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Anencephaly a chance of teratogenicity by Antiepileptic drugs during organogenic period

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Neural tube defects are very rare until they are found in repeated deliveries. During routine collection of fetuses for the morphometrical and histological studies of renal developmental study, we found a rare anomaly with the defective closure of the cranial neuropore resulting in anencephaly. The case study consists of Intra uterine dead fetus with anencephaly which has spontaneously aborted. Service of Salem Polyclinic Hospital, in giving male aborted fetus for the study with the parent consent is appreciable. The diagnosis of suspected anencephaly was made on average at 21.3 weeks of gestation. The crown rump length was 14 cm and the crown heel length measurement of the fetus was 22 cm. In general there are various congenital neural anomalies which appear to be similar to anencephaly.

Recent Publications

1. Abraham Ratna Joseph Nayakanti, 2018 Sexual Dimorphism on Renal Development According to Gestational Age in Human Aborted Fetuses, Journal of Morphology and Anatomy, Volume 2, Issue 1, 1000110.
2. Abraham Ratna Joseph Nayakanti 2018, Morphometric Analysis of Human Fetal Renal Development Classified According to Various Gestational Periods, Indian Journal of Anatomy, Volume 7, Issue 3, Pages 332-334
3. Abraham Ratna Joseph Nayakanti, 2018, Morphometric Analysis on Renal Development According to Weight in Aborted Fetus, Indian Journal of Anatomy Volume 7, Issue 1, Pages 68-72.
4. Abraham Ratna Nayakanti, 2017, Anomaly of Double inferior vena cava due to the persistence of left supra cardinal vein below the level of the kidneys, The FASEB Journal Volume 31, Issue 1_supplement. Abstract Number:896.5
5. Abraham Ratna Joseph Nayakanti, 2016, Clinical implications and embryological explanation for unilateral variation in formation of sciatic nerve in relation to piriformis muscle – A case report, The FASEB Journal, Vol. 30, No. 1_supplement, Abstract Number: 1046.14.

Biography

Abraham Ratna Joseph Nayakanti is an Assistant Professor in the Human Structure and Function Department, Avalon University School of Medicine, Curacao. He is a PhD Scholar in the Department of Anatomy in the Field of Embryology of Renal Morphogenesis and Histogenesis, Faculty of Medicine at Vinayaka Missions University and has completed his Master's degree in Medical Anatomy at SVIMS University, India and has more than six years of teaching experience in various medical universities in India and abroad with presentations and publications in various international conferences and medical journals of anatomy and research. He has Successfully completed Online course in Essential Skills in Medical Education, given by Association of Medical Education in Europe (AMEE) under Dundee University, Scotland.

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