

CASE REPORT: 3 YEARS SURVIVAL OF PRIMARY THYROID LEIOMYOSARCOMA

Zuñiga, Sergio¹; Rojas, Andres¹; Muñoz, Mario¹; Arevalo, Joel²

¹IDC Las Americas, Medellin, Antioquia, Colombia; ²Universidad de Antioquia, Medellin, Antioquia, Colombia

Background/Purpose: This is a 55 years old woman, who consulted at our Head and Neck Service in January 2010 for enlargement of her right thyroid lobe. On ultrasound (US) a 1 cm solid and partially cystic nodule was found. US fine needle aspiration (FNA) biopsy reported anaplastic carcinoma. A second US FNA showed un-differentiated carcinoma.

She had left lobectomy for benign disease in 2008.

Physical examination founded a 1 cm right thyroid nodule.

Extension images did not show any other mass.

Methods: The patient underwent a surgical procedure of residual thyroidectomy and central lymph node dissection (CLND). At surgery, a 1 cm hard and irregular tumor was found.

Results: Pathological findings showed a 0.8 cm yellowish irregular nodule at right thyroid. On histology the lesion was “focally well defined, but unencapsulated and was composed of interlacing fascicles of atypical spindle and epitheloid cells that arises from a wall of a blood vessel, with a high mitotic rate”.

Lymph node dissection showed 0/13. The thyroid bed was negative from malignant involvement.

Immunohistochemical stains showed positivity for α -smooth actin and desmine in the spindle cells, S100 and other stains were negative, the diagnosis: primary high grade leiomyosarcoma.

She received adjuvant radiotherapy and is disease-free for 3 years, on regular follow-up.

To date only 19 cases are found in the literature.

Discussion & Conclusion: Primary thyroid leiomyosarcomas accounts for less than 0.02% of thyroid tumors.

The aim of this case report is to show the longest survival of this disease.