



NTP Nonneoplastic Lesion Atlas

Seminal Vesicle – Dilation

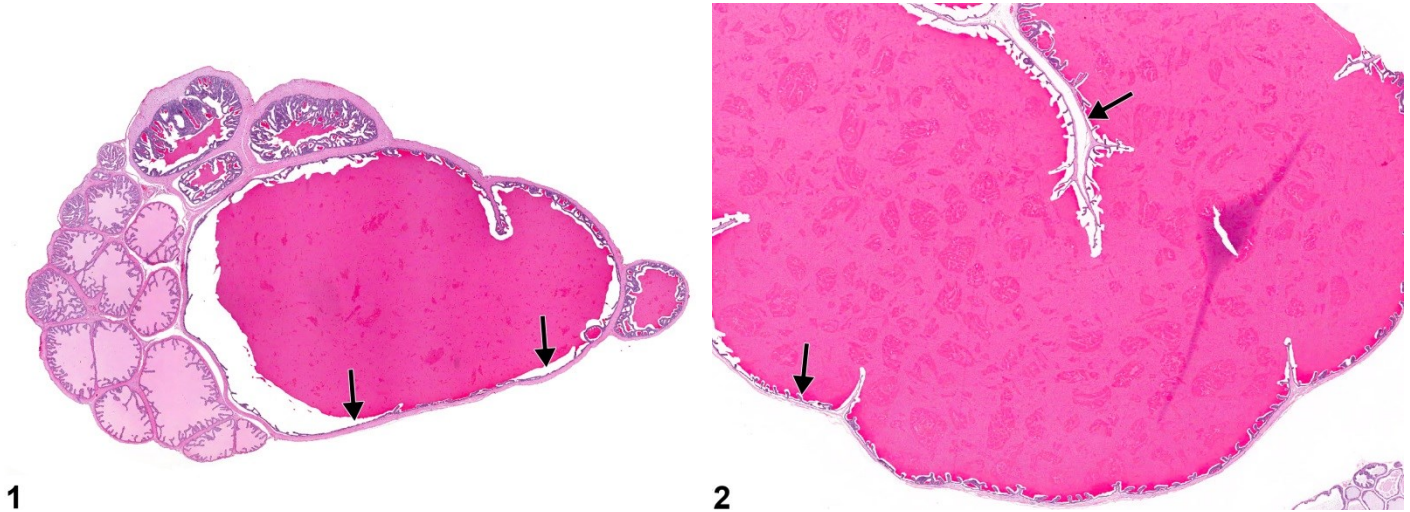


Figure Legend: **Figure 1** Seminal Vesicle - Dilation. Arrows indicate flattened epithelium in the distended acinus in a male F344/N rat from a chronic study. **Figure 2** Seminal Vesicle - Dilation. Arrows indicate flattened epithelium in the distended acinus in a male F344/N rat from a chronic study.

Comment: Dilation of seminal vesicles consists of distension of the gland with secretory material (Figure 1 and Figure 2). The epithelial cells and the papillary folds are flattened and reduced (arrows, Figure 1 and Figure 2). Dilation may be associated with obstruction and may lead to inspissation. Seminal vesicle dilation is usually associated with older age.

Recommendation: Dilation should be recorded and graded. If both seminal vesicles are involved, the diagnosis should be qualified as bilateral and the severity grade determined by the more severely affected seminal vesicle.

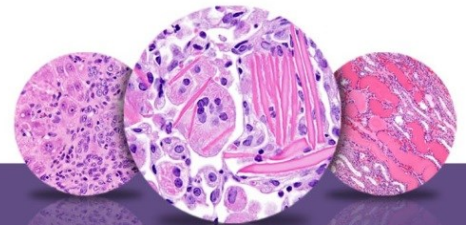
References:

Creasy D, Bube A, de Rijk E, Kandori H, Kuwahara M, Masson R, Nolte T, Reams R, Regan K, Rehm S, Rogerson P, Whitney K. 2012. Proliferative and nonproliferative lesions of the rat and mouse male reproductive system. *Toxicol Pathol* 40:40S-121S.

Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/22949412>

Radovsky A, Mitsumori K, Chapin RE. 1999. Male reproductive tract. In: *Pathology of the Mouse: Reference and Atlas* (Maronpot RR, Boorman GA, Gaul BW, eds). Cache River Press, Vienna, IL, 381-407.

Abstract: <http://www.cacheriverpress.com/books/pathmouse.htm>



NTP Nonneoplastic Lesion Atlas

Seminal Vesicle – Dilation

References:

Suwa T, Nyska A, Peckham JC, Hailey JR, Mahler JF, Haseman JK, Maronpot RR. 2001. A retrospective analysis of background lesions and tissue accountability for male accessory sex organs in Fischer-344 rats. *Toxicol Pathol* 29(4):467-478.

Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/11560252>

Suwa T, Nyska A, Haseman JK, Mahler JF, Maronpot RR. 2002. Spontaneous lesions in control B6C3F1 mice and recommended sectioning of male accessory sex organs. *Toxicol Pathol* 30(2):228-234.

Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/11950166>

Authors:

Dianne M. Creasy, PhD, Dip RCPATH, FRCPath
Dianne Creasy Consulting LLC
Pipersville, PA

Robert R. Maronpot, DVM, MS, MPH, DACVP, DABT, FIATP
Senior Pathologist
Experimental Pathology Laboratories, Inc.
Research Triangle Park, NC

Dipak K. Giri, DVM, PhD, DACVP
Toxicologic Pathologist
Integrated Laboratory Systems, Inc.
Research Triangle Park, NC