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Cu(II) content in the structures of the peripheral nervous system at their damage

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Abstract

Employing electron paramagnetic resonance with diethyldithiocarbamate as a spin trap it was shown that after the transection of the rat sciatic nerve the Cu(II) content increased in the proximal stump and did not change in the distal stump. No changes of the Cu(II) content in dorsal root ganglia L4-L5 containing sensory neurons with their peripheral processes in the damaged nerve were registered. © Springer-Verlag 2006.
