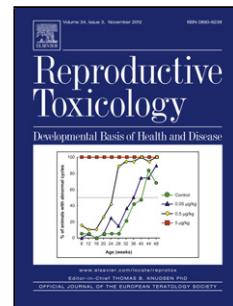


# Accepted Manuscript

Title: Male rat exposure to low dose of di(2-ethylhexyl) phthalate during pre-pubertal, pubertal and post-pubertal periods: impact on sperm count, gonad histology and testosterone secretion



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PII: S0890-6238(17)30211-3

DOI: <https://doi.org/10.1016/j.reprotox.2017.11.004>

Reference: RTX 7604

To appear in: *Reproductive Toxicology*

Received date: 20-4-2017

Revised date: 13-11-2017

Accepted date: 14-11-2017

Please cite this article as: Oudir Malha, Chader Henni, Bouzid Bachir, Bendisari Kheira, Latreche Batoul, Boudalia Sofiane, Iguer-ouada Mokrane. Male rat exposure to low dose of di(2-ethylhexyl) phthalate during pre-pubertal, pubertal and post-pubertal periods: impact on sperm count, gonad histology and testosterone secretion. *Reproductive Toxicology* <https://doi.org/10.1016/j.reprotox.2017.11.004>

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**Male rat exposure to low dose of di(2-ethylhexyl) phthalate during pre-pubertal, pubertal and post-pubertal periods: impact on sperm count, gonad histology and testosterone secretion.**

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## Highlights

- The aim of this study consisted to evaluate the impact of low dose of di (2-ethylhexyl) phthalate exposure, particularly at regulatory doses (NOAEL and TDI considered as “safe dose”), on male rat reproductive functions.
- The animals were exposed during pre-pubertal, pubertal and post-pubertal periods.
- Gonads histology, testosterone secretion and sperm parameters were monitored
- The results showed that exposure to doses, far below or at regulatory doses, affected gonads histology, increased testosterone levels and Leydig cells number, decreased sperm count and Sertoli cells number.

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