



NTP Nonneoplastic Lesion Atlas

Salivary Gland, Duct – Cyst

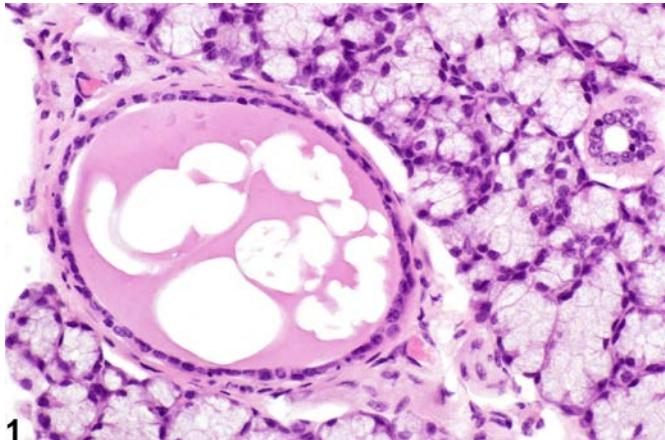


Figure Legend: **Figure 1** Salivary gland, Duct - Cyst in a female B6C3F1 mouse from a chronic study. The cyst is roughly circular, and the epithelium is somewhat flattened.

Comment: Salivary gland duct cysts tend to involve one or a few ducts and usually have a circular profile (Figure 1), whereas ductular dilation of salivary glands is typically more generalized (involving multiple ducts), and the ducts tend to have an irregular profile (see Salivary gland, Duct - Dilation). Cysts may be caused by obstruction of a duct by calculi, trauma, or foreign body. Ductular dilation and ductular cysts are not common in NTP rodent studies.

Recommendation: Duct cysts should be diagnosed but are generally not graded unless there is a treatment-related effect on the size of the cysts. If squamous metaplasia of the ductal epithelium is present, it should be diagnosed and graded separately.

References:

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Abstract: <http://ntp.niehs.nih.gov/go/6961>

Neuenschwander SB, Elwell MR. 1990. Salivary glands. In: *Pathology of the Fischer Rat* (Boorman GA, Montgomery CA, MacKenzie WF, eds). Academic Press, San Diego, CA, 31-42.

Abstract: <http://www.ncbi.nlm.nih.gov/nlmcatalog/9002563>



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Authors:

Linda H. Kooistra, DVM, PhD, DACVP
Pathologist
Charles River Laboratories, Inc.
Research Triangle Park, NC

Abraham Nyska, DVM, Diplomate ECVP, Fellow IATP
Expert in Toxicologic Pathology
Visiting Full Professor of Pathology
Sackler School of Medicine, Tel Aviv University
Timrat Israel