

CONTENTS

REVIEW: The Cycle of the Seminiferous Epithelium in Humans: A Need to Revisit? / R. P. Amann	469
REVIEW: Oxidative Stress: A Common Factor in Testicular Dysfunction / T. T. Turner, J. J. Lysiak	488
REVIEW: Endocrine Disruptors, Genital Development, and Hypospadias / M.-H. Wang, L. S. Baskin	499
REVIEW: Genetic Investigations of <i>CFTR</i> Mutations in Congenital Absence of Vas Deferens, Uterus, and Vagina as a Cause of Infertility / R. Radpour, H. Gourabi, A. Vosough Dizaj, W. Holzgreve, X. Y. Zhong	506
REVIEW: The Effect of 5 α-Reductase Inhibitors on Erectile Function / O. Canguven, A. L. Burnett	514
REVIEW: Emerging Roles for Neurosteroids in Sexual Behavior and Function / S. R. King	524
REVIEW: Androgen Deprivation Therapy, Insulin Resistance, and Cardiovascular Mortality: An Inconvenient Truth / S. Basaria	534
A Common Protamine 1 Promoter Polymorphism (–190 C→A) Correlates With Abnormal Sperm Morphology and Increased Protamine P1/P2 Ratio in Infertile Patients / C. Gázquez, J. Oriola, S. de Mateo, J. M. Vidal-Taboada, J. L. Balleascà, R. Oliva	540
Activation of Protein Kinase A Stimulates the Progesterone-Induced Calcium Influx in Human Sperm Exposed to the Phosphodiesterase Inhibitor Papaverine / V. Torres-Flores, Y. L. Hernández-Rueda, P. D. C. Neri-Vidaurri, F. Jiménez-Trejo, V. Calderón-Salinas, J. A. Molina-Guarneros, M. T. González-Martínez	549
Temporal Decreases in Sperm Motility: Which Patients Should Have Motility Checked at Both 1 and 2 Hours After Collection? / R. T. Schulte, L. M. Keller, M. R. Hiner, D. A. Ohl, G. D. Smith	558
Novel Variants in <i>UBE2B</i> Gene and Idiopathic Male Infertility / V. Suryavathi, A. Khattri, K. Gopal, D. S. Rani, S. Panneerdoss, N. J. Gupta, B. Chakravarty, M. Deenadayal, L. Singh, K. Thangaraj	564
The DNA/RNA-Binding Protein, Translin, Binds microRNA122a and Increases Its In Vivo Stability / Z. Yu, N. B. Hecht	572
Leptin, Ghrelin, and Adiponectin Evaluation in Transsexual Subjects During Hormonal Treatments / E. Resmini, G. Andraghetti, A. Rebora, R. Cordera, L. Vera, M. Giusti, F. Minuto, D. Ferone	580
Effect of Caffeine on Erectile Function via Up-Regulating Cavernous Cyclic Guanosine Monophosphate in Diabetic Rats / R. Yang, J. Wang, Y. Chen, Z. Sun, R. Wang, Y. Dai	586

Cover: *At 8 weeks of gestation, the external genitalia remain in the indifferent stage. The urethral groove on the ventral surface of the phallus is between the paired urethral folds. The penile urethra forms as a result of fusion of the medial edges of the endodermal urethral folds. As development progresses, the ectodermal edges of the urethral groove begin to fuse to form the median raphe. (Upper left panel) By 11–12 weeks, the coronal sulcus separates the glans from the shaft of the penis. (Lower left panel) By 16 weeks of gestation, the urethral folds have completely fused in the midline on the ventrum of the penile shaft. (Middle panel) Note the normal ventral penile curvature or chordee that occurs during development and resolves by the 20th week. (Middle, right panels) Note the midline seam. See Wang and Baskin on p. 499.*

Information for Authors

For author instructions and forms, visit the *Journal of Andrology* website at
<http://www.andrologyjournal.org/>

Information for Members or Prospective Members

For information about American Society of Andrology membership benefits, visit
<http://www.andrologysociety.com>

Information for Advertisers

For information about placing your message in an upcoming issue or in an online banner, contact

Venessa Stampnick, Journal Advertising

Two Woodfield Lake

1100 East Woodfield Road, Ste. 520 Schaumburg, IL 60173

Phone: 847.619.4909

Fax: 847.517.7229

E-mail: Venessa@wjweiser.com