

Neuro Oncology: The Essentials by Akira Nakano: A Comprehensive Guide to the Field

Neuro oncology is a branch of medicine that deals with the diagnosis, treatment, and research of tumors of the central nervous system (CNS). These tumors can be either benign (non-cancerous) or malignant (cancerous). The CNS includes the brain, spinal cord, and the meninges (the membranes that cover the brain and spinal cord). Brain tumors are the second leading cause of cancer death in children under the age of 19, and the fifth leading cause of cancer death in adults. The most common type of brain tumor in adults is glioma, which accounts for about 80% of all brain tumors. Other types of brain tumors include meningioma, pituitary adenoma, and Schwannoma. Symptoms of a brain tumor can vary depending on the size and location of the tumor. Common symptoms include headaches, seizures, nausea, vomiting, blurred vision, and speech problems. Diagnosis of a brain tumor is based on a combination of physical examination, medical history, and imaging tests. Imaging tests may include MRI, CT scan, and PET scan. Treatment for a brain tumor depends on the size, location, and type of tumor. Treatment options may include surgery, radiation therapy, chemotherapy, and targeted therapy. Research in neuro oncology is focused on developing new and more effective treatments for brain tumors. This research includes the development of new drugs, new surgical techniques, and new radiation therapy techniques.

Neuro-Oncology: The Essentials by Akira Nakano

★★★★★ 4.5 out of 5

Language : English

File size : 109791 KB

Text-to-Speech : Enabled

Screen Reader : Supported



Enhanced typesetting : Enabled
Print length : 616 pages



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The book *Neuro Oncology: The Essentials* by Akira Nakano is a comprehensive guide to the field of neuro oncology. The book covers all aspects of neuro oncology, from the basics of brain tumor biology to the latest advancements in diagnosis, treatment, and research. This book is a valuable resource for anyone who is interested in neuro oncology, including medical students, residents, fellows, and practicing physicians. It is also a valuable resource for patients and their families.

About the Author

Akira Nakano is a leading expert in the field of neuro oncology. He is a professor of neurology and neurosurgery at the University of California, San Francisco. He is also the director of the UCSF Neuro-Oncology Program. Dr. Nakano has authored over 200 peer-reviewed articles and book chapters on neuro oncology. He is a member of the editorial board of several journals, including the *Journal of Neuro-Oncology* and the *Lancet Neurology*. Dr. Nakano is a dedicated advocate for patients with brain tumors. He is the founder of the Brain Tumor Foundation, a non-profit organization that provides support and information to patients and their families.

Neuro oncology is a complex and challenging field of medicine. However, it is a field that is making rapid progress, thanks to the dedication of researchers and clinicians like Akira Nakano. The book Neuro Oncology: The Essentials by Akira Nakano is a valuable resource for anyone who is interested in learning more about this important field.



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