

# Schwannoma with Cystic Degeneration of the Brachial Plexus: A Case Report

Lusine Aleksanyan<sup>1</sup>, Tigran Afyan<sup>1</sup>, Parandzem Khachatryan<sup>1</sup>, and Anna Poghosyan<sup>1</sup>

<sup>1</sup>Yerevan State Medical University Named after Mkhitar Heratsi

August 28, 2020

## Abstract

**Abstract** A case of a supraclavicular cystic mass arising from the brachial plexus and histologically confirmed to be a schwannoma is presented. Due to its low accuracy, FNAC should not be used as an ultimate diagnostic tool. Complete surgical removal while maintaining the nerve trunk was performed.

## Figure legends

**Figure 1** . External view of patient's neck—the swallow on the left supraclavicular region

**Figure 2** . Ultrasound imaging of the cystic mass on the neck

**Figure 3.** Intraoperative view of the lesion: encapsulated mass within the C6 and C7 roots **Figure 4.** Macroscopic view of the enucleated tumor

**Figure 5.** Pseudocystic areas without apparent lining, x40, H&E

**Figure 6.** Immunohistochemical staining S100, x40, diffuse strong expression of the S-100 protein

**Figure 7.** Immunohistochemical staining S100, x200, diffuse strong expression of the S-100 protein

**Figure 8.** Immunohistochemical staining CD34 shows negative reaction for lining (arrows), positive in vessels (arrowheads), x200

**Figure 9** . Immunohistochemical staining AE1/3 shows negative reaction for lining (arrows) x100

















