



Fine Needle Aspiration of Right Facial Tumor

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Figure 1: CT Scan, Axial view

Clinical History:

A 68-year old female is seen in the ears, nose and throat (ENT) department with a massive tumor on the right side of her face. The mass is cystic and ulcerated with a large cavitory area. The growth has been present for 15 years and has been slowly enlarging in size. Over the past six months it started draining purulent fluid. The tumor involves the patient's ear, extends down into her neck and her face. Computed tomography (CT) scans of the neck (**Figures 1 and 2**) show a massive heterogeneously enhancing exophytic right neck mass arising from the right parotid space and extending superiorly to the level of the right frontal convexity and inferiorly to the level of the right clavicle. The mass measures approximately 13 cm x 11 cm x 22 cm and contains a large air-filled ulceration.

The patient smokes approximately one to two packs of cigarettes a day and drinks one to two glasses of red wine per day. A fine needle aspiration was performed in the physician's office on this right facial tumor.



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Figure 2: CT Scan, Coronal T1 view

Cytopathology Features:

The Papanicolaou-stained fine needle aspiration slides reveal large areas of matrix stroma with enlarged spindled shaped nuclei (**Figure 3**). Corresponding Diff-Quik stained slides show large groups of spindle type cells surrounded by a metachromatic stroma (**Figures 4 and 5**). Other areas show large amounts of inflammation and necrosis. The cell block demonstrated large groups of spindle cells and areas of necrosis (**Figure 6**).

Figure 3: FNA, Papanicolaou stain, 40x

Figure 4: FNA, Diff-Quik stain, 20x

Figure 5: FNA, Diff-Quik stain, 40x

Figure 6: Cell Block, Hematoxylin & Eosin stain, 20x