CASE REPORT

ROWELL SYNDROME WITH BASAL GANGLIA CALCIFICATION IN A CHILD WITH NEUROPSYCHIATRIC SYSTEMIC LUPUS ERYTHEMATOSUS

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Abstract: *In patients diagnosed with systemic lupus erythematosus, any acute neurological symptom, even subtle, warrants thorough evaluation for neuropsychiatric systemic lupus erythematosus. Immunosuppressive therapy can be life-saving in cases of lupus with severe systemic symptoms. Features such as early age of onset/presentation, history of consanguinity in parents, negative anti-ds DNA antibody status and predominant neurological manifestations should prompt suspicion of complement deficiency-associated systemic lupus erythematosus.*

Here, we report a complex case of an eight-year-old girl presenting with cutaneous manifestations consistent with Rowell syndrome, progressive neuropsychiatric involvement refractory to initial therapy, and imaging findings of basal ganglia calcifications, highlighting the diagnostic and therapeutic challenges encountered. This case underscores the importance of early aggressive immunosuppression and consideration of complement deficiency in pediatric lupus with prominent neurological symptoms.

Keywords: *Systemic Lupus erythematosus, Erythema multiforme, Basal ganglia calcification.*

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References

1. Levy DM, Kamphuis S. Systemic Lupus Erythematosus in Children and Adolescents. Pediatr Clin North Am. 2012; 59(2):345-364. doi: 10.1016/j.pcl.2012.03.007.
2. Ota Y, Srinivasan A, Capizzano AA, Bapuraj JR, Kim J, Kurokawa R, et al. Central Nervous System Systemic Lupus Erythematosus: Pathophysiologic, Clinical and Imaging Features. Radiographics. 2022; 42(1):212-232. doi: 10.1148/rg. 210045.
3. Solanki LAL, Dhingra M, Thami GP. Rowell syndrome. Indian Pediatr 2012; 49:854-855. https://doi.org/10.1007/s13312-012-0183-5.
4. Jiang WEI, Mei S, Deng Q, Lei C, Pang A. A Case of Cerebral Large-Vessel Vasculitis Concomitant Fahr Syndrome in Systemic Lupus Erythematosus. Neurologist. 2024; 29(1):17-21. doi: 10.1097/NRL. 0000000000000520.
5. Sharma M, Goel S, Band IS, Rawat A. Complement deficiency in systemic immune disease. Indian J Pract Pediatr. 2021; 23(2):147-154.

Cite as: Ananda Kesavan TM, Deepa Anirudhan, Deepthi R, Rowell syndrome with basal ganglia calcification in a child with neuropsychiatric systemic lupus erythematosus, Indian J Pract Pediatr. 2025; 27(2):182-185.