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Neurorehabilitation & Neural Repair

An International Journal of Translational Science for Researchers and Clinicians

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Neurorehabilitation & Neural Repair is a quarterly publication for clinicians and researchers with an interest in clinical science and the practice of neurological rehabilitation, including neurologists, physiatrists, neurosurgeons, clinical and basic scientists working on neural regeneration and plasticity, rehabilitation nurses, physical, speech, and occupational therapists, neuropsychologists, and engineers. NNR is an international, peer-reviewed publication sponsored by the American Society of Neurorehabilitation and the World Federation for NeuroRehabilitation with its component national societies. The Journal features original clinical and basic research articles, brief communications, reviews, points of view about controversial issues, and book reviews.

Some of the key topics covered in recent issues include cortical remodeling after stroke, traumatic brain injury or spinal cord injury studied by TMS and fMRI, mechanisms of sprouting and regeneration, development of cell lines for transplantation and trophic factor replacement, strategies to promote functional recovery in human patients, multidisciplinary management of neurologic disease, pharmacological management of multiple sclerosis, pharmacology of motor recovery, cognitive rehabilitation, and design of randomized multicenter trials in neurorehabilitation.

The Journal invites clinicians and clinical and basic scientists to contribute original research and reviews on topics including, but not limited to, the following:

- Fundamental mechanisms of sensory, motor, and cognitive changes after injury or induced by rehabilitation strategies
- Neural reorganization, synaptogenesis, neurogenesis, and axon regeneration associated with gene expression, biological interventions, and training paradigms
- Neurotransplantation
- Neurophysiological probes of activity-dependent plasticity such as fMRI and TMS
- Well-designed pilot studies of physical, cognitive, language, neuropsychological, pharmacological neurostimulation, and other potential approaches to lessen disability and to augment procedural or declarative learning
- Controlled clinical trials of interventions
- Epidemiologic and longitudinal studies of disability and rehabilitation
- Research designs, statistical procedures, and outcome measures for neurological rehabilitation
- Multidisciplinary approaches to lessen disability and increase participation in persons with chronic neurological disorders
- Bioengineered, assistive, and robotic devices for training and to manage impairment and disability
The American Society of Neurorehabilitation

The mission of the American Society of Neurorehabilitation (ASNR) is to advance the multidisciplinary pursuits of neurorehabilitation with commitment to sound research, education, and patient care for the impairments and disabilities, restoration, technological advancements, and quality of life and participation in persons with neurological disorders.

The ASNR promotes

- Specialty training and identification of those with expertise in neurorehabilitation
- Professional and public education
- Basic science and clinical research in neurorehabilitation
- Communication and collaboration with people with neurological disorders and related organizations

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