Special Issue on Clinical Male Infertility

(Guest editors: Robert I McLachlan and Csilla Krausz)

Summary
Clinical evaluation of the infertile man is an essential skill in reproductive medicine, with male factors being involved in half of all infertile unions. Accurate diagnosis may allow specific treatments to restore natural fertility and/or identify serious medical conditions more prevalent in infertile men, such as androgen or gonadotropin deficiency or testicular cancer. This volume contains articles by leading experts on the clinical and laboratory evaluation of infertile men along with background on the pathophysiology of the diverse causations of male infertility. For men for whom specific treatments are not available assisted reproductive treatments, especially intracytoplasmic sperm injection, provide a powerful means to bypass their disability leading to the birth of their own offspring. The emerging science about the environmental and genetic basis of spermatogenic failure is considered along with the implications for ART conceived offspring. Finally the impact of infertility on couple and male partner is also considered.

The reader can find the full contents of this AJA Special Issue at:
http://www.nature.com/aja/journal/v14/n1/index.html

The list of contributions is presented below (each summary and link to the full article is listed next):

Editorial
Clinical evaluation of the infertile male: new options, new challenges
(Guest editor of this issue) Robert I McLachlan and Csilla Krausz

Semen analysis and sperm function testing
Daniel R Franken and Sergio Oehninger

Tales of the Tail and Sperm Head Aches. Changing concepts on the prognostic significance of sperm pathologies affecting the head, neck and tail
Héctor E Chemes and Cristian Alvarez Sedo

Mechanisms and clinical correlates of sperm DNA damage
Lara Tamburrino, Sara Marchiani, Margarita Montoya, Francesco Elia Marino, Ilaria Natali, Marta Cambi, Gianni Forti, Elisabetta Baldi and Monica Muratori

Chromosomal disorders and male infertility
Gary L Harton and Helen G Tempest

Genetic causes of spermatogenic failure
Annelien Massart, Willy Lissens, Herman Tournaye and Katrien Stouffs

New understandings of the genetic basis of isolated idiopathic central hypogonadism
Medical therapy for spermatogenic failure
Ranjith Ramasamy, Peter J Stahl and Peter N Schlegel

Male sexual dysfunction and infertility associated with neurological disorders
Mikkel Fode, Sheila Krogh-Jespersen, Nancy L Brackett, Dana A Ohl, Charles M Lynne and Jens Sønksen

Advanced paternal age and reproductive outcome
Zofnat Wiener-Megnazi, Ron Auslender and Martha Dirnfeld

Updates on the relation of weight excess and reproductive function in men: sleep apnea as a new area of interest
Ahmad O Hammoud, Douglas T Carrell, Mark Gibson, C Matthew Peterson and A Wayne Meikle

Evaluation of the azoospermic male
Robert Oates

Testicular biopsy: clinical practice and interpretation
Gert R Dohle, Saad Elzanaty and Niels J van Casteren

Surgical techniques for the management of male infertility
Natalya A Lopushnyan and Thomas J Walsh

Male factor infertility and ART
Herman Tournaye

Surgical recovery of sperm in non-obstructive azoospermia
Tomomoto Ishikawa

Outcomes for offspring of men having ICSI for male factor infertility
Jane Halliday

Psychological and social aspects of infertility in men: an overview of the evidence and implications for psychologically informed clinical care and future research
Jane RW Fisher and Karin Hammarberg

The International Society of Andrology deeply thanks the Asian Journal of Andrology for giving us permission to post the summary and link to the full article of all contributions from the Special Issue on “Clinical Male Infertility” recently published.