

Inpatient Assessment for UTI in Altered Mental Status

Change in Mental Status (Only Symptom)

(i.e. periods of altered perception, disorganized speech, lethargy)

One or more of the following (without alternative explanation)?:

- WBC > 10,000 cells/mm³
- < 90 mmHg Systolic BP
- 2 or more SIRS criteria

NO

- Attempt hydration (oral or IV)
- Evaluate medications for potential interactions or adverse events
- Consider changes to current medication regimen (i.e. consider holding diuretic or psychotropic medications)
- **Observe for 24-48 hours**

Did change in mental status resolve in 24-48 hours AND no UTI specific signs or symptoms developed?

YES

Stop further evaluation of UTI

YES

NO

UTI-Specific S/Sx (without alternative cause)

- Urgency
- Frequency
- Dysuria
- Costovertebral pain or tenderness
- Flank pain
- Suprapubic pain or tenderness
- Acute hematuria
- Fever (>38°) or Rigors

Send urine sample for urinalysis (UA) with reflex culture

Negative UA

Stop further evaluation of UTI

Positive UA

UTI symptoms present

Culture -

Evaluate other etiologies besides infection

Culture +

Consider antibiotic treatment

Do not send UA or culture for test of cure. If symptoms persist evaluate other etiology.

UTI symptoms absent/resolved

Do not treat regardless of culture results