Heterozygous KCND3 gene mutation c.916G>A;p.Gly306Ser. KCND3 is reported for Brugada syndrome as well associated with developmental delay, intellectual disability, ataxia, epilepsy and attention deficit hyperactivity disorder.

Conclusion Ictal discharges involving limbic structures may be a cause of both apnoea and ictal asystolia by inhibition of brainstem cardiorespiratory control circuits caused by the mutation in KCND3 gene.

Cardiorespiratory arrest may occur as result of autonomic dysfunction provoked probably by postictal suppression.

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410 INFLAMMATORY LUNG DISEASE IN RETT SYNDROME

Sanela Šaligić*, Ana Tripalo Batôš, Jasna Čepin Bogović, Vlaster Duranović, Oleg Jadrešin, Ivan Pavić, Varaždin County Health Center/Children’s Hospital Zagreb

Rett syndrome is a progressive pervasive neurodevelopmental disorder that affects female patients and is the second most common cause of mental retardation in the female gender, with an incidence of 1:10,000 to 1:15,000 live born girls. The classic form of Rett syndrome in 95% of cases is caused by de-novo mutation on the X-chromosome-linked gene encoding the methyl-CpG-binding protein 2. It is characterized by mental retardation, ataxia, epilepsy, characteristic stereotyped movements of the hands and loss of their normal function and breathing disorders. There is no effective cure, but early recognition of the disease and early treatment, primarily antiepileptic and respiratory, can delay the onset of further complications. Breathing disorders, including apnea, hyperventilation, rapid and shallow breathing, breath holding and spontaneous Valsalva maneuvers, are due to ventilatory perfusion inequality and are the result of a number of factors, including oxidative stress and chronic subclinical inflammation. The aim of this case report is to present a girl with Rett syndrome who has been treated with antibiotics on several occasions for radiologically persistent changes in the right upper pulmonary lobe as the changes are understood as pneumonic infiltrate. A girl aged 3 years and 2 months diagnosed with Rett syndrome was hospitalized for additional diagnostic treatment of radiologically verified persistent changes of the upper right pulmonary lobe. The girl was treated with antibiotics at the ages of 15, 17 and 18 months as to have had bacterial pneumonia of the right upper pulmonary lobe. In July 2019, esophagogastro-duodenoscopy, bronchoscopy, and computed tomography of the thorax were performed. Computed tomography showing in the region of the upper pulmonary lobe the consolidation of the pulmonary parenchyma with visible air bronchogram and deformation of the bronchi in the branches oriented toward the medial and in the basal segments of the upper paracardial lobe. The described changes are within the framework of Rett syndrome and correspond to the contents filled the alveoli with impaired ventilation and the minimal segment deformation of the bronchi by type of bronchiectasis. Changes of the upper right pulmonary lobe, on computed tomography of the thorax, are found in 50% of children with Rett syndrome and are chronic in nature and do not require antibiotic treatment.