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Clinical-Anatomical Contributions to Its Pathophysiology
With an Atlas of the Basal Ganglia in Parkinsonism by
R. HASSLER
Foreword by E.A. SPIEGEL
1979. 163 figures in 235 separate illustrations, 11 tables.
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The apparent discrepancy between dopamine deficiency in the nigral-striatal system as the cause of Parkinsonism and the improvement achieved by stereotactic inactivation of certain thalamic nuclei in patients who do not respond to L-dopa treatment has puzzled medical research for quite some time. Based on a comprehensive evaluation of 23 case histories of patients with stereotactic operations, this monograph covers a variety of aspects of this controversial subject, including the underlying physiological and pathophysiological mechanisms.
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Unique to the book are histological serial sections of the thalamus of an unoperated patient with Parkinsonism. These are compared in atlas form with serial sections of the brains of operated patients.
This comprehensive account of why stereotactic inactivation of antagonistic systems is the preferred treatment for Parkinsonism in patients who do not respond to L-dopa will be of great interest to neurosurgeons and neurologists, as well as scientists and clinicians involved in brain research.


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