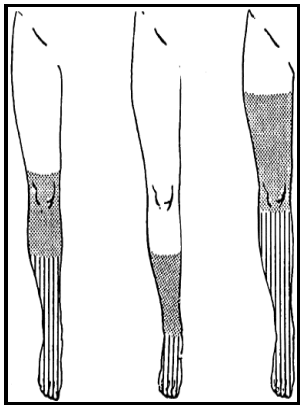
Studies in skeletal muscle ischaemia

University of Birmingham - The role of mast cells and fibre type in ischaemia reperfusion injury of murine skeletal muscles



Description: -
-Studies in skeletal muscle ischaemia
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Notes: Thesis (Ph.D.) - University of Birmingham, Department of Physiology, School of Medicine, Faculty of Medicine.
This edition was published in 1999

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Tags: #Reperfusion #injury #in #skeletal #muscle: #a #prospective #study #in #patients #with #acute #limb #ischaemia #and #claudicants #treated #by #revascularization

A Histological Study of Skeletal Muscle in Acute Ischemia

Studies on the microvascular changes to enable maintenance of MTrPs have not been performed. Only 78 of these were suitable from abstract review, of which 15 were unobtainable and a further nine were identified from hand-searching references see figure 1.

Reperfusion injury in skeletal muscle: a prospective study in patients with acute limb ischaemia and claudicants treated by revascularization

MTrPs are clinically classified as active or latent.

Assessment of the effects of ischaemia/ hypoxia on angiogenesis in rat myofascial trigger points using colour Doppler flow imaging [PeerJ]

Both sides of each muscle slice were post-fixed in 10% buffered formal saline BFS and analysed under a dissecting microscope for viable tissue, which was identified by its blue reaction product.

Ischaemia and reperfusion effects on skeletal muscle tissue: morphological and histochemical studies

Journal of Vascular Research, 46, 365-374. The objective of this study was to investigate the effects of iloprost a Pgl2 analog and NAC on ischemia-reperfusion injuries to the gastrocnemius muscle following an occlusion-reperfusion period in infrarenal abdominal aorta of rats. All the metabolites were affected and within 120 min the changes were restored back to normal values.

Assessment of the effects of ischaemia/ hypoxia on angiogenesis in rat myofascial trigger points using colour Doppler flow imaging [PeerJ]

The hydroxylamine form returns to 3-CP through oxidation and the MRI signal is produced again. Upregulation of the transcription factor in

response to blood flow ensures remodelling of the vasculature to adapt the vascular pattern to local tissue needs. However, the sizes and shapes of muscle fibres from normal controls were uniform.

A Histological Study of Skeletal Muscle in Acute Ischemia

The other gracilis muscle was used as a control.

Apolipoprotein E

Muscle tissue specimens were stored in 10% formaldehyde solution. Vascular Endothelial Growth Factor VEGF Ischaemia induces arteriogenesis in the surrounding normal vasculature, the role of VEGF in this is uncertain.

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