Special Issue

Klinefelter Syndrome and Other Sex Chromosome Variations: Cellular Manifestations and Clinical Implications

Message from the Guest Editors

Overall management of patients with disorders of sex chromosomes has changed dramatically in recent years. Changes involving Klinefelter Syndrome patients are the most well-described. KS results from the presence of a supernumerary X chromosome (47 XXY) and is the most common genetic cause of male infertility, occurring in 70-90% of adults with this condition. Thanks to advances in genetic diagnosis, KS is now diagnosed much more frequently at early ages. This allows for earlier counseling and life planning for this condition, as well as specific treatment plans to maximize fertility potential. Similar advances are described in other sex chromosome variation syndromes, where a better understanding of these conditions has led to more precise and improved management. In this Special Issue, we seek to identify and review these advances and changes affecting the diagnosis and management of these conditions now occurring. We aim to elucidate the most current pertinent insights, with the hope that this issue will be a stimulus for further enhancements and refinements in this field.

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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