

## Incidence of Iron Deficiency Anemia Among the Children with Febrile Seizures

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**Abstract :** Objective: The objective is to determine the frequency of iron deficiency anemia among children having febrile seizures. A descriptive Cross-Sectional Study was done in the Pediatric Unit of Allama Iqbal Memorial Teaching Hospital Sialkot from September 2020 to February 2021. Material & Methods: A total of 70 children were studied aged six months to 10 years, with either gender presenting with febrile seizures. All data of the patients was documented, including demographic data like age, gender, residential area, educational status, socioeconomic status and clinical findings at the time of presentation like fever, fits and duration of symptoms etc. Blood hemoglobin and ferritin levels were tested for each patient to evaluate iron deficiency anemia. Results: There were 65.7% male and 34.3% female cases in this study. The age range of the patients was 6 months to 10 years, with a mean age of  $4.36 \pm 2.71$  years. Most of the children (60%) were below three years of age. Most children belonged to low and middle socioeconomic status with a frequency of 42.8% and 45.7%, respectively. Iron deficiency anemia was found in 38.6% of cases. The majority of the mothers were illiterate (65%). There were 44.3% cases from rural areas and 55.7% from urban areas. Conclusion: Iron deficiency anemia is a common problem among children with febrile seizures, younger than 03 years and belonging to rural areas. Illiterate mothers are an important risk factor for iron deficiency anemia in their children.

**Keywords :** febrile seizure, iron deficiency anemia, illiterate mother, low socioeconomic status, febrile seizure

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