## diagnostic tree

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## Evaluating Hematuria

Potential Cau	ses of Hematuria
URINARY CAUSES	EXTRAURINARY CAUSES
Initial Hematuria*	
Urethra	Spontaneous bleeding unassociated with
• Trauma	voiding may also occur with:
• Infection	<ul> <li>Prostatic infection, cyst, abscess, neoplasia</li> </ul>
Urolithiasis	<ul> <li>Uterine infection, neoplasia, subinvolution;</li> </ul>
• Neoplasia	proestrus
Granulomatous urethritis	<ul> <li>Vaginal/vulvar neoplasia, trauma</li> </ul>
	<ul> <li>Preputial/penal neoplasia, trauma</li> </ul>
Bladder trigone region	
Neoplasia	
Iotal or Ierminal Hematuria	
Pseudohematuria <sup>®</sup>	Prostatic (see above)
Kidney, ureter, bladder	Bleeding disorders (coagulopathy,
• Trauma	thrombocytopenia)
Infection	Heat stroke
Urolithiasis	Exercise-induced hematuria
Neoplasia	
Parasitism	* Initial hematuria: Hematuria most pronounced at the
<ul> <li>Drug-induced (cyclophosphamide)</li> </ul>	Total hematuria: Hematuria present throughout voiding
Feline lower urinary tract	+ Terminal hematuria: Hematuria most pronounced at the
Inflammation syndrome	Seudohematuria: Reddish-brown urine caused by
Renal Infarction	hemoglobinuria or myoglobinuria (urine sample will not
Kenal telangiectasia	sediment)
Idiopathic renal hematuria	



