



Cerebral ischemia : molecular and cellular pathophysiology /

Walz, Wolfgang

Humana Press,
©1999

Electronic books

Monografía

In *Cerebral Ischemia: Molecular and Cellular Pathophysiology*, Wolfgang Walz and a panel of leading authorities illuminate those cellular and molecular mechanisms brought into play during a stroke that lead to neuronal dysfunction. Such damaging factors as spreading depression waves and postischemic depolarization, cell swelling, calcium overload, and oxygen radicals leading to necrosis and apoptosis are described in detail. Also examined are the body's repair mechanisms involving altered gene expression that lead to trophic factor production and heat shock protein synthesis, as well as to astrogliosis and microgliosis. All factors are presented in relation to their therapeutic value and the possible treatment approaches that evolve from their interactions. *Cerebral Ischemia: Molecular and Cellular Pathophysiology* offers clinicians, interested practitioners, and experimentalists alike a systematic evaluation of all the major biological systems that contribute to brain dysfunction after a vascular accident. Its unique focus on mechanisms and gene expression also provides fresh and powerful insights into the many novel therapeutic strategies and agents for stroke management emerging today

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjIwODkxNDc>

Título: Cerebral ischemia molecular and cellular pathophysiology edited by Wolfgang Walz

Editorial: Totowa, N.J. Humana Press ©1999

Descripción física: 1 online resource (ix, 278 pages) illustrations

Mención de serie: Contemporary neuroscience

Bibliografía: Includes bibliographical references and index

Contenido: Ch. 1. Mechanisms of cerebral ischemic damage-- Ch. 2. Spreading depression waves as mediators of secondary injury and protective mechanisms-- Ch. 3. Cell swelling in cerebral ischemia-- Ch. 4. Calcium overload-- Ch. 5. Oxygen radicals-- Ch. 6. Mechanisms of neuroprotective cytokines: pleiotrophic effects of TNF[alpha] and TGF[beta] on brain injury-- Ch. 7. Reprogramming of gene expression after ischemia-- Ch. 8. Neurons: necrotic vs apoptotic changes-- Ch. 9. Reactive astrogliosis in the injured and postischemic brain-- Ch. 10. Activated and phagocytic microglia

Restricciones de acceso: Use copy. Restrictions unspecified star. MiAaHDL

Detalles del sistema: Master and use copy. Digital master created according to Benchmark for Faithful Digital Reproductions of Monographs and Serials, Version 1. Digital Library Federation, December 2002. <http://purl.oclc.org/DLF/benchrepro0212> MiAaHDL

Nota de acción: digitized 2010 HathiTrust Digital Library committed to preserve pda MiAaHDL

Copyright/Depósito Legal: 646733686 945916698 968659077 1001479361 1012468345 1016286082

ISBN: 9781592594795 electronic bk.) 1592594794 electronic bk.) 9781475747355 print) 1475747357 print) 0896035409 acid-free paper) 9780896035409 acid-free paper)

Materia: Cerebral ischemia- Pathophysiology Cerebral ischemia- Pathophysiology. Brain Ischemia-physiopathology

Autores: Walz, Wolfgang

Enlace a formato físico adicional: Print version Cerebral ischemia. Totowa, N.J. : Humana Press, ©1999 (DLC) 98032443 (OCoLC)40489062

Punto acceso adicional serie-Título: Contemporary neuroscience

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es