

Figure 1: *Ex vivo* vasoreactivity of aortic rings to phenylephrine (Phe). X axis: Increasing concentration of phenylephrine expressed in logarithm of Phenylephrine [M]. Y axis: contraction of the vessel in mN.mm⁻¹. The symbols represent median. Upper edges of error bars represent 75th percentile in each group. *: Vasoreactivity is significantly improved in the ADAPTED group compared to the other groups ($p < 0.05$).

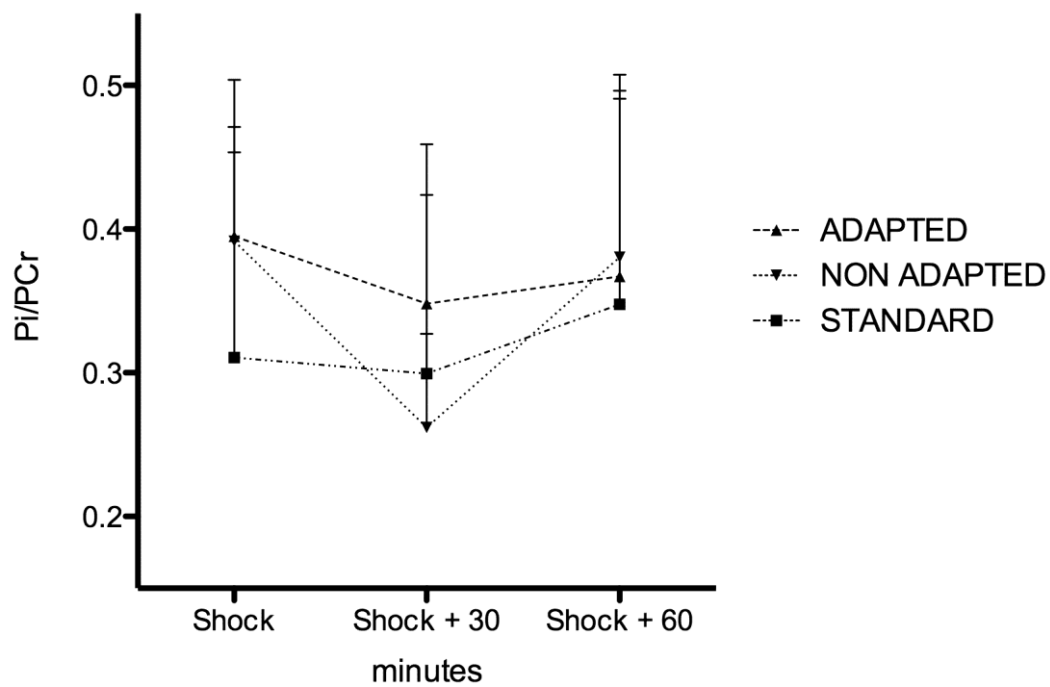


Figure 2: Course of high-energy phosphates (Pi/Pcr) in striated muscle in ADAPTED, NON ADAPTED and STANDARD groups. The symbols (point, squares and triangles) represent median. Upper edges of error bars represent 75th percentile in each group. X axis : time in minutes. Y axis : Pi/Pcr ratio (inorganic Phosphate/ Phosphocreatine).

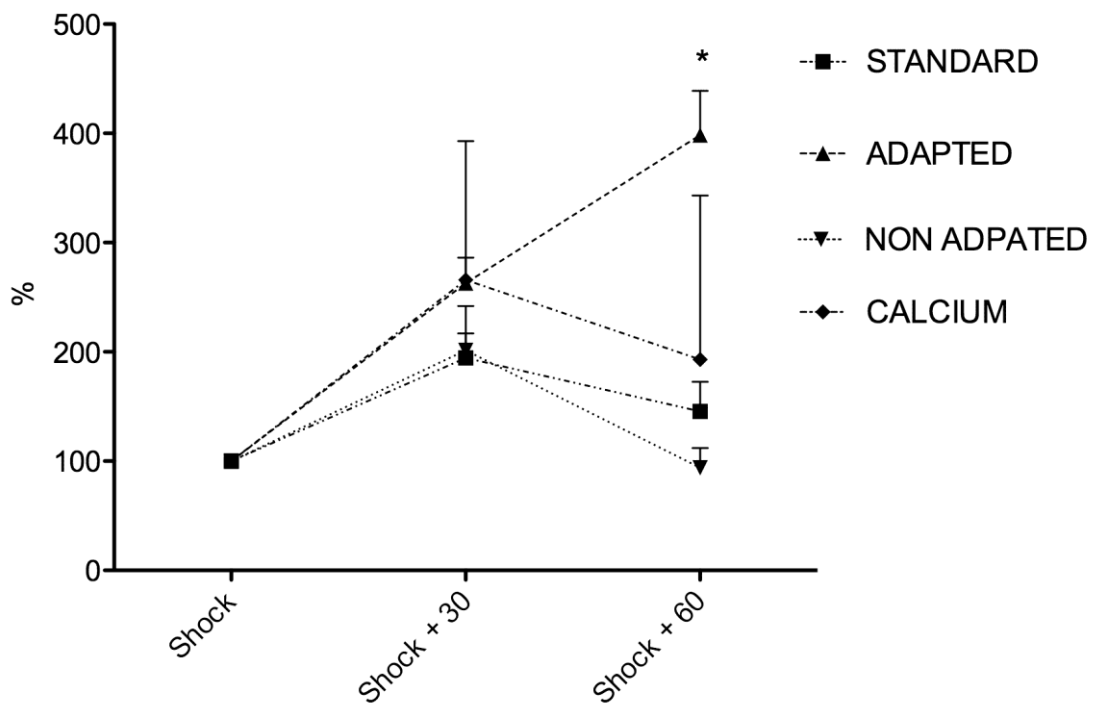


Figure 3: Change (%) in Emax from establishment of shock (100%), and 30 min and 60 min thereafter. X axis: time in minutes. Y axis: Variation of Emax in %. The symbols (point, squares and triangles) represent median. Upper edges of error bars represent 75th percentile in each group *: At 60 min, Emax was significantly improved in the ADAPTED group compared to the other groups ($p < 0.05$).

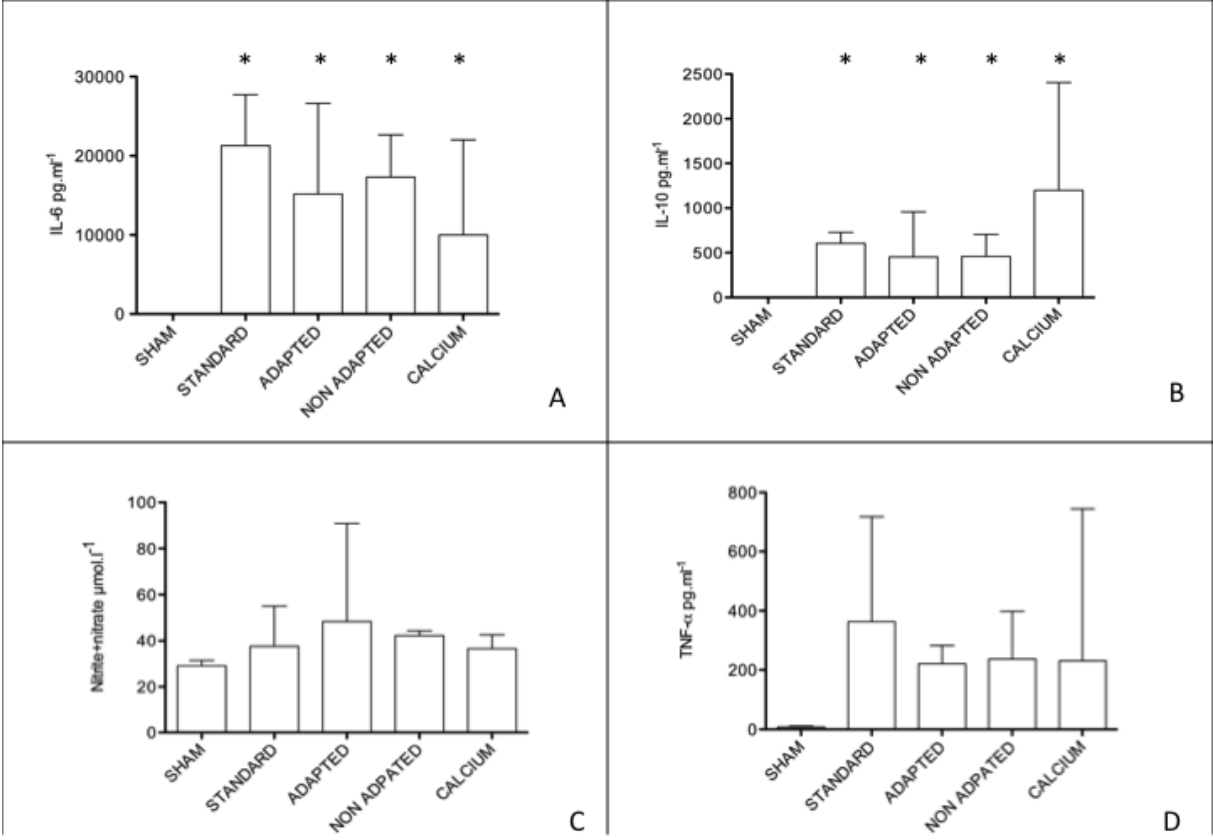


Figure 4: Effect of the different treatment strategies on plasma levels of IL-6 (A, X axis: groups, Y axis: IL-6 level in pg.ml⁻¹); IL-10 (B, X axis: groups, Y axis: IL-10 level in pg.ml⁻¹); Nitrite+Nitrate (C, X axis: groups, Y axis: Nitrite+Nitrate level in μmol.l⁻¹); TNF-α (D, X axis: groups, Y axis: TNF-α level in pg.ml⁻¹) Upper edges of error bars represent 75th percentile in each group (* = p < 0.05).

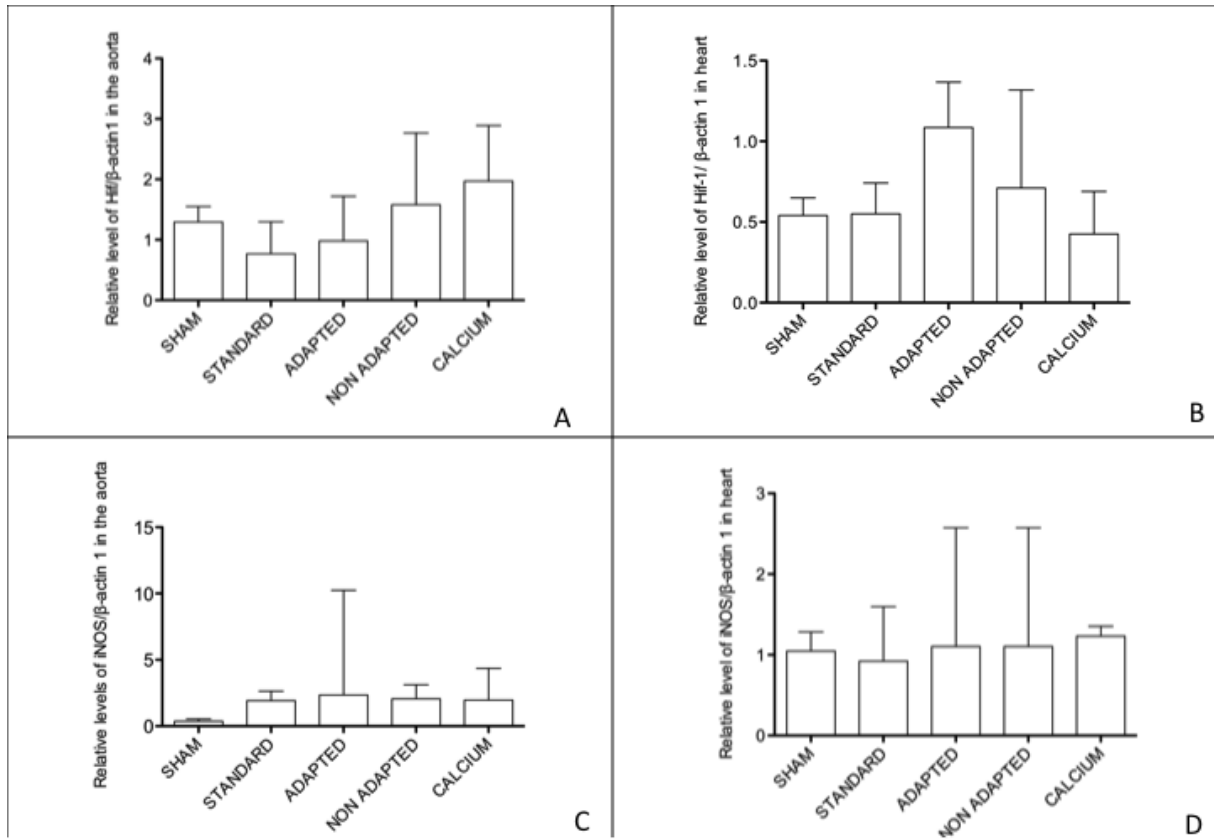


Figure 5: Effect of the different treatment strategies on the expression levels of Hif-1 mRNA (A and B, X axis: groups, Y axis: relative level of Hif-1/ β -actin-1) and iNOS mRNA (C and D, X axis: groups, Y axis: relative level of iNOS/ β -actin-1) in heart and aorta. Upper edges of error bars represent 75th percentile in each group.