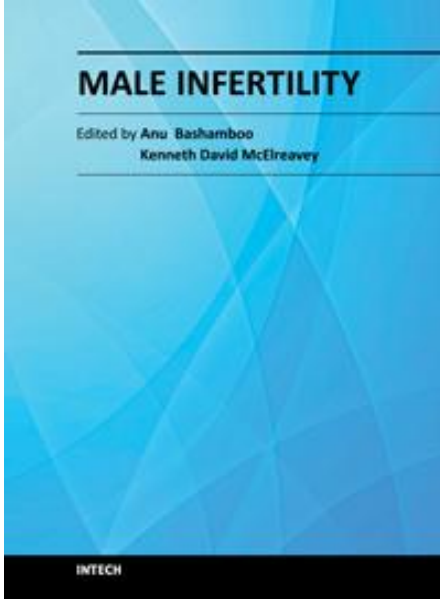


Male Infertility



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Male infertility is a multifaceted disease where genetic, epigenetic and environmental factors all contribute to the development of the phenotype. In recent years, there has been an increasing concern about a decline in reproductive health, paralleled by an increase in demand for infertility treatments. This calls for a detailed and thorough understanding of normal and aberrant testicular function and the environmental influences on the establishment and integrity of the male germ cell. This is crucial for understanding the complex pathophysiology of male infertility and eventual success of Assisted Reproductive Technologies.

Book Contents

- Chapter 1 **Obstructive and Non-Obstructive Azoospermia**
- Chapter 2 **Gene Mutations Associated with Male Infertility**
- Chapter 3 **Apoptosis, ROS and Calcium Signaling in Human Spermatozoa: Relationship to Infertility**

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- Chapter 4 **The Role of PDE5 Inhibitors in the Treatment of Testicular Dysfunction**
- Chapter 5 **Effectiveness of Assisted Reproduction Techniques as an Answer to Male Infertility**
- Chapter 6 **Makings of the Best Spermatozoa: Molecular Determinants of High Fertility**
- Chapter 7 **A Systems Biology Approach to Understanding Male Infertility**

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