

first trimester topical tretinoin and congenital disorders

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There are insufficient data particularly relating to first trimester exposure to quantify the risks posed to a developing fetus following oral exposure to tretinoin. This document is regularly reviewed and updated. Clinicians and patients should, therefore, be aware of the potential risk of neurodevelopmental impairment following tretinoin exposure in utero at any stage of pregnancy, and that such effects cannot be screened for antenatally. This material may be freely reproduced for education and not for profit purposes within the UK National Health Service, however no linking to this website or reproduction by or for commercial organisations is permitted without the express written permission of this service. If you would like to report a pregnancy to UKTIS please click here to download our pregnancy reporting form. Please encourage all women to complete an online reporting form. Tretinoin is used topically in the treatment of acne, hyperpigmentation, and repair of dermal photodamage, and orally for the induction of remission in acute promyelocytic leukemia APL; FAB classification AML-M3. The risk-benefit balance of maternal vs. Data regarding the risk of adverse neurodevelopmental effects following in utero tretinoin exposure are limited, but adverse effects are well described for other retinoids. This is a summary of the full UKTIS monograph for health care professionals and should not be used in isolation. First trimester topical tretinoin use and congenital disorders. in Publications July 12th, Authors: Jick SS, Terris BZ, Jick H. Published in: Lancet ; Boston University Logo. We used information from the Group Health Cooperative of Puget Sound, Washington, USA, to evaluate the risk of birth defects in mothers exposed to topical tretinoin--a retinoid preparation used to treat acne--in the first trimester of pregnancy. We identified women who delivered live or stillborn infants at Group Health. Keywords: congenital abnormalities / isotretinoin / pregnancy prevention programme / retinoids / teratogen. Please cite . embryopathy and topical tretinoin use²¹ A prospective cohort study²² compared the rate of pregnancy and contribute to combined first trimester Down syndrome screening. A week ultrasound. Oct 19, - Carlier P, Chouliska S, Dally S. Topical retinoids exposure in pregnancy: cooperative study from January to April cases and 94 with known pregnancy outcome. Therapie ; Jick SS, Terris BZ, Jick H. First trimester topical tretinoin and congenital disorders. Lancet Jul 1, - Dermatologists are well aware of the potential risks to a fetus exposed to oral isotretinoin during the first trimester of pregnancy. Because of these. exposed to oral isotretinoin. The authors conclude that topical tretinoin use is not associated with the congenital anomalies seen with oral isotretinoin use. Jick SS, Terris BZ, Jick H. First trimester topical tretinoin and congenital disorders. Lancet ;2. Jick H. Retinoids and teratogenicity. J Am Acad Dermatol ;S Shapiro L, Pastuszak A, Curto G, Koren G. Safety of first-trimester exposure to topical tretinoin: prospective cohort study. Lancet. There are individual case reports of congenital defects associated with maternal use of topical tretinoin during the first trimester of pregnancy [74, 75], but no data to support a causal relationship. For topical tretinoin to cause a fetal malformation, a sufficient quantity would need to be absorbed from the skin into the maternal. Based on this suggestion for isotretinoin, a safe. Giagounidis AAN. First trimester topical tretinoin and congenital disorders. et al. avoiding this product may be safest. et al. Shapiro L. tretinoin use in the second and third trimesters is unlikely to cause a birth defect. Acute promyelocytic leukemia and pregnancy. Jick SS, Terris BZ, Jick H. First trimester topical tretinoin and congenital disorders. Lancet ;2. Loureiro KD, Kao KK, Jones KL, et al. Minor malformations characteristic of the retinoic acid embryopathy and other birth outcomes in children of women exposed to topical tretinoin during early pregnancy. Am J Med. Lipson AH, Collins F, Webster W.S. Multiple congenital defects associated with maternal use of topical tretinoin. Lancet ; 3. Martinez-Frias ML, Rodriguez-Pinilla E. Firsttrimester exposure to topical tretinoin: its safety is not warranted [letter]. Teratology ; 5. Navarre-Belhassen C, Blanchehet P.