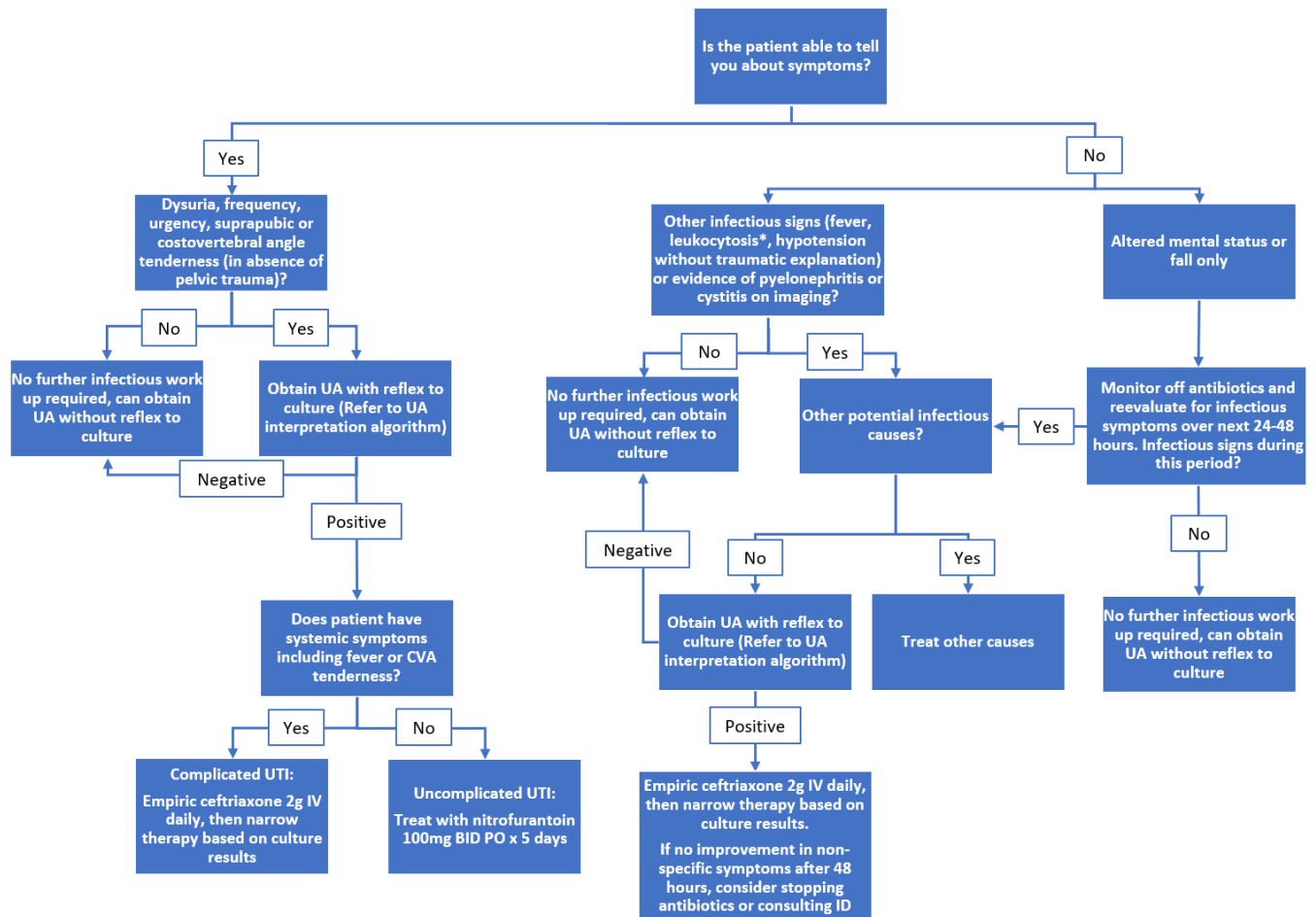
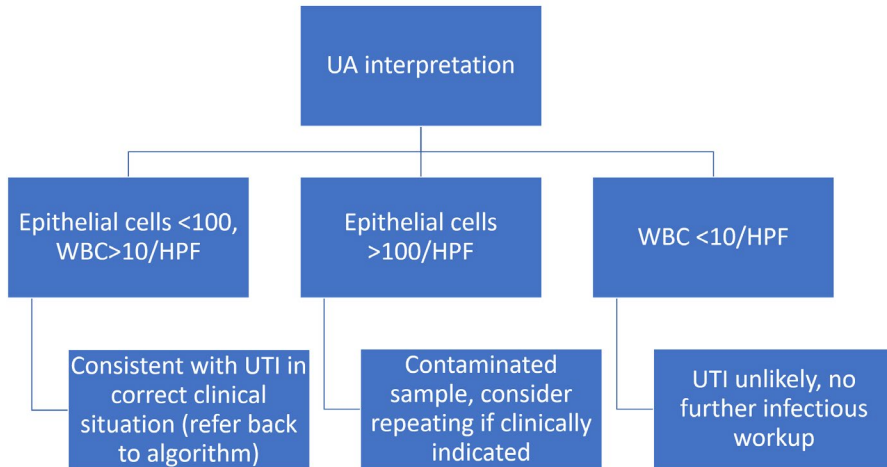


Diagnosis and treatment of UTI in patients presenting with significant trauma



Algorithm 1. Diagnosis of Urinary Tract Infection in patients presenting with trauma

*Isolated leukocytosis does not warrant infectious work up. Recommend observing for other signs of infection before proceeding with evaluation. In patients with antibiotic allergies, culture data demonstrating resistance, or reduced renal function utilize [UTI treatment guidance](#).



Algorithm 2. Urinalysis (UA) interpretation algorithm.

The presence of blood, bacteria, or yeast on UA does not correlate with urinary tract infection and microscopy results should be prioritized for review. Epithelial cells >100 indicates a contaminated urinary sample where other results including pyuria, positive leukocyte esterase, positive nitrates, and bacteriuria do not reliably correlate to UTI. Lack of pyuria has very high negative predictive value for urinary tract infection in non-neutropenic patients.

Created by: Mackenzie Keintz, MD

Reviewed by: NM Antimicrobial Stewardship Committee

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