

## Pain-control Optimization Pathway after Ureteroscopy

Medication	Dose	Route of Administration	Duration of Therapy
<b>Recommendation: Intraoperative</b>			
<b>NSAIDs</b> e.g. Ketorolac	30mg	IV	Procedure Only
<b>Recommendation: Postoperative Bundle</b>			
<b>NSAIDs</b> e.g. Ketorolac	10mg	oral	Q6 x 5 days (20 tablets)
<b>α-blockers</b> e.g. Tamsulosin	0.4mg	oral	QD (duration of stent or 30 days)
<b>Anticholinergic</b> e.g. Oxybutynin XL	10mg	oral	QD (duration of stent)
<b>Acetaminophen*</b>	650mg	oral	Q6h PRN
<b>Optional: Postoperative</b>			
<b>Pyridium</b>	200mg	oral	PRN x 3 days

\*do not exceed 3000 mg of acetaminophen in a 24 hour period

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Medication Recommendations	Contraindications
<b>Recommendation: Intraoperative and Postoperative</b>	
<p style="text-align: center; color: #008080;"><b>NSAIDs</b></p> <p>e.g. Ketorolac</p>	<p>Allergy</p> <p>Acute renal failure</p> <p>Creatinine <math>\geq 1.9</math></p> <p>325 mg Aspirin: concurrent chronic NSAIDs use</p> <p>Gastric bypass</p> <p>Irritable bowel disease (IBS)</p> <p>Peptic ulcer disease</p> <p>Coronary artery bypass grafting (CABG) - within 30 days</p> <p>Anti-coagulant therapy**</p>
<p style="text-align: center; color: #008080;"><b>Anticholinergic</b></p> <p>e.g. Oxybutynin XL</p>	<p>Closed-angle glaucoma</p> <p>Gastroparesis</p> <p>Myasthenia gravis</p> <p>Concurrent use of potassium salts</p> <ul style="list-style-type: none"> <li>• (potassium chloride/potassium citrate)</li> </ul> <p>Urinary retention</p>

\*\*at physician's discretion for patients on anti-coagulant therapy