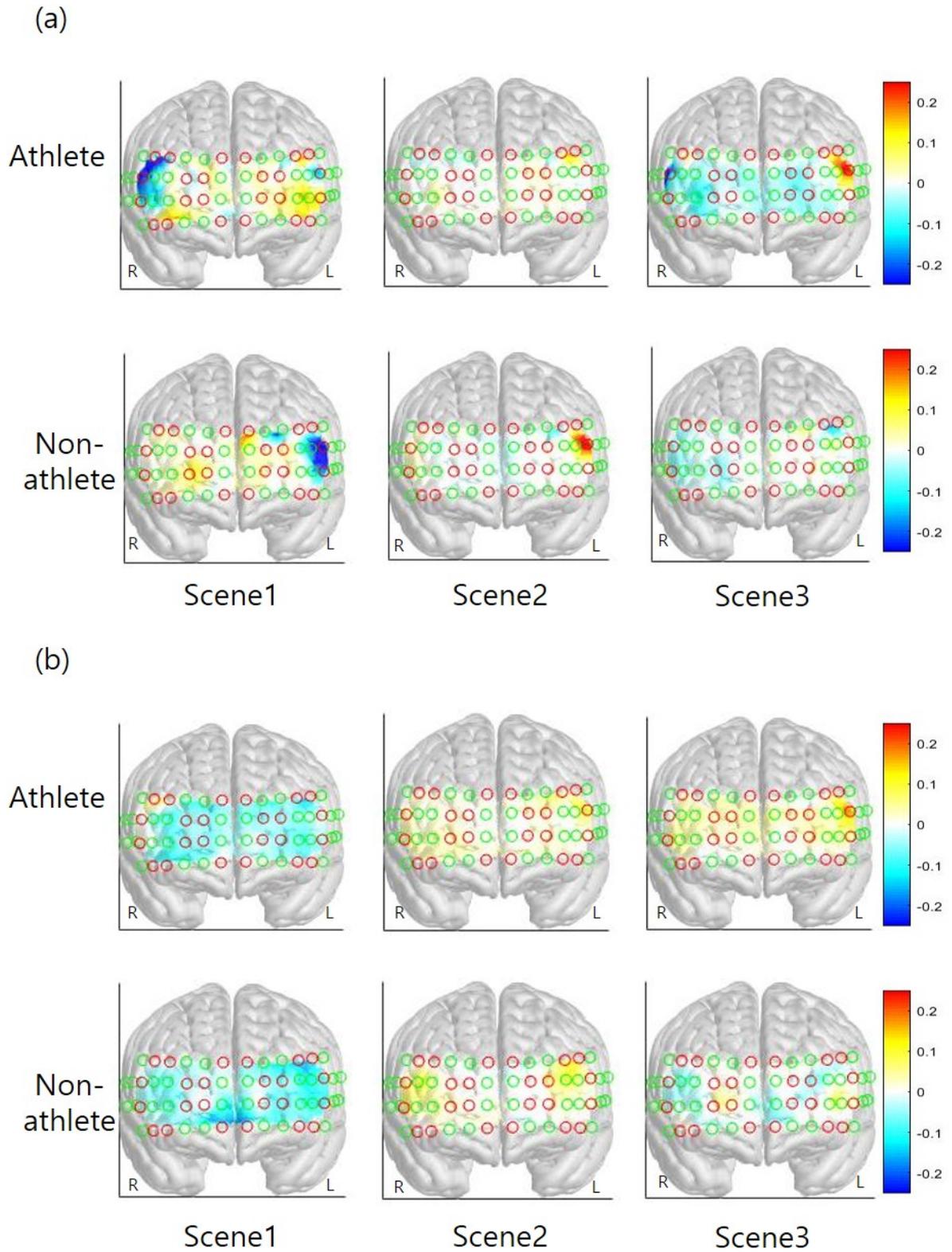


Figure S3. Activation maps illustrate the average HbR (a) and HbT (b) level obtained from 0 to 39s across each scene for the athlete and non-athlete collegiate group. Red and green circles denote the sources and detectors, respectively. R indicates the right-hemisphere and L refers to the left-hemisphere.