

Dimethyl Sulfoxide (DMSO) in Trauma and Disease

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For the first time, the collective data on the biological, chemical, and medical actions of DMSO are presented and analyzed from the published scientific literature. This book examines the major clinical uses of DMSO in humans as supported by basic evidence derived from experiments in animals, including its effects in disorders such as osteoarthritis, interstitial cystitis, gastrointestinal inflammatory changes, scleroderma, respiratory distress, myasthenia gravis, cardiac disease, traumatic brain injury, and Alzheimer's disease. The actions of DMSO on pain, cancer, stroke, and spinal cord injury are also discussed.

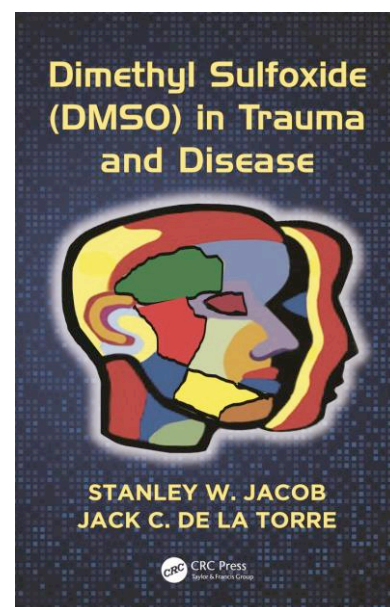
Key Features

- Covers the major basic and clinical research published in the last four decades to explain DMSO's biological actions, medical applications, and potential uses
- Explores how the chemical structure of DMSO is able to react and deactivate toxic molecules generated by DNA damage, free radical formation, inflammation, infection, and tissue injury
- Examines DMSO's action as a free radical scavenger, anti-inflammatory, anti-pain, anti-cancer, cell membrane stabilizer, and neuroprotective agent in preventing and treating trauma and disease
- Discusses the use of DMSO, including its analgesic properties, in disorders such as interstitial cystitis, myasthenia gravis, cardiac disease, traumatic brain injury, stroke, and Alzheimer's disease

Selected Contents

Chemistry of DMSO. DMSO in Basic Pharmacology. DMSO Clinical Pharmacology. DMSO in Genetics. DMSO in Basic Microbiology. DMSO in Clinical Microbiology. DMSO in Malignancy. DMSO in Basic Neuroprotection. DMSO in Clinical Neuroprotection.

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