



Case Report: Invasive Salivary Duct Carcinoma and Intraductal Carcinoma Arising in the Background of Sclerosing Polycystic Adenosis

Andrew T. Heffernan, MD; Stephen P. Hadford, MD; Marc L. Silverberg, MD; Daniel W. Karakla, MD;
Bruce M. Wenig, MD
Eastern Virginia Medical School

Objectives:

We describe the presentation, imaging, clinical history, surgical resection, and histologic pathology of multiple rare salivary gland neoplasms arising together in a parotid gland.

Materials and Methods:

Hematoxylin and eosin, histochemical, and immunohistochemical stained slides of a left parotid gland surgical specimen were reviewed by a head and neck pathologist following surgical resection of the tumor.

Results:

The pathologic examination revealed invasive salivary duct carcinoma (SDC) and intraductal carcinoma (IC) arising in the background of sclerosing polycystic adenosis (SPA). The patient's parotid gland neoplasms were complex and the histology spanned from benign lesions to malignant neoplasms that were multifocal in nature.

Conclusion:

To the author's best knowledge we report the first case of a multifocal invasive SDC and IC arising within the background of SPA in the parotid gland. The treatment and prognosis in a case such as this should be based off of the most aggressive neoplasm (invasive SDC). Treatment should include complete resection followed by radiation therapy along with close surveillance.