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**Background:** The Neurocutaneous Syndromes (N.S.) are a rather heterogeneous group of diseases from both a clinical and genetic point of view. Most N.S. reveal themselves through convulsive crises, which sometimes do not respond to the pharmacological treatment. The purpose of this study is to evaluate the therapeutic and clinical aspects of an adequate therapeutic procedure.

**Methods:** 78 children have been studied, they are affected by: 33 children from neurofibromatosis; 23 children from tuberous sclerosis; 9 children from the Sturge-weber syndrome; 5 from Ito hypomelanosis; 4 from incontinentia pigmenti; 1 from Dubowitz syndrome; 1 from the Schimmelpenning-Feuerstein-mims syndrome; 1 from Kippel-Trenaunay-weber syndrome, 1 from ataxia-telangiectasia. The anamnesis, the history of the crisis and of the anti-epileptic therapy was recorded for each case.

**Results:** The initial critical symptomatology was divided into groups: infantile spasms; simple focal seizures; focal focal epilepsy; generalized crises. The age of onset at the beginning of the critical symptomatology is between 15 days and 5 years of age. The neuroradiological pictures observed with brain MRI are fairly heterogeneous. The