

## 4<sup>th</sup> International Conference and Exhibition on **Neurology & Therapeutics**

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### Clinical profile of infants with Hypsarrhythmia

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**Objective:** The present study was done in order to obtain a baseline profile of infantile spasms and associated neurological disorders.

**Patient and methods:** The study included 50 patients with infantile spasm in Queen Rania Hospital for children in Jordan. The following data were obtained: sex, age at onset of spasms, details of seizure, family history of epilepsy, significant pre-/peri/post-natal insults, Electroencephalography and detailed neuro imaging evaluation, detailed neurological, neuro developmental assessment were done by. Broad categories of possible etiologies were used the results were recorded for further study.

**Results:** Age of onset of infantile spasms ranged from 1 month to 1 year and 6 months, (mean 4.8 months). The mean time of presentation was 9.4 months. A male preponderance was noted (74%). flexor spasms (52%) was the commonest. Other types of seizures also accompanied infantile spasm in 44% children. 84% were born of normal delivery, history of birth asphyxia was obtained in 48%, 3 (6%) had positive family history. Developmental delay was recognized prior to onset of spasms in 52%, microcephaly was the commonest associated problem, Imaging studies of the brain revealed abnormality in 18 patients. 78% patients were classified as symptomatic and 22% as cryptogenic.

**Conclusion and Recommendation:** the pattern of infantile spasm in our country do not differ from that of developed countries, further researches is required to prevent both chronic epilepsy and psychomotor retardation and preventive measurement to prevent birth asphyxia is recommended.

### Biography

M.B.B.S., 1991. School of Medicine, University Of Salah AL-deen, Erbil - Iraq. Jordanian Board of Pediatrics, Jordanian Medical Council, Sep 1999, Clinical Fellow (SpR Level) in Pediatric neurology at King Hussein Medical Center Amman-Jordan / Royal Medical Services(RMS) from January 2003. Post doctoral clinical trainee in Pittsburgh children hospital- Neurological Department 2005-2006, Head of Pediatric Neurology and neuro physiology at Queen Rania Hospital for Children Royal Medical Services.

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