

Solitary plasmacytoma of the larynx treated with radiotherapy: a case report

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ABSTRACT

Aims and background. Solitary plasmacytomas are rare tumors accounting for less than 10% of plasma cell neoplasms. On initial presentation they must be differentiated from multiple myeloma. This can be difficult because a high percentage of these tumors may be associated with subsequent development of multiple myeloma. We present a case of plasmacytoma of the larynx treated with surgery and radiotherapy.

Case report. A 56-year-old man presented a solitary plasmacytoma of the larynx. The diagnosis was made by biopsy and the presence of a mass on the right side of the larynx was confirmed by computed tomography and whole-body positron-emission tomography. Soon after the biopsy the patient underwent a CO₂ laser cordectomy. After the definitive histological confirmation, the patient was referred to our department for three-dimensional conformal radiotherapy (3DCRT) to the involved site with curative intent. The prescribed dose was 50 Gy.

Results. Five months after the 3DRTE treatment there was no CT or PET evidence of tumor, and examination by the otorhinolaryngologist confirmed the success of laser cordectomy and 3DRTE treatment. There were no long-term side effects of the treatment.

Conclusion. Radiation therapy following CO₂ laser cordectomy can achieve excellent locoregional control of solitary plasmacytoma of the larynx.

Key words: plasmacytoma, radiotherapy, larynx.

Competing interests: The authors declare that they have not competing interests.

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Received October 26, 2010;
accepted February 23, 2011.