

**Suspect UTI in Children**

**Age < 3m**

**3m - 12m**

**12m - 3y**

**> 3 yr**

**Hospital**

**Clean Catch Urine ?**

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**Clean Catch Urine / MSU?**

**Bag Urine**

**Bag Urine**

**Dipstick**

**Stop**  
Consider alternate Diagnosis

**Culture Urine**

**Treat**

**STOP ABX**

**Imaging USS**

Unwell Septic Abnormal Vitals

For **Catheter/SPA** and further Evaluation

+ve LE / Nitrites

Y

Y

Can't get

Can't Get

NEG

NEG

? Can't Obtain

+ve LE / Nitrites

+ve LE / Nitrites

Consider alternate Diagnosis

Don't send Bag Urine for culture

? Need to culture urine  
? need for clean catch or Catheter/SPA

Ok to send clean catch urine for culture

Need to Confirm Infection

>10<sup>5</sup> CFU/mL clinically relevant organisms + pyuria/bacteruria\*

**Treat Empirically and await cultures**

Unwell Septic Abnormal Vitals

**TMP/SMX 4 mg/kg bid 3d**  
**Cephalexan 12.5 - 25mg/kg tid 3-7d**  
**Amoxi/clav 10-15mg/kg tid 3-7d**

**Treat Empirically**

Reassess 48 hrs

Culture Negative

All < 6m with first **febrile** UTI (NICE and AAP)  
? 6 - 12 (?24) m first presentation **febrile** UTI (AAP guidelines)  
All **atypical** Infections (everything non *E.coli*) (NICE)  
**Recurrent** Febrile (2 Upper, 1 Upper + 1 Lower, 3 Lower)

