Quick Facts

**Cutibacterium Acnes**
An Insidious Threat to Healing

**BACKGROUND**
- Anaerobic gram-positive bacteria that reside in the skin’s hair follicles and sebaceous glands
- Especially found in the face, shoulders, chest, and back
- Forms mature biofilms on the surface of prosthetic materials within 96 hours

**AFFECTED ANATOMY**
- Most frequent pathogen in total shoulder arthroplasty (TSA) infections
- Also affects prosthetic implants in the spine, elbow, hand, knee, and hip

**CLINICAL PRESENTATION**
- Does not typically elicit host inflammatory responses
- Unexplained pain, stiffness, and joint dysfunction may occur after an initially positive surgical outcome
- May not present for 3+ years postoperatively

**DIAGNOSIS**
- Difficult, given absence of local inflammatory signs
- Bacteriological testing requires high-quality samples (3-5 cultures) and prolonged culture time (10-15 days)

**TREATMENT**
- Outcomes of implant-associated infections secondary to *C. acnes* are generally poor
- No current treatment standards or antibiotic regimens
- Over half of *C. acnes* cultures now carry resistance to more than one antibiotic

**REFERENCES**

**JumpStart®**
ANTIMICROBIAL WOUND DRESSING
POWERED BY V.DOX™ TECHNOLOGY

Reduce the Risk of *C. acnes* Infection
100% reduction of *C. acnes* within 24 hours of exposure to JumpStart dressing with V.Dox technology

**50%-60%**
Rate of *C. acnes* infection following revision shoulder surgery

**$46,696**
Maximum average Medicare payment for shoulder joint revision

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