

# Drug and anesthetic effects on membrane structure and function

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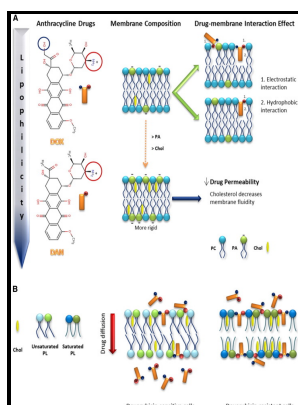
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Advances in membrane fluidity -- v. 5 Drug and anesthetic effects on membrane structure and function

Notes: Includes bibliographical references.

This edition was published in 1991



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standardized pygeum extract support its use in prostate disorders, BPH in particular.

## Effects of the Nonimmobilizer Hexafluoroethane on the Model Membrane Dimyristoylphosphatidylcholine

The maternal blood supply to the uterus is via the uterine and ovarian arteries that form the arcuate arteries, and from which radial arteries penetrate the myometrium. It rapidly crosses the placenta and is quickly cleared by the neonate after delivery. Antibodies which cause maternal autoimmune disorders e.

**Elusive anesthesia. Drug and anesthetic effects on membrane structure and function (1991). Edited by Roland C. Aloia, Cyril C. Curtain, Larry M. Gordon. Wiley-Liss, New York \$185/£128. 304pp. ISBN 0-471-56877-5, BioEssays**

The lipid hydrogen atoms are omitted for clarity. Formation of the  $\alpha 2 \beta 2 3$  channels might facilitate anesthetic diffusion into the deep bilayer where anesthetics normally have less access.

## Study details how general anesthetics and 'benzos' act on receptors in the brain

Its functions are: In the late 1950s and early 1960s, the devastating series of thalidomide-induced birth defects raised awareness of the imperfect state of the placenta as a barrier to drug transfer.

membrane

Tags: #Study #details #how #general  
#anesthetics #and #'benzos' #act #on  
#receptors #in #the #brain

**Les écrits de Claire: juin 2017**

Murray ND, in , 2020 Prostate Disorders  
The pharmacological actions of the

Transfer is either transcellularly through the syncytiotrophoblast layer or paracellularly through water channels incorporated into the membrane. Our study does not address the possibility of direct binding of the agents to membrane proteins.

### **Study details how general anesthetics and 'benzos' act on receptors in the brain**

These experiments measure the order parameters along the acyl chains of the lipids forming the bilayer, thus allowing characterization at the molecular level of the effects of these agents on the membrane. Anesthetics halothane 2-bromo-2-chloro-1,1, 1-trifluoro-ethane and isoflurane 2-chloro-2- difluoromethoxy -1,1,1-trifluoro-ethane were added directly to the NMR tube pre-cooled in an ice bath and mixed thoroughly with the samples. The 1-D 15N cross-polarization experiments were conducted using a 1H 90° pulse of 5.

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