

## Occupational Health Alert

Occupational Health Alert October, 2021 issue deals with articles Published from 1st Oct 2021 – 31st Oct 2021 on **Reproductive Toxicology.**

Full text articles will be provided on request.

Occupational Health Alert

## Reproductive Toxicology

1.	<p><a href="#">Roles of melatonin in the field of <b>reproductive</b> medicine.</a> Yong W, Ma H, Na M, Gao T, Zhang Y, Hao L, Yu H, Yang H, Deng X. Biomed Pharmacother. 2021 Oct 6;144:112001. doi: 10.1016/j.biopha.2021.112001.</p>
2.	<p><b>REPRODUCTIVE TOXICOLOGY: <a href="#">Reproductive toxicology: emerging toxicants and cellular targets.</a></b> Keating AF, Watkins AJ. Reproduction. 2021 Oct 13;162(5):E5-E6. doi: 10.1530/REP-21-0373.</p>
3.	<p><b>REPRODUCTIVE TOXICOLOGY: <a href="#">The male mammary gland: a novel target of endocrine-disrupting chemicals.</a></b> Szabo GK, Vandenberg LN.Reproduction. 2021 Oct 5;162(5):F79-F89. doi: 10.1530/REP-20-0615.</p>
4.	<p><b>REPRODUCTIVE TOXICOLOGY: <a href="#">Effects of chemical mixtures on the ovary.</a></b> Mourikes VE, Flaws JA.Reproduction. 2021 Oct 5;162(5):F91-F100. doi: 10.1530/REP-20-0587.</p>
5.	<p><b>REPRODUCTIVE TOXICOLOGY: <a href="#">Impacts of paternal environment and lifestyle on maternal health during pregnancy.</a></b> Khoshkerdar A, Eryasar E, Morgan HL, Watkins AJ. Reproduction. 2021 Oct 5;162(5):F101-F109. doi: 10.1530/REP-20-0605.</p>
6.	<p><b>REPRODUCTIVE TOXICOLOGY: <a href="#">Pregnancy exposure to endocrine disrupting chemicals: implications for women's health.</a></b> Haggerty DK, Upson K, Pacyga DC, Franko JE, Braun JM, Strakovsky RS. Reproduction. 2021 Oct 7;162(5):F169-F180. doi: 10.1530/REP-21-0051.</p>
7.	<p><b>REPRODUCTIVE TOXICOLOGY: <a href="#">Environmental exposures, fetal testis development and function: phthalates and beyond.</a></b> Li H, Spade DJ. Reproduction. 2021 Oct 5;162(5):F147-F167. doi: 10.1530/REP-20-0592.</p>
8.	<p><b>REPRODUCTIVE TOXICOLOGY: <a href="#">Impact of endocrine disruptors on neurons expressing GnRH or kisspeptin and pituitary gonadotropins.</a></b> Roepke TA, Sadlier NC. Reproduction. 2021 Oct 5;162(5):F131-F145. doi: 10.1530/REP-20-0612.</p>
9.	<p><a href="#">Roles of melatonin in the field of <b>reproductive</b> medicine.</a> Yong W, Ma H, Na M, Gao T, Zhang Y, Hao L, Yu H, Yang H, Deng X. Biomed Pharmacother. 2021 Oct 6;144:112001. doi: 10.1016/j.biopha.2021.112001.</p>
10.	<p><a href="#">Metal(loid)s and human semen quality: The LIFE Study.</a> Branch FM, Perry MJ, Chen Z, Louis GMB. <b>Reprod Toxicol.</b> 2021 Oct 9;106:94-102. doi: 10.1016/j.reprotox.2021.10.006</p>

11.	<p><a href="#">In vitro teratogenicity testing using a 3D, embryo-like gastruloid system.</a> Mantziou V, Baillie-Benson P, Jaklin M, Kustermann S, Arias AM, Moris N. <b>Reprod Toxicol.</b> 2021 Oct;105:72-90. doi: 10.1016/j.reprotox.2021.08.003. Epub 2021 Aug 20.</p>
12.	<p><a href="#">MiR-let-7d-3p inhibits granulosa cell proliferation by targeting TLR4 in polycystic ovary syndrome.</a> Wu W, Duan C, Lv H, Song J, Cai W, Fu K, Xu J. <b>Reprod Toxicol.</b> 2021 Oct 14;106:61-68. doi: 10.1016/j.reprotox.2021.10.003.</p>
13.	<p><a href="#">Novel methods to detect ROS in viable spermatozoa of native semen samples.</a> Riley L, Ammar O, Mello T, Giovannelli L, Vignozzi L, Muratori M. <b>Reprod Toxicol.</b> 2021 Oct 9;106:51-60. doi: 10.1016/j.reprotox.2021.10.004.</p>
14.	<p><a href="#">Gene expression profiles of two testicular somatic cell lines respond differently to 4-nitrophenol mediating vary reproductive toxicity.</a> Wei J, Lu T, Dong F, Zhang C, Zhang Y. Toxicology. 2021 Oct 18;463:152991. doi: 10.1016/j.tox.2021.152991.</p>
15.	<p><a href="#">3-Indolepropionic acid upturned male reproductive function by reducing oxidoinflammatory responses and apoptosis along the hypothalamic-pituitary-gonadal axis of adult rats exposed to chlorpyrifos.</a> Owumi SE, Otunla MT, Arunsi UO, Najophe ES. Toxicology. 2021 Oct 19;463:152996. doi: 10.1016/j.tox.2021.152996</p>
16.	<p><a href="#">Molecular docking and dynamics simulation to screen interactive potency and stability of fungicide tebuconazole with thyroid and sex hormone-binding globulin: Implications of endocrine and reproductive interruptions.</a> Abdi SAH, Alzahrani A, Asad M, Alquraini A, Alghamdi AI, Sayed SF. J Appl Toxicol. 2021 Oct;41(10):1649-1659. doi: 10.1002/jat.4153. Epub 2021 Feb 25.</p>
17.	<p><a href="#">Combining in vitro assays and mathematical modelling to study developmental neurotoxicity induced by chemical mixtures.</a> Pistollato F, Carpi D, Mendoza-de Gyves E, Paini A, Bopp SK, Worth A, Bal-Price A. <b>Reprod Toxicol.</b> 2021 Oct;105:101-119. doi: 10.1016/j.reprotox.2021.08.007. Epub 2021 Aug 26.</p>
18.	<p><a href="#">The unfolded protein response and apoptotic regulation in the human placenta due to maternal cigarette smoking and pre-eclampsia.</a> Thomson S, Waters KA, Hennessy A, Machaalani R. <b>Reprod Toxicol.</b> 2021 Oct;105:120-127. doi: 10.1016/j.reprotox.2021.09.001. Epub 2021 Sep 4.</p>
19.	<p><a href="#">Weighted gene coexpression network analysis reveals ESR1, FLNA and Furin as hub genes for DEHP-induced prepubertal testicular injury.</a> Chen J, Kang L, Wang J, Wu Y, Han L, Zheng X, Wei Y, Zhao T, Shen L, Long C, Wei G, Wu S. <b>Reprod Toxicol.</b> 2021 Oct 27:S0890-6238(21)00167-2. doi: 10.1016/j.reprotox.2021.10.011.</p>

20.	<p><a href="#">Organochlorine pesticide dieldrin upregulate proximal promoter (PII) driven CYP19A1 gene expression and increases estrogen production in granulosa cells.</a> Sharma D, Kumari S, Rani P, Onteru SK, Roy P, Tyagi RK, Singh SP, Singh D. <b>Reprod Toxicol.</b> 2021 Oct 21:S0890-6238(21)00165-9. doi: 10.1016/j.reprotox.2021.10.009.</p>
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