Pediatric neurosurgery is a uniquely exacting subspecialty in which surgeons are given the extraordinary privilege of alleviating suffering for gravely ill children, and in best-case scenarios, restoring their health. Understanding the vast and complex anatomy, pathology, and pathophysiology that evolves throughout childhood presents considerable challenges. Further, the field is rapidly progressing with advancements in neurodiagnostic imaging and surgical instrumentation, as well as an expanding knowledge of the molecular and genetic bases underlying many neurosurgical disorders.

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