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Coexistence of Hodgkin Lymphoma and Multiple Sclerosis Diagnoses

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Background/objectives: Multiple sclerosis (MS) and Hodgkin lymphoma comprise similar epidemiological features and similar etiologies. In this case report , we discussed a patient who was presumptively diagnosed with lymphoma, and subsequent studies confirmed a diagnosis of MS.

Design & Method: Case report

Result: A 40-year-old female patient was referred to our clinic because of numbness in her right arm and leg. Shortly, she complained of body rash, neck pain and night sweats. She was diagnosed with lymphoma. Her brain magnetic resonance imaging (MRI) revealed periventricular and juxtacortical multiple demyelinating lesions. Cervical MRI revealed C5 hyperintensity suggestive of a demyelinating lesion. Her neurological examination was normal. Visual evoked potentials (VEP) was normal. Left tibial somatosensory evoked potentials (SEP) was longer than right SEP. Oligoclonal bands were type 1 negative. She was diagnosed with multiple sclerosis.

Conclusion: Hodgkin's lymphoma and MS combination is a rare condition. Few articles in the literature discussed the coexistence of both diseases that share common risk factors and etiology. Further studies are needed to clarify this issue.