**Prostate – Edema**

**Figure Legend:** Figure 1 Prostate - Edema. Edema of the prostate from a male F344/N rat in a chronic study. Figure 2 Prostate - Edema. Higher magnification of Figure 1. Edema of the prostate from a male F344/N rat in a chronic study.

**Comments:** Edema is not a common finding in the prostate and may be related to interruption of vascular drainage. The interstitium is expanded by lightly staining eosinophilic and delicate wispy material. When present, a search for an apparent cause is appropriate. Inflammatory cytokines, substance P, and cytotoxic inflammatory factor type 1-positive *E. coli* have been associated with prostate edema in rats. Sporadic cases of prostate edema have been documented in NTP rat and mouse studies.

**Recommendation:** When present, edema should be diagnosed and graded. Because it is interstitial, one or more lobes may be affected, and a lobe qualifier may not be needed.

**References:**

References:


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