Preface

Neurosurgery is a field of profound complexity, an interplay of anatomy, pathology, technology, and human experience. Yet at its core lies a simple truth: to treat the nervous system effectively, one must understand clearly. That clarity is what inspired *Neurosurgery Infographics*.

When Nitin Agarwal and I began this project, our goal was straightforward yet ambitious: to distill the vast, intricate truths of cranial, spinal, and peripheral nerve surgery into visuals that speak at a glance, and then invite deeper study. We envisioned a resource that spares the learner from getting lost in text-dense atlases or sprawling monographs and instead offers high-impact infographics: each one a stop-light moment of insight.

We targeted the junior resident waking at dawn for rounds, the medical student striving to orient themselves in their neurosurgery rotation, and the advanced practice provider seeking a rapid review. For each, we wanted: clarity, immediacy, fidelity to evidence, and elegance of presentation. Consequently, this book presents one hundred peer-reviewed visual summaries, each crafted to anchor key neurosurgical disorders with precision and accessibility.

Of course, simplicity does not mean superficiality. Behind every infographic lies rigorous scholarship, curated by our contributors and vetted through review. We embraced rather than eliminated complexity; but offered it in a different form: sculpted into graphic form, layered for review, and designed to prompt memory, comprehension, and application.

Whether you are encountering a subdural hematoma in the emergency department, navigating lumbar degenerative stenosis in clinic, or reviewing nerve entrapment syndromes on the ward, this guide is meant to be your companion. Flip open a page. Let the anatomy, the algorithm, the imaging, the decision-tree speak. Then dive deeper into the narrative when needed.

In writing this preface, we reflect on the many mentors, patients, and peers who have shaped my understanding of neurosurgery, and whose questions inspired this work. To learners everywhere, we offer this volume as a bridge: from uncertainty to informed action, from novice to confident reviewer.

May this guide serve you well in the hours before the first case, the moments between the rounds and the OR, and the lifelong journey of surgical mastery.

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from: Agarwal et al, Neurosurgery Infographics (9781684207671)
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