

Supplemental Figure 1

Schematic illustration of the experimental protocol. Sixteen Wistar rats were divided in two groups (n=8 in each group). The exercise group (E) performed electrically stimulated muscle contractions of one hindlimb for 30 minutes with the contralateral leg serving as a control leg. The exercise-cuff group (EC) performed similar muscle contractions but additionally had a tight cuff around the contracted leg from the cessation of the muscle contractions until the end of the early PET scan. In both groups the tracer ^{64}Cu ATSM was injected after 10 minutes of muscle contractions. An early (0 to 30 minutes post-contractions) and a late PET scan (60 to 90 minutes post contractions) were performed with a CT scan for anatomical information.

