



# NTP Nonneoplastic Lesion Atlas

## *Urinary bladder – Introduction*

Information on the following lesions is available in this section:

[Urinary bladder - Angiectasis](#)

[Urinary Bladder - Calculus/Crystal](#)

[Urinary bladder - Dilation](#)

[Urinary bladder - Edema](#)

[Urinary bladder - Hemorrhage](#)

[Urinary bladder - Infiltration Cellular, Lymphocyte](#)

[Urinary bladder - Inflammation](#)

[Urinary bladder - Metaplasia](#)

[Urinary bladder - Mineralization](#)

[Urinary bladder - Necrosis](#)

[Urinary bladder - Pigment](#)

[Urinary bladder - Proteinaceous plug](#)

[Urinary bladder - Ulcer](#)

[Urinary bladder, Urothelium - Cytoplasmic granules](#)

[Urinary bladder, Urothelium - Hyperplasia](#)

[Urinary bladder - Vacuolation, Cytoplasmic](#)

Click the tabs in the left-hand column.

### **Authors:**

John Curtis Seely, DVM, DACVP  
Senior Pathologist  
Experimental Pathology 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