



International Journal of Endocrinology

Special Issue on
**Aggressive Pituitary Tumors: Pathogenesis,
Diagnosis, and Novel Therapies**

CALL FOR PAPERS

Frequency of pituitary tumors appears to be higher than previously suspected, as high as 1 in 1000 of the general population. They are usually benign and in most cases controlled by surgery, radiation, or medical treatments. However, so-called “aggressive” pituitary tumors are invasive macroadenomas refractory to surgical and medical treatments, showing tendency to continuous growth and implicating a bad vital prognosis. Their definition, molecular basis, pathological characteristics, and treatment are still the subject of research and controversies. Until some years ago, no therapies were efficacious in managing that kind of tumors. Lastly, variable responses to drugs have been reported in a limited number of cases with tumor volume reduction and control of the disease in some of them. A better understanding of the role of the altered regulatory mechanisms which trigger malignant transformation of pituitary cells and the eventual role that the DNA repairing systems may play in the effectiveness of some drugs will contribute to the development of more selective and effective therapies.

We invite authors to contribute original research articles as well as clinical review articles that will illustrate and stimulate the continuing effort to understand the implications of biomarkers as diagnostic, predictive, or potential targets to orientate the development of innovative therapeutic strategies for aggressive tumors of the pituitary gland.

Potential topics include, but are not limited to:

- ▶ Definition of “atypical” and “aggressive” pituitary tumors
- ▶ Pathological traits of “aggressive” tumors
- ▶ Identification and functional description of molecular targets involved in tumor initiation and development
- ▶ Therapeutic strategies and new drug therapies
- ▶ Factors conditioning the responsiveness to therapy

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ije/apt/>.

Lead Guest Editor

Oscar D. Bruno, University of Buenos Aires, Buenos Aires, Argentina
bodomingo@intramed.net

Guest Editors

Albert Beckers, Centre Hospitalier Universitaire de Liege, Liege, Belgium
albert.beckers@chu.ulg.ac.be

Moisés Mercado, Centro Médico Nacional Siglo XXI, Mexico City, Mexico
moises.mercado@endocrinologia.org.mx

Manuscript Due

Friday, 27 November 2015

First Round of Reviews

Friday, 19 February 2016

Publication Date

Friday, 15 April 2016