**Table S1**. Criteria for Study Defined UTI Diagnostic Classifications

|  |  |
| --- | --- |
| **Cystitis** |  |
|  |  |
|  Definite/probable  | * Presence of dysuria or other significant urinary symptoms
 |
| All 4 criteria required | * Absence of significant vaginal signs/symptomsa
 |
|  | * Positive urinalysisb or positive urine culture
 |
|  | * Absence of an alternative diagnosis
 |
|  |  |
|  Possible | * Not meeting criteria for other categories
 |
|  |  |
|  Unlikely  | * Absence of significant urinary symptoms
 |
| Any of the 4 required | * Presence of significant vaginal signs/symptomsa
 |
|  | * Negative urinalysisc
 |
|  | * Probable alternative diagnosis
 |
|  |  |
|  Rejected  | * Definitive alternative diagnosis
 |
| Any of the 3 criteria required | * Negative urine culture in the absence of antibiotics within the last week
 |
|  | * No resolution/improvement in signs/symptoms despite adequate UTI treatment.
 |
|  |  |
| **Pyelonephritis** |  |
|  |  |
| Definite/probable  | * Temperature > 37.8 or reported fever/chills or leukocytosis
 |
| All 5 criteria required | * Either flank pain or significant urinary symptoms
 |
|  | * Absence of significant vaginal signs/symptomsa
 |
|  | * Positive urinalysisb
 |
|  | * Absence of alternative diagnosis
 |
|  |  |
|  Possible | * Not meeting criteria for other categories
 |
|  |  |
|  Unlikely Any of the 4 criteria required | * Absence of temperature > 37.8, reported fever/chills, leukocytosis, or flank pain
 |
|  | * Presence of significant vaginal signs/symptomsa
 |
|  | * Negative urinalysisc
 |
|  | * Probable alternative diagnosis
 |
|  |  |
|  Rejected | * Definitive alternative diagnosis
 |
| Any of the 3 criteria required | * Urine culture negative in the absence of antibiotics within the last week OR
 |
|  | * No resolution/improvement of symptoms/signs in follow up despite adequate UTI treatment
 |

a in the absence of a positive urine culture

ba positive urinalysis = presence of at least one of the following; positive nitrite, positive leukocyte esterase or > 5 wbc/hpf

ca negative urinalysis = negative nitrite, negative leukocyte esterase and if done < 5 wbc/hpf

Consider leukocyte esterase=trace as negative if wbc < 5 wbc/hpf