

# Trends in Neuroprotective Strategies after Spinal Cord Injury: State of the Art (capítulo)

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**Resumen.** Este capítulo presenta una amplia gama de estrategias protectoras, particularmente aquellas con resultados prometedores y aprobadas en estudios preclínicos y clínicos. Se aborda la fisiopatología de la LME y se revisan las estrategias neuroprotectoras como: ciclooxigenasa, inhibidores de la apoptosis y calpaínas, efecto de los ligandos de inmunofilina, péptidos neurales modificados, antioxidantes, agentes hipoglucémicos, hormonas gonadales, bloqueadores de los canales de sodio y trasplante de células cultivadas.

**Abstract.** This chapter presents a wide variety of protective strategies, particularly those with promising results and that were approved in pre-clinical and clinical trials. It addresses the physiopathology of SCI and discusses neuroprotective strategies such as cyclooxygenase, apoptosis and calpain inhibitors, immunophilin ligands, modified natural peptides, antioxidants,

hypoglycemic agents, gonadal hormones, sodium channel blockers, and cultured cell transplants.

**Referencia bibliográfica.**

Rodríguez, R.; Garibay, M., & Ibarra, A. (2019) Trends in Neuroprotective Strategies after Spinal Cord Injury: State of the Art. En *Neuroprotection-New Approaches and Prospects* [Working Title]. doi: 10.5772/intechopen.89539