

BONE AND JOINT INFECTION (BJ)

BONE – Osteomyelitis

DEFINITION: Osteomyelitis must meet at least **ONE** of the following criteria:

Criterion 1: (Last updated June, 2008)

- Patient has organisms cultured from bone

Criterion 2: (Last updated June, 2008)

- Patient has evidence of osteomyelitis on direct examination of the bone during **ONE** of the following:

- surgical operation
- histopathologic examination

Criterion 3: (Last updated June, 2008)

- Patient has at least **TWO** of the following signs or symptoms at suspected site of bone infection with no other recognized cause:

- fever (>38°C)
- localized swelling
- tenderness
- heat
- drainage

AND

- Patient has at least **ONE** of the following:
 - organisms cultured from blood
 - positive blood antigen test (e.g. *H. influenzae*, *S. pneumoniae*)
 - radiographic evidence of infection (e.g. abnormal findings on x-ray, CT scan, MRI, radiolabel scan [gallium, technetium, etc])

REPORTING INSTRUCTIONS: (Last updated June, 2008)

- Report mediastinitis following cardiac surgery that is accompanied by osteomyelitis as SSI-MED rather than SSI-BONE.

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JNT – Joint or Bursa

DEFINITION: Joint or bursa infections must meet at least **ONE** of the following criteria:

Criterion 1: (Last updated June, 2008)

- Patient has organisms cultured from **ONE** of the following:

- joint fluid

- synovial biopsy

Criterion 2: (Last updated June, 2008)

- Patient has evidence of **ONE** of the following:

- joint infection seen during **ONE** of the following:

- surgical operation

- histopathologic examination

- bursa infection seen during **ONE** of the following:

- surgical operation

- histopathologic examination

Criterion 3: (Last updated June, 2008)

- Patient has at least **TWO** of the following signs or symptoms with no other recognized cause:

- joint pain

- swelling

- tenderness

- heat

- evidence of effusion

- limitation of motion

AND

- Patient has at least **ONE** of the following:

- BOTH** of the following:

- organisms seen on Gram stain of joint fluid

- white blood cells seen on Gram stain of joint fluid

△ positive antigen test on **ONE** □ of the following:

- blood
- urine
- joint fluid

△ **BOTH** □ of the following:

□ cellular profile meeting of joint fluid with **BOTH** ○ of the following:

- compatible with infection
- **not** explained by an underlying rheumatologic

□ chemistries of joint fluid meeting **BOTH** ○ of the following:

- compatible with infection
- **not** explained by an underlying rheumatologic

△ radiographic evidence of infection (e.g. abnormal findings on x-ray, CT scan, MRI, radiolabel scan [gallium, technetium, etc.]

DISC – Disc Space Infection

DEFINITION: Vertebral disc space infection must meet at least **ONE** □ of the following criteria:

□ **Criterion 1:** *(Last updated June, 2008)*

○ Patient has organisms cultured from vertebral disc space tissue obtained during **ONE** △ of the following:

- △ surgical operation
- △ needle aspiration

□ **Criterion 2:** *(Last updated June, 2008)*

○ Patient has evidence of vertebral disc space infection seen during **ONE** △ of the following:

- △ surgical operation
- △ histopathologic examination

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□ Criterion 3: (Last updated June, 2008)

- Patient has **BOTH** **△**:

- △ fever (>38°C) with no other recognized cause:

- △ pain at the involved vertebral disc space

AND

- Patient has radiographic evidence of infection, (e.g. abnormal findings on x-ray, CT scan, MRI, radiolabel scan [gallium, technetium, etc.]).

□ Criterion 4: (Last updated June, 2008)

- Patient has **BOTH** **△**:

- △ fever (>38°C) with no other recognized cause

- △ pain at the involved vertebral disc space

AND

- Patient has positive antigen test (e.g., *H. influenzae*, *S. pneumoniae*, *N. meningitidis*, or Group B Streptococcus) on **ONE** **△** of the following:

- △ blood

- △ urine