

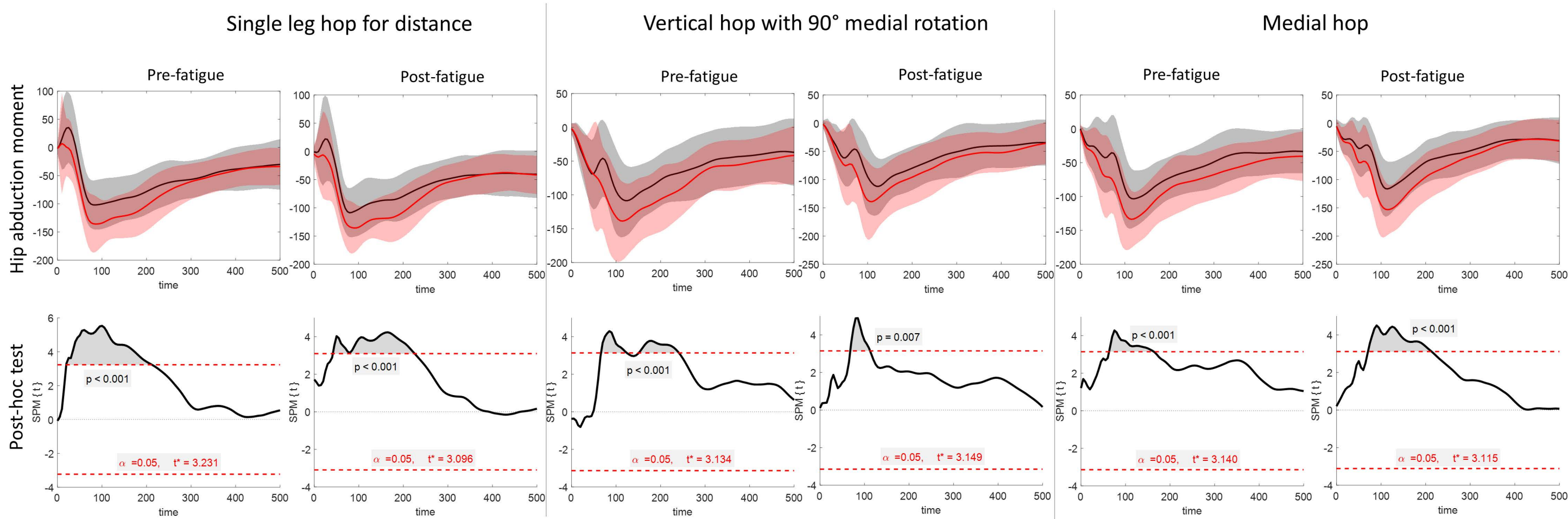


Fig. S3. Upper row: average hip abduction moments in the dominant-legs (black) and in the non-dominant-legs (red) during the landing phase (from IC until 500ms after IC) of the 3 landing tasks. Standard deviation clouds are represented by the shaded zones. Lower row: the SPM t-curve (black line) crosses the critical threshold (horizontal dashed line) indicating between leg differences.