



Contents

Indexed in: Bibliography of Reproduction, BIOSIS Database, Elsevier BIOBASE/Current Awareness in Biological Sciences®, Current Contents/Life Sciences, Reproductive Research, Science Citation Index®, SciSearch®, Biomedical databases.
Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.

Reviews

Parabens in male infertility—Is there a mitochondrial connection?

- Renata S. Tavares, Fátima C. Martins, Paulo J. Oliveira, João Ramalho-Santos, Francisco P. Peixoto* 1

Harmonization of terminology in developmental toxicology: The quest for a more precise description and a harmonized classification of fetal observations

- Francisco Paumgartten, Roland Solecki, Jochen Buschmann, Ruth Clark, Konstanze Grote, Martina Rauch, Ibrahim Chahoud* 8

Original Contributions

HSV type 1 thymidine kinase protein accumulation in round spermatids induces male infertility by spermatogenesis disruption and apoptotic loss of germ cells

- Li-yi Cai, Takako Kato, Michie Nakayama, Takao Susa, Sanae Murakami, Shun-ichiro Izumi, Yukio Kato* 14

Exposure to environmental tobacco smoke during pregnancy in rats yields less effect on indices of brain cell number and size than does postnatal exposure

- Sidney M. Gospe Jr., John A. Joyce, Joseph R. Siebert, Rhona M. Jack, Kent E. Pinkerton* 22

Functional in vitro model to examine cancer therapy cytotoxicity in maturing rat testis

- Mirja Nurmio, Jorma Toppari, Jenny Kallio, Mi Hou, Olle Söder, Kirsi Jahnukainen* 28

Sulfasalazine induced oxidative stress: A possible mechanism of male infertility

- Virginia Alonso, Victoria Linares, Montserrat Bellés, María L. Albina, Juan J. Sirvent, José L. Domingo, Domènec J. Sánchez* 35

Studies on the protective role of lycopene against polychlorinated biphenyls (Aroclor 1254)-induced changes in StAR protein and cytochrome P450 scc enzyme expression on Leydig cells of adult rats

- Perumal Elumalai, Gunasekaran Krishnamoorthy, Kandaswamy Selvakumar, Ramachandran Arunkumar, Prabhu Venkataraman, Jagadeesan Arunakaran* 41

In vitro toxic effects of metal compounds on kinetic traits and ultrastructure of rabbit spermatozoa

- Cesare Castellini, Evangelia Mourvaki, Barbara Sartini, Raffaella Cardinali, Elena Moretti, Giulia Collodel, Salvador Fortaner, Enrico Sabbioni, Tommaso Renieri* 46

Effects of diethylstilbestrol on ovarian follicle development in neonatal mice

- Hannah Kim, Shinji Hayashi, Pierre Chambon, Hajime Watanabe, Taisen Iguchi, Tomomi Sato* 55

Dietary red clover (*Trifolium pratense*) induces oviduct growth and decreases ovary and testes growth in Japanese quail chicks

- Johanna R. Rochester, Kirk C. Klasing, Lindsay Stevenson, Michael S. Denison, Wallace Berry, James R. Millam* 63

The adverse effect of dichlorodiphenyltrichloroethane (DDT) and its metabolite (DDE) on the secretion of prostaglandins and oxytocin in bovine cultured ovarian and endometrial cells

- Michał Wrobel, Jarosław Mlynarczuk, Jan Kotwica* 72

Green tea extract increases cyclophosphamide-induced teratogenesis by modulating the expression of cytochrome P-450 mRNA

- Dongsun Park, Jeong Hee Jeon, Sunhee Shin, Seong Soo Joo, Dae-Hyuck Kang, Seol-Hee Moon, Min-Jung Jang, Yeoung Mi Cho, Jae Wook Kim, Hyeong-Jin Ji, Byeongwoo Ahn, Ki-Wan Oh, Yun-Bae Kim* 79

The safety of conception occurring shortly after methotrexate treatment of an ectopic pregnancy
Ran Svirsky, Uri Rozovski, Zvi Vaknin, Moty Pansky, David Schneider, Reuvit Halperin 85

Fetal growth restriction is related to placental levels of cadmium, lead and arsenic but not with antioxidant activities
Miguel N. Llanos, Ana María Ronco 88