
Preface

Many, if not all, diseases of the central and peripheral nervous systems exhibit neuroinflammation which plays a central even initiating role in the pathogenesis of these conditions. Only by meticulously exploring the mechanisms and key events in neuroinflammatory disturbances can clinicians advance diagnosis and treatment of these maladies. In this, our second edition of *Inflammatory Disorders of the Nervous System: Pathogenesis, Immunology, and Clinical Management*, we have collected, updated, and extended our understanding of the developing descriptions of these conditions from the perspective of clinical and basic neuroscientists. Owing to many recent scientific and technical developments, our general understanding, paradigms, and approaches towards neuroinflammation have changed again, and with them greater refinement of novel biologic immunotherapies making these often life-long and progressive maladies more manageable; cures for some may be in sight.

Our second edition encompasses the most up-to-date research findings in the rapidly evolving and expanding arena of neuroinflammation establishing it as a separate domain within the field of neuroscience. The chapters in this collection underscore how an improved realization of these conditions as inflammatory phenomena may be most rapidly and safely translated to the clinic. We hope that the next generation of clinicians and basic scientists will benefit and become enthusiastically inspired to apply, develop, and expand on the collected findings presented in this edition.

We would like to acknowledge and thank the group of diverse and international teams of physicians and scientists who contributed to make this volume timely, despite their active clinical and academic duties. The editors of this edition would also like to thank and acknowledge the patient discipline of our editorial colleagues at Springer Inc. including Mr. Karthikeyan Gurunathan and Gregory Sutorius without whose superior guidance and organization this volume would not have been possible. We, the editors, would like to thank you, the readers for studying this volume and hope that our contribution will again help to drive this field forward and make the neurologic conditions described here only a part of future clinical history.

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