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Skeletal muscle mitochondrial health and spinal cord injury

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Early induction of secondary **injury** factors causing activation of calpain and **mitochondria** - mediated neuronal apoptosis following **spinal cord injury** in rats

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... that this activity coincided with changes in expression of proteins associated with **mitochondrial health** as well as ... calpain content, and Bax to Bcl-2 ratio with distressed **mitochondria**; the appearance ... If these events are targeted for treatment of SCI, **mitochondrial** structure may be ...

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Effects of electrical stimulation-induced leg training on **skeletal muscle** adaptability in **spinal cord injury**

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... been found to be significantly increased in both the soleus and gastrocnemius **muscles**. ... of extrapolating animal data to the human situation when investigating **muscular** adaptation. ... of high-intensity strength and endurance training on hormonal and **skeletal muscle** adaptations. ...

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R Scelsi - BAM-PADOVA, 2001 - bio.unipd.it

... The de- scribed **muscular** changes in paraplegics are reversible ... in reflex function, such as loss of reciprocal inhibition, cocontraction of agonist and an- tagonist **muscles** and the ... [30] Poggi P, Marchetti C, Scelsi R. Automatic mor- phometric analysis of **skeletal muscle** fibres in the ...

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... **Skeletal muscles** contain titin isoforms varying in size between approximately 3.3 and at least 3.7 MDa (Freiburg et al. ... 2005). The titin isoform size of human vastus lateralis **muscles** was found to be similar (~3.7 MDa) to that of the human soleus **muscle**, for which the titin ...

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