Identification and Categorization of SUTI Indwelling Catheter Discontinued in Prior 48 Hours

**Figure 1**

Patient had an indwelling urinary catheter at the time of specimen collection

**Signs and Symptoms**

- At least 1 of the following with no other recognized cause:
  - fever (>38°C)
  - suprapubic tenderness
  - costovertebral angle pain or tenderness

**Urinalysis**

- A positive urinalysis demonstrated by at least 1 of the following findings:
  - positive dipstick for leukocyte esterase and/or nitrite
  - pyuria (urine specimen with $\geq 10$ WBC/mm$^3$ or $\geq 3$ WBC/high power field of unspun urine)
  - microorganisms seen on Gram stain of unspun urine

**Culture Evidence**

- A positive urine culture of $\geq 10^5$ CFU/ml with no more than 2 species of microorganisms
- A positive urine culture of $\geq 10^3$ and $< 10^5$ CFU/ml with no more than 2 species of microorganisms

**SUTI – Criterion 1a**

CAUTI

**SUTI – Criterion 2a**

CAUTI

*Figure 2.*

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Identification and Categorization of SUTI Indwelling Catheter Discontinued in Prior 48 Hours

Patient had an indwelling urinary catheter discontinued within 48 hours prior to specimen collection

At least 1 of the following with no other recognized cause:
- fever (>38°C)
- urgency
- frequency
- dysuria
- suprapubic tenderness
- costovertebral angle pain or tenderness

OR

A positive urinalysis demonstrated by at least 1 of the following findings:
- positive dipstick for leukocyte esterase and/or nitrite
- pyuria (urine specimen with ≥10 WBC/mm³ or ≥3 WBC/high power field of unspun urine)
- microorganisms seen on Gram stain of unspun urine

A positive urine culture of ≥10⁵ CFU/ml with no more than 2 species of microorganisms

SUTI – Criterion 1a

CAUTI

A positive urine culture of ≥10³ and <10⁵ CFU/ml with no more than 2 species of microorganisms

SUTI – Criterion 2a

CAUTI
Identification and Categorization of SUTI Without Indwelling Catheter at Time of or Within 48 Hours Prior to Specimen Collection

Patient did not have an indwelling urinary catheter at the time of specimen collection nor within 48 hours prior to specimen collection

At least 1 of the following with no other recognized cause:
- fever (>38°C) in a patient ≤65 years of age (fever is not part of criteria for those >65 years of age)
- urgency
- frequency
- dysuria
- suprapubic tenderness
- costovertebral angle pain or tenderness

Urinalysis Culture Evidence

OR

A positive urinalysis demonstrated by at least 1 of the following findings:
- positive dipstick for leukocyte esterase and/or nitrite
- pyuria (urine specimen with ≥10 WBC/mm³ or ≥3 WBC/high power field of unspun urine)
- microorganisms seen on Gram stain of unspun urine

A positive urine culture of ≥10^5 CFU/ml with no more than 2 species of microorganisms
A positive urine culture of <10^5 CFU/ml with no more than 2 species of microorganisms

SUTI – Criterion 1b
SUTI – Criterion 2b

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Identification and Categorization of SUTI in Patient ≤1 Year of Age

**Patient ≤1 year of age (with or without an indwelling urinary catheter)**

At least 1 of the following with no other recognized cause:

- ☐ fever (>38°C core)
- ☐ hypothermia (<36°C core)
- ☐ apnea
- ☐ bradycardia
- ☐ dysuria
- ☐ lethargy
- ☐ vomiting

OR

A positive urinalysis demonstrated by at least 1 of the following findings:

- ☐ positive dipstick for leukocyte esterase and/or nitrite
- ☐ pyuria (urine specimen with ≥10 WBC/mm³ or ≥3 WBC/high power field of unspun urine)
- ☐ microorganisms seen on Gram stain of unspun urine

A positive urine culture of ≥10⁵ CFU/ml with no more than 2 species of microorganisms

A positive urine culture of ≥10³ and <10⁵ CFU/ml with no more than 2 species of microorganisms

**SUTI – Criterion 3**

Was an indwelling urinary catheter in place within the last 48 hours?

- ☐ Yes
  - CAUTI

- ☐ No
  - SUTI

**SUTI – Criterion 4**

Was an indwelling urinary catheter in place within the last 48 hours?

- ☐ Yes
  - CAUTI

- ☐ No
  - SUTI
Identification of Asymptomatic Bacteremic Urinary Tract Infection (ABUTI)

**Figure 5.**

**Patient with or without an indwelling catheter**

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**Signs and Symptoms**

- Patient of any age:
  - NONE of the following:
    - urgency
    - frequency
    - dysuria
    - suprapubic pain
    - costovertebral angle pain or tenderness
  - Nor: fever >38°C if patient ≤65 years of age

- Patient ≤1 year of age:
  - NONE of the following:
    - fever (>38°C core)
    - hypothermia (<36°C core)
    - apnea
    - bradycardia
    - dysuria
    - lethargy
    - vomiting

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**Culture Evidence**

- A positive urine culture of $\geq 10^5$ CFU/ml with no more than 2 species of uropathogen microorganisms*

- A positive blood culture with at least 1 matching uropathogen microorganism* to the urine culture

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**Asymptomatic Bacteremic Urinary Tract Infection (ABUTI)**

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*Uropathogen microorganisms are: Gram-negative bacilli, *Staphylococcus* spp., yeasts, beta-hemolytic *Streptococcus* spp., *Enterococcus* spp., *G. vaginalis*, *Aerococcus urinae*, *Corynebacterium* (urease positive)*.

†Report *Corynebacterium* (urease positive) as either *Corynebacterium species unspecified* (COS) or, as *C. urealyticum* (CORUR) if so speciated.