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Iron deficiency anemia as risk factor for simple febrile seizures: A case control studyKhawaja Tahir Aziz^{1,2,3}¹Shaikh Khalifa Bin Zayed Al-Nahyan Hospital, Pakistan²AJK Medical College, Pakistan³CMH, Pakistan

Background: Febrile fits are common problem in children. Among other risk factors, iron deficiency anemia is considered as aggravating factor for febrile fits. Iron deficiency anemia is preventable and treatable disease.

Aims & Objectives: The primary objective was to find out iron deficiency anemia as risk factor for febrile fits.

Materials & Methods: It was retrospective, case control study. 30 cases of febrile fits were recorded. Control groups of 30 cases were taken at the same time with same variables but without febrile fits. Their temperatures and weights were recorded and laboratory hematological parameters hemoglobin, hematocrit value, mean corpuscular volume (MCV), mean corpuscular hemoglobin (MCH), mean corpuscular hemoglobin concentration (MCHC), red blood cell (RBC) count and distribution width values were collected and analyzed statistically with SPSS Version 20.0

Results: Mean hemoglobin, hematocrit, RBC, MCV, MCH, MCHC and RDW had significant P value ($P < 0.05$) in case group as compared to control group.

Conclusion: As iron deficiency anemia is a risk factor for febrile fits, treatment and prevention of iron deficiency anemia can decrease incidence of febrile fits.

Biography

Khawaja Tahir has completed his MBBS from King Edward Medical College in 1986 and postgraduate diploma FCPS in Pediatrics from College of Physicians & Surgeons Pakistan in 2003. He is working as postgraduate supervisor and examiner. member of pediatric faculty of College of Physicians & Surgeons Pakistan. Teaching as Assistant Professor Pediatric in Azad Jammu & Kashmir Medical College Muzaffarabad Azad Jammu & Kashmir, Pakistan. Attending Pakistan Pediatric Association annual national conferences since 2003 and read papers. Attended Indian Academic Pediatric Conference in 2005 at Kolkatta, India. Keen interest in teaching at undergraduate and postgraduate level. Research papers published in national journals. Area of interest is general pediatrics and neonatology.

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