A case of laryngeal cancer associated with dermatomyositis

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Abstract

We experienced a rare case of laryngeal cancer associated with dermatomyositis. The patient was a 63-year-old male and Japanese. He was admitted to our department of Otorhinolaryngology with dysphagia for a day as a chief complaint. He became aware of hoarseness with bloody sputum and then face edema with redness a half year before. At first physical examination, he had bilateral eyelid edema with erythema, finger edema with keratinizing erythema and limb extensor erythema. Serous creatine phosphokinase was 850 IU/mL (normal range: 40-200 IU/mL). Later, he was referred to the rheumatology department and was diagnosed as having dermatomyositis. Fiberscopic examination revealed larvngeal cancer with left laryngeal palsy. We gave priority to the laryngeal treatment. As a result, the symptoms of dermatomyositis were improved.

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Contributions: TK, diagnosis and therapy, composition of this case report; HH, YK, AY, therapy; KI, composition of this case report; RW, pathological diagnosis.

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rences of dermatomyositis were described as follows. Their study demonstrated that this patient with prostate cancer presenting as dermatomyositis had autoantibodies to specific proteins, possibly associated with his autoimmune myopathy. Some think that dermatomyositis may be a manifestation of a malignant tumor, which means that dermatomyositis is a kind of paraneoplastic syndrome when they are coexistent. For some patients, successful treatment of the tumor could relieve the dermatomyositis.⁶

Introduction

Dermatomyositis is a skin disease that can be associated with malignant tumors.¹ In Japan, Saito² reported that the most common associated malignancies are gastric cancer or colon cancer, but that cases of head and neck cancer were very rare. We experienced a patient with laryngeal carcinoma coexisting with dermatomyositis. We gave priority to the laryngeal treatment. As a result, the symptoms of dermatomyositis were improved. This case report presents the clinical findings, diagnosis and progress after the treatment.

Case Report and Discussion

The patient was a 63-year-old Japanese male. He was admitted to our department of



Figure 1. His clinical findings showed bilateral eyelid edema with erythema (left) and finger edema with keratinizing erythema (right).





Figure 2. In the fiberscopic findings, a laryngeal tumor occupied the glottic space (asterisk).



Figure 3. Eyelid edema with erythema and finger edema with keratinizing erythema were improved by the total laryngectomy.

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