

Special Issue

Pathophysiology of Pituitary Tumors and the Role of Pituitary Hormones in Cancer

Message from the Guest Editors

Pituitary adenomas are among the most frequent intracranial tumors. These adenomas variably and adversely affect morbidity and mortality depending on cell type, hormone secretory activity, and growth behavior. For most clinically apparent adenomas, multimodal therapy controlling hormone secretion and adenoma growth leads to improved quality of life and normalized mortality. However, the pathogenesis of pituitary adenomas is largely unknown and evidence indicates that the pituitary tumorigenesis is a complex process involving multiple factors, including genetic and epigenetic changes. In recent years, evidence of the incidence of pituitary hormones in different types of cancers started to emerge. However, it is controversial if they protect tumor development or the opposite, have an oncogenic effect. More studies are needed to conclude their role in cancer. This article collection welcomes studies with a focus on the Pathophysiology of Pituitary Tumor and the role of pituitary hormones in cancer, using animal models, and human and in vitro systems.

Guest Editors

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