POSTER ABSTRACTS

Cognition and Affect in Possible Serial Autoimmune Episodes of Anti-NMDA-Receptor Encephalitis

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Background: Anti-NMDAR encephalitis is characterized by acute Results: On the Personality Assessment Inventory for measuring neuropsychiatric symptoms, attributable to ovarian teratomas current affect and personality, critical items included endorseand subsequent autoimmune processes in about half of its cas-ment of thought broadcasting, multiple personalities, others es. Imaging correlates are often unremarkable and patients re- reading (her) thoughts, and auditory hallucinations. In addition, cover well after appropriate treatment. However, post- depression and anxiety levels were elevated. treatment recovery is poorly defined in the literature.

Purpose/Hypothesis: Identify a unique clinical picture of probable repeat autoimmune episodes and their clinical sequelae in a recovery remains poorly defined. This case revealed residual patient with Anti-NMDAR encephalitis.

Method/Case study: A 33-year-old woman underwent 1 probable and 1 confirmed bouts of autoimmune encephalitic episodes. The first occurred at age 24 with headaches, hallucinations, violent outbursts, seizures, then coma. Following high dose Prednisone, she recovered with mild to moderate residual deficits. Nine years later, a more severe episode occurred involving 4 status epilepticus and coma. Treatment included IVIG, plasmapheresis, and salpingo-oophorectomy. She was later switched to rituximab infusion and managed for psychosis and seizures. Laboratory findings revealed anti-NMDAR encephalitis sans teratoma. 4 months follow up included psychometric testing and the Personality Assessment Inventory.

Conclusion: While the literature establishes positive treatment efficacy of anti-NMDAR encephalitis, the level of post-treatment psychiatric symptoms s/p primary treatment modalities such as IVIG and plasmapheresis. While the patient recovered well after treatment from a bedside picture, further assessment revealed residual psychiatric symptoms, highlighting the necessity of further defining the recovery picture in this population.