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Nitric Oxide Production in the Rat Spinal Cord, Heart, and Liver After Spinal Cord Injury

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Abstract

© 2016, Springer Science+Business Media New York.It has been shown that after 5 h of spinal cord injury, there is a decrease of nitric oxide (NO) production in the spinal cord. Seventy-two hours after the spinal cord injury, the level of NO production in the spinal cord and the heart increases by 2.5 times, and in the liver, it increases threefold. In the chronic period of a traumatic spinal cord disease in the spinal cord tissue, the level of NO production was significantly higher than at the control level.

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Keywords

EPR spectroscopy, Heart, Nitric oxide, Rat, Spinal cord, Spinal cord injury