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Interestingly, there is evidence of different motor control strategies employed by dominant and non-dominant arms during motor tasks (Pereira et al., 2012), which could influence the neural adaptations associated with the cross-transfer effect. Presently, however, there have been no studies conducted to investigate the influence of limb

We submitted 21 volunteers (19.0 \pm 1.7 yr; 66.4 \pm 8.5 kg; 1.76 \pm 0.07 m), healthy and non-active men, to two bouts of upper limb damaging exercise. The volunteers were randomly divided into 3 groups: N-N (n = 7) that carried out 2 exercise bouts with non-dominant arm (control); N-D (n = 7) that carried out the first bout with non-

of transition and for any means, either electronic, mechanic or

dominance on the cross-transfer effect related to RBE.