A case of polymyositis associated with Hashimoto's thyroiditis

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Autoimmune thyroid diseases, such as Grave's disease and Hashimoto's thyroiditis have been associated with systemic autoimmune disorders. It includes Sjögren's syndrome, rheumatoid arthritis, systemic lupus erythematosus, and systemic sclerosis. Moreover, an increased frequency of thyroid autoimmunity among these conditions were found in several cohort studies. Autoimmunity encompasses a wide spectrum of diseases from organ-specific to systemic autoimmune diseases and there are many reports of coexisting two or more autoimmune diseases. However, only few cases of polymyositis associated with Hashimoto's thyroiditis have been reported. We describe 20 year-old women with coexistent polymyositis and Hashimoto's thyroiditis. In this case, the diagnosis was established by laboratory, electromyographic, and histological findings.