Langerhans cell histiocytosis in monozygotic twins with central diabetes insipidus and hypophyseal masses

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Langerhans cell histiocytosis (LCH) in monozygotic twins has rarely been reported in the literature. Here in we report the case of monozygotic twins who successively presented with both central diabetes insipidus (DI) and hypophyseal masses. Their similar clinical presentations and courses implied that genetic factors might play an important role in the pathogenesis of LCH. Although the mutations of SH2D1A gene might play a significant role in the pathophysiology of LCH, no mutations were identified in either individual. The association between LCH and the genes for SH2D1A and perform is still unclear. The disease in one of the monozygotic twins was more disseminated and systemic, but the treatment outcome in both twins was good. We conclude that early screening and systemic work-up is warranted in the asymptomatic monozygotic twin of a symptomatic sibling in order to ensure timely treatment

Topic:

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☐Peripheral Nerves ■Tumor ☐Functional ☐Skull Base

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