

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.

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

□ Criterion 3: *(Last updated June, 2008)*

- Patient has **BOTH** **△**:

- △** fever ($>38^{\circ}\text{C}$) 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 ($>38^{\circ}\text{C}$) 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