ASTRIA SUNNYSIDE HOSPITAL

UTI/ASB Process Map

```
Patient presents to ED
        │
        ▼
Elderly, septic, AMS,        ──No──►  Diagnostic workup
abdominal pain?                        per physician
        │
       Yes
        │
        ▼
UA ordered per nursing   ──►  Nurse obtains UA and  ──►  Medical technologist   ──►  Analyzer communicates  ──►  Does the UA
protocols or per physician    transports to lab          processes UA with            result to Cerner for        contain leukocyte
favorited sentence "UA                                   analyzer, microscope,        physician review            esterace, pyuria?
Complete w/Culture"                                      and dipstick                                               
```

Does the UA contain leukocyte esterace, pyuria?
- No ──► No antibiotic
- Yes ──► Physician prescribes ceftriaxone 1g qd (inpatient) or oral beta lactam (outpatient)

Analyzer communicates result to Cerner for physician review ──► Cerner automatically applies reflux criteria

Cerner automatically applies reflux criteria ──► Does the UA meet all 3 below:
5 WBCs/HPF
1 + or > bacteria
10 epth cells/hpf

Does the UA meet all 3 below:
- No ──► Urine only cultured if physician requests due to symptoms, pregnancy, on the fence about treatment
- Yes ──► Microbiologist plates and incubates urine ──► Result generated within 2-3 days