



## 2008 Section on Orthopaedics Resident Research Awards

The Section on Orthopaedics presents three Resident Research Awards annually during the Section's two-day educational program at the AAP National Conference & Exhibition.

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*PLEASE JOIN IN CONGRATULATING THE 2008 WINNERS...*

### I. First Place Winner

#### **RISK FACTORS FOR SPINAL CORD INJURY DURING SPINAL DEFORMITY SURGERY: A DETAILED ANALYSIS OF SOMATOSENSORY (SSEP) AND MOTOR EVOKED POTENTIAL (MEP) IN 162 CONSECUTIVE PATIENTS.**

*Jaime A. Gomez, MD, presenter*

The presenter received a certificate and a \$1,000 honorarium.

**Purpose:** Combined monitoring with SEP and MEP has high accuracy and specificity and allows detection of early spinal cord dysfunction. However, optimizing sensitivity to capture true positive neural insults while minimizing the unnecessary intraoperative interventions remains a challenge. The purpose of this study is to identify factors that increase the risk of intraoperative EP changes and to provide recommendations for its management.

### II. Second Place Winner

#### **THE RELATIONSHIP BETWEEN FEMORAL VERSION AND NECK-SHAFT ANGLE.**

*Raymond W. Liu, MD, presenter*

The presenter received a certificate and a \$500 honorarium.

**Purpose:** The relationship between version and neck-shaft angle is not well described. Our aim was to validate the concepts of classically defined "apparent" version and newly defined "true" version, which is independent of neck-shaft angle.

### III. Third Place Winner

#### **EFFECTS OF PEDIATRIC KNEE LIGAMENT SURGERY IN SCHOOL-AGED PATIENTS ON SHORT-TERM ACADEMIC PERFORMANCE.**

*Mark A. Vitale, MD, MPH, presenter*

The presenter received a certificate and a \$250 honorarium.

**Purpose:** The effect of timing of surgery for non-emergent orthopaedic injuries on academic performance has not been well studied.

### Special Student Award

#### **AN INVESTIGATION OF BODY FAT PERCENTAGE AND AMBULATORY STATUS IN PEDIATRIC MYELODYSPLASIA PATIENTS.**

*Cherie C. Cross, presenter*

The presenter received a certificate and a \$250 honorarium.

**Purpose:** Among pediatric patients, studies have indicated a higher percentage body fat in those with myelodysplasia than age-matched, healthy controls. This study examined the relationship between body fat percentage and age, sex, neurologic level, walking ability, and comorbidities in pediatric myelodysplasia patients.