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Status epilepticus in pediatric population (neonatal and children)

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Statement of the Problem: The status epilepticus in neonatal and children have many specific characteristics and specificities that involve the neurobiological maturation in all the specific ages for example how to identify seizures in neonatal and the management of the seizures in this age and this situation is different in the older child. The neurobiological states for the brain is the key to be precise and control this situation and the time to begin all the procedures is the best way to prevent the refractory status epilepticus. In neonatal 1-5/1000 newborn has seizures and 43% became status epilepticus. In children 60% of the cases with status epilepticus do not have neurologic disease before this situation. Understanding the development of the brain is the best way to choose the anti-epileptic drugs and try to identify the etiology is the other important way to avoid the mortality.

Methodology & Theoretical Orientation: The Brazilian Child Neurology society gave me this topic to discuss with the pediatricians, neonatologists and with the neuropediatricians in one symposium in November 2017, and I did a review with the recent papers and brought from our services, hospitals our experiences and the reality.

Findings: In Neonatal population the phenobarbital is the first choice but the doses must have to with a protocol to have the best response because when you add a phenytoin the response became in 50% only and the etiology is the very important thing to be focus because the risk of status epilepticus subclinical is very high. In the old children the Time to begin the treatments is the most important focus.

Conclusion & Significance: The neonatal status epilepticus and the child Status epilepticus are the situation with mortality and morbidity, when they are not recognize and the time to start the treatment is not able to be effect this complications are very important for the patients, families and to the healthy care. Recommendations are made for treatment centers to become informed that would help this recognition and the conduction.

Biography

Daniela Fontes Bezerra is a neuropediatrician and works in an Epilepsy Service in one of the present appointments (at Mario Covas State Hospital, in Sao Paulo). She is presently the Coordinator of the Pediatric Neurology Training Program at ABC Faculty of Medicine. She obtained a master's degree in Health Sciences in 2013. She took part in ILAE's VIREPA distant education courses: EEG basic course (2017) and Pediatric EEG (2018), and ILAE – commission on European Affairs neurophysiological and EEG-reading capabilities in a Summer School in Danish Epilepsy centre (2018). More recently I got interested in neuromodulation for epilepsy, and I am associated with a team performing preoperative evaluation and surgical treatment for epilepsy, headed by Dr. Cukiert. I am a member of the Brazilian Child Neurology Society since 2015.stitutions.

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