

**APPLICATION FOR 2006 SCIENTIFIC PROGRAM
ABSTRACT DEADLINE DATE IS January 1, 2006**

Please Note:
**All General Session Presentations will be
7 minutes in length plus 3 minutes Q&A.**

Please submit a Structured Abstract. The abstract is to be typed (Font size 12) in the space below. Additional pages will not be considered when grading. Mark the abstract classification. Abstract must include a 3.5 diskette or CD containing a copy of the abstract and all appropriate illustrations. Please identify the format of the saved files on the disk.

RM-12000000

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Please declare if this is a member or resident paper. Member Resident

TITLE: BMP Use in Treatment of Nonunions

ABSTRACT: Sixty-five consecutive patients with nonunions were treated with BMP-2 implantation from May 2004 to June 2005. All patients had minimum follow-up of six months. The patients were treated with supplemental graft, tibia plateau or femoral condyle as well as other implants including intramedullary nail, plate, cerclage wiring or interfragmentary screws.
Findings: At six-month follow-up, all patients had healed except for one patient that required revision surgery at seven months for persistent nonunion and failure of hardware. There were no infections, complications or wound healing problems. There was one instance of significant edema which was more than expected for the surgery performed at one week post surgery. The edema however resolved over a two-week time period and the patient had a normal recovery.

Nonunions

- | | |
|----------------------|----------------------------|
| Femur – 17 | Age Range – 19-84 |
| Tibia – 20 | Median Age – 55.2 |
| Humerus – 8 | Males - 37 |
| Clavicle – 5 | Females - 28 |
| Forearm – 1 | |
| Distal Radius – 1 | Failures - 1 |
| Ulna – 4 | Infections - 0 |
| Patella – 1 | Wound Healing Problems - 0 |
| Subtalar – 1 | Significant Edema - 1 |
| Calcaneus – 1 | |
| Metatarsal – 3 | |
| Arthrodesis Site – 3 | |
| Total - 65 | |

Abstract Classification

<input type="checkbox"/> a. Arthroscopy/Sports Medicine	<input type="checkbox"/> e. Foot/Ankle	<input type="checkbox"/> i. Shoulder/Arm
<input type="checkbox"/> b. Pelvis/Acetabular	<input type="checkbox"/> f. Other Adult Lower Extremity	<input type="checkbox"/> j. Elbow/Forearm/Wrist/Hand
<input type="checkbox"/> c. Adult Hip Reconstruction	<input type="checkbox"/> g. Pediatric/Pediatric Spine	<input type="checkbox"/> k. Tumors/Metabolic Diseases
<input type="checkbox"/> d. Adult Knee Reconstruction	<input type="checkbox"/> h. Spine	<input checked="" type="checkbox"/> l. Basic Research