## Acutely Altered Mental Status (AMS) **UTI Specific Signs and Symptoms** (without alternative cause) Change in Mental Status (Only Symptom) Urgency (i.e., periods of altered perception, disorganized speech, lethargy) Costovertebral Pain or Tenderness Flank Pain Suprapubic Pain or Tenderness Acute Hematuria One or more of the following (without an alternative explanation): Fever (>38° C) or Rigors Elevated WBC (>10,000 cells/mm<sup>3</sup>) Hypotension (< 90 mmHg Systolic) 2 or more SIRS Criteria Yes Temp >38°C or <36°C, HR >90 bpm, RR> 20 breaths per minute or PaCO<sub>2</sub> <32 mmHg, abnormal WBC (>12,000 cells/ mm<sup>3</sup> or <4,000 cells/mm<sup>3</sup> or >10% immature [band] forms) Send urine sample for No Evaluate for other causes of altered mental status Attempt hydration (oral or intravenous) Evaluate medications for new medications, potential interactions and polypharmacy or adverse events Consider changes to current medication regimen (i.e., consider holding diuretic or psychotropic medications) Acutely observe for prompt resolution within 24-48 hours If change in mental status does If urinalysis is negative, If urinalysis is positive, send stop further evaluation of specific signs or symptoms urine sample for culture If the urine culture is negative If symptoms have resolved but presenting symptoms If the urine culture is positive and without antibiotic therapy, do persist, continue to evaluate symptoms have not resolved, not treat regardless of urine for other etiologies and do not consider antibiotic therapy culture results treat with antibiotics Do not send urinalysis or urine culture for test of cure. If presenting symptoms persist, consider evaluation for other possible etiologies

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Inpatient Algorithm Assessing for Urinary Tract Infection in Elderly Patients with

Modeled based on Mody, L (2014). JAMA. 2014 February 26; 311(8): 844–854. doi:10.1001/jama.2014.303