A Case of Malignant Lymphoma Suspected as Peritoneal Metastasis from Laryngeal Carcinoma

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We report herein on a rare case of double primary malignant tumors composed of squamous cell carcinoma of the larynx and malignant lymphoma. The patient was a 60-year-old man with the chief complaints of swelling on the right side of his neck and hoarseness. Endoscopic examination demonstrated a massive tumor on the right supraglottic tissue. The accumulation of fluorodeoxyglucose was seen in the larynx, the cervical lymph nodes, the spleen, and the intraperitoneal lymph nodes. Supraglottic squamous cell carcinoma of the larynx (T4aN2bM1) was diagnosed. Two courses of chemotherapy was first performed, and the intraperitoneal lesion almost disappeared on PET-CT. After the third course of chemotherapy, concurrent chemoradio-therapy was administered. As a result, the right supraglottic tumor had completely disappeared. However, an intraperitoneal lymph node had developed. The patient underwent laparotomy, and the histopathological diagnosis was diffuse large B-cell lymphoma. The patient was treated with R-CHOP. There was no recurrence of laryngeal carcinoma observed for 9 months until he died of malignant lymphoma.

Keywords : malignant lymphoma, laryngeal carcinoma, intraperitoneal tumor

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a: The endoscopic view showing a tumor in the right aryepiglottic fold

b, c: Histopathologic examination showing proliferation of atypical cell with high nuclear-cytoplasmic ratio (H&E; original magnification b: $\times 100$, c: $\times 400$)

PET-CT before treatment showing high uptake in the larynx, bilateral neck lymph nodes, spleen, and epigastric lymph nodes

Histopathologic examination of the abdominal lymph node showing dense proliferation of atypical cell with anisonucleosis, compatible with malignant lymphoma (a: H&E, $\times 400$, b: CD20, $\times 400$, c: BCL-2, $\times 400$, d: BCL-6, $\times 400$)