

Folic acid deficiency in new born babies leads to autism

Naziya Sayeed H

Karunya Institute of Technology and Sciences, India



Abstract

Mother's milk or breast milk of human is the primary source of nutrition for the new born containing protein, fats, carbohydrate, vitamins and variable minerals. Breast milk is loaded with antibodies that help your baby fight off viruses and bacteria, which is critical in those tender, early months. Folic acid is the vitamin B which is synthetic that does not occur naturally in human body. Early during pregnancy when the baby is developing, folic acids helps form the neural tube and prevent some major birth defects of the new born, taking folic acid before and during pregnancy could reduce the chance that the baby will have autism. Folic acid is crucial for the early fetal development and it can be taken from the fortified food and the dietary supplement. Folic acid helps the human body to produce and maintain the new cells and prevents changes to DNA that may leads to cancer. This study aimed to evaluate the folic acid content in the human breast milk or mother's milk, five different sample from different mothers are collected and the Gas chromatography –Mass spectrometry (GCMS) analysis was carried out to identify the active compound in the mother's milk and Liquid chromatography-Mass spectrometry (LCMS) analysis was carried out to find the folic acid compound anti-oxidant assays such as DPPH• radical, ABTS•+ radical cation, phosphomolybdenum reduction, and Fe³⁺ reducing power assays were carried out for evaluating antioxidant activities. Hence we can increase the folic acid content in mother's milk through daily intake of dietary supplements which are rich in folic content to overcome the deficiency so that the babies will grow healthier and free from inborn diseases.

Biography

Naziya Sayeed H pursuing her master in biotechnology from Karunya Institute of Technology and Sciences completed her undergraduate in biotechnology at age of 21 from BS Abdur Rahman Crescent Institute of Technology and Sciences. Her Research interest is to find therapeutic compounds from natural sources to treat cancer and she is seeking opportunities to establish her skill for Human Welfare.



[5th International conference on Pediatrics and Primary Healthcare](#) | October 14 , 2021

Citation: Naziya Sayeed H, Folic acid deficiency in new born babies leads to autism, Pediatrics Healthcare 2021, 5th International conference on Pediatrics and Primary Healthcare, October 14, 2021, 01.
