

A comprehensive overview on exciting developments

Current Concepts in Movement Disorder Management

Editors: **Ajay Niranjn, L. Dade Lunsford, R. Mark Richardson**

This book summarizes the current state of movement disorder management and the role of surgical therapies as an alternative to medication.

Following a chapter on the history of movement disorder surgery, leaders in their fields describe the pathophysiology, functional neuroanatomy, clinical presentation, and medical management of Parkinson's disease, dystonia, and essential tremor. This is followed by chapters on the spectrum of movement disorder surgery itself, from the lesioning procedures of radiofrequency ablation, stereotactic radiosurgery, and high-frequency ultrasound to the modulatory procedures of "asleep", image-guided deep brain stimulation (DBS) and "awake", microelectrode-guided DBS. The final chapters focus on closed-loop DBS, drug-delivery, gene therapy, and other emerging neurosurgical therapies, highlighting long-standing experimental strategies that are reaching exciting phases of clinical translation.

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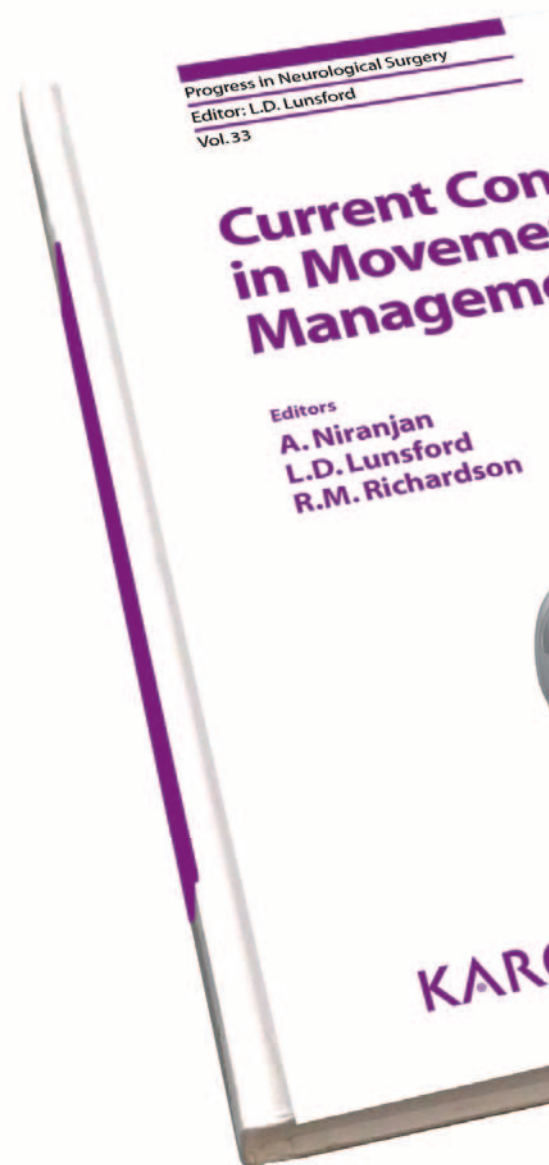
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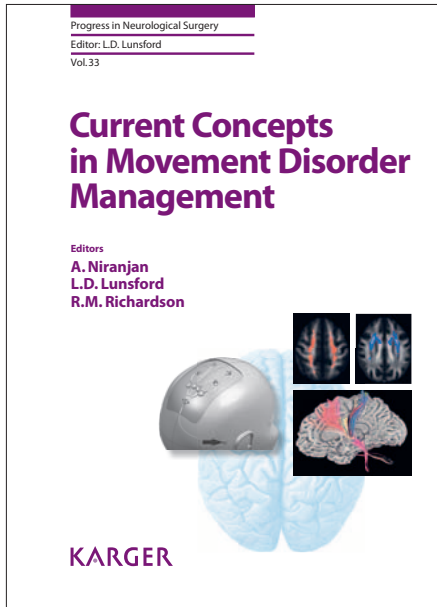


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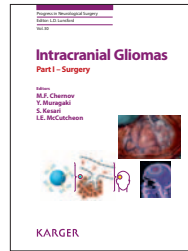
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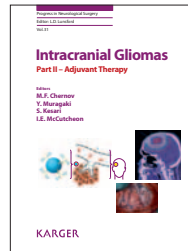
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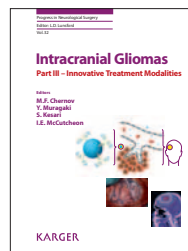
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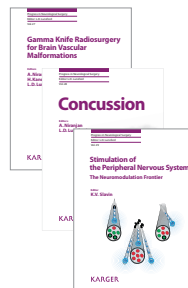


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