

5<sup>th</sup> Annual Conference on

## STROKE AND NEUROLOGICAL DISORDERS

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**Medical complications of brain tumors****Mahmoud Mando**

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presentation discusses common and emergent medical complications encountered in patients with primary brain tumors.

**Recent Findings:** Clinical studies and systematic reviews published in recent years have improved knowledge regarding the incidence of neurologic and medical complications occurring in patients with primary brain tumors. Studies in tumor-related epilepsy and venous thromboembolism provide data for the clinician to make evidence-based decisions about perioperative management, prophylaxis, and therapy. Patients with brain tumors experience unique toxicities related to novel drugs and chemotherapeutics that result in hematologic, infectious, and endocrine disorders. Recent work that has focused on quality of life in patients with brain tumors highlights the importance of good supportive care and optimal medical management of neurobehavioral symptoms and late complications of treatment.

**Summary:** A thorough understanding of the variety of medical and neurologic complications in patients with primary brain tumors improves the clinician's ability to quickly recognize and manage common and urgent conditions.

**Introduction:** The diagnosis of a brain tumor is a life-altering event for a patient, and all subsequent medical conditions need to be seen in the context of their neuro-oncologic diagnosis. New symptoms and signs are often attributed to the brain tumor itself, but a thorough history and medical and neurologic examination are needed to develop a complete differential diagnosis, workup, and treatment plan. Medical complications of brain tumors can be due to direct and indirect effects of the tumor. They can be secondary to antineoplastic or supportive care therapies, or they can represent late sequelae of tumor treatments. This presentation is organized into categories of medical diseases to help the practicing neurologist approach each new clinical presentation systematically. The most common and urgent complications seen in patients with brain tumors will be discussed.

**Biography**

Mahmoud Mando, Neurologist & Neurophysiologist, Board certified since 2008, currently practicing Neurology at Abha Private Hospital/Saudi Arabia. Pain Management Fellowship/India/2016. Has published several books and released several articles.

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