

# **Mitochondrial DNA induces Foley catheter related bladder inflammation via Toll-like receptor 9 activation**

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<b>Criterion</b>	<b>Fraction of basement membrane covered by epithelium</b>	<b>Bladder wall pathology</b>	<b>Neutrophils*</b>	<b>Mononuclear cells*</b>
<u>Score:</u>				
0	>80%	No significant change	0 HPF	0 HPF
1	65-80%	Minimal to mild congestion, +/- edema and minimal to mild hemorrhage	Rare; 1-5 HPF	Rare; 1-5 HPF
2	50-65%	Moderate congestion, +/- edema and hemorrhage	6-20 HPF	6-20 HPF
3	25-50%	Moderate congestion, +/- edema and hemorrhage, and extensive epithelial necrosis	Heavy (moderate)	Heavy (moderate)
4	<25%	Congestion/hemorrhage/edema; extensive epithelial necrosis and necrosis of subepithelial tissues	Massive (marked)	Massive (marked)

**Supplemental Table 1.** Bladder pathology scoring scheme. \*Assessment of inflammation performed at 10 sites at 400x total magnification, with scores averaged to the nearest 0.5; HPF = hits per field (site).