



**Volume 10 Spring 1997**  
**Page 67-75**

**Faculty Publications and Presentations**  
**July 1, 1995--June 30, 1996**

**David J. Bozentka, M.D.**

**Presentations**

1. "Evaluation of Tension Applied for External Fixation and Distal Radius Fractures." Pennsylvania Orthopaedic Society Meeting, Fall Scientific Meeting, Philadelphia, PA, Nov. 1995.
2. "Indications for Wrist X-Rays in the Evaluation of Patients with Carpal Tunnel Syndrome." American Academy of Orthopaedic Surgeons, Atlanta, GA, Feb. 1996.

**Publications**

**Peer Review**

1. Rubin JA, Bozentka DJ, Bora FW: Diagnosis of Closed Central Slip Injuries. *JHS* 21B(4), 1996 (In Press).

**Other**

1. Bozentka DJ, Osterman AL: Complications of Endoscopic Carpal Tunnel Release. *Hand Clinics, Volume II*, W.B. Saunders, 1995.
2. Bozentka DJ: MRI of the Hand and Wrist--Clinical Significance and Impact. *Operative Techniques in Sports Medicine*. W. B. Saunders, (Submitted, 1996).
3. Jesse T: Nicholson Award for Outstanding Clinical Teaching Awarded Yearly by the Senior Residency Class, June 1996.

---

**John L. Esterhai, M.D.**

**Publications**

**Peer Review**

1. Garino JP, Lotke PA, Sapega AA, Reilly PJ, and Esterhai JL: Osteonecrosis of the Knee Following Laser-Assisted Arthroscopic Surgery. A Report of Three Cases. *Arthroscopy* 11:467--475, 1995.
2. Beaumont M, Duncan J, Mitchel S, Esterhai JL, Edelstein PH: Veillonella Myositis in an Immunocompromised Patient. *Clin Infect Dis* 21:678--679, 1995.
3. Brighton CT, Shaman P, Heppenstall RB, Esterhai JL, Pollack XX, Steinberg ME, Friedenber BZ: Tibial Nonunion Treated with Direct Current, Capacitive Coupling, or Bone Graft. *CORR* 321:223--234, 1995.
4. Wallace K, Haddad JG, Gannon F, Esterhai JL, Kaplan F, Sapega AA: Skeletal Response to Immobilization Unmasks the Diagnosis of Paget's Disease of Bone. *CORR* (Accepted for Publication).

## **Other**

1. 1. The Best doctors in America: Northeast Region, 1996

## **Robert H. Fitzgerald, Jr., M.D.**

### **Presentations**

1. Fitzgerald RH, Chada H, and Wooley P: Diagnosis of the Infected Total Hip Arthroplasty with Serum Cytokines. The International Hip Society, Nurnberg, Germany, Aug. 31--Sept. 4, 1995.
2. Fitzgerald RH: The Diagnosis and Treatment of the Infected Orthopaedic Implants. Belgique Orthopaedic Association Meeting, Sept. 5--9, 1995.
3. Fitzgerald RH: A Randomized and Prospective Comparison of Enoxaparin and Warfarin in the Prevention of Thromboembolic Disease Following Total Knee Arthroplasty. Prevention of Venous Thromboembolism in Total Knee Replacement, Canadian College of Physicians Montreal, Sept. 12--13, 1995.
4. Fitzgerald RH: The Diagnosis and Management of Established Infections of Total Hip Arthroplasty. Critical Clinical Issues in the Care of the Elderly; Geriatrics and Oral Health, Ann Arbor, MI, Sept. 22, 1995.
5. Fitzgerald RH: The Result of Cemented Femoral Stem in a Hybrid or Cemented Total Hip Arthroplasty (Fourth Generation Cemented THA). International Symposium on Hip and Knee Arthroplasty, Seoul, Korea, Nov. 6--12, 1995.
6. Fitzgerald RH: Acetabular Reconstruction in Revision Total Hip Arthroplasty. International Symposium on Hip and Knee Arthroplasty, Seoul, Korea, Nov. 6--12, 1995.
7. Fitzgerald RH: The New Aspect of the Diagnosis and Treatment of the Infected Total Hip Arthroplasty. International Symposium on Hip and Knee Arthroplasty, Seoul, Korea, Nov. 6--12, 1995.
8. Fitzgerald RH: Contemporary Techniques of Diagnosis and Treatment of Infected Arthroplasty. Idaho Orthopaedic Society Meeting, Boise, ID, Nov. 30--Dec. 2, 1995.
9. Fitzgerald RH: Acetabular Labrum Tears--Open and Arthroscopic

- Treatment. Idaho Orthopaedic Society Meeting, Boise, ID, Nov. 30--Dec. 2, 1995.
10. Fitzgerald RH: Prevention of Thromboembolic Disease in Orthopaedic Surgery. Northeast Florida Orthopaedic Association, Orlando, FL, Jan. 18--21, 1996.
  11. Fitzgerald RH: Post-Op Complications following Total Joint Replacement, Orlando Regional Medical Center--Grand Rounds, Orlando, FL, Jan. 18--21, 1996.
  12. Fitzgerald RH: Staphylococcus aureus infection upon T-cell immunity in experimental acute hematogenous osteomyelitis. Arthritic Conditions of the Hip. American Academy of Orthopaedic Surgery, Atlanta, GA, Feb. 19--26, 1996.
  13. Fitzgerald RH: Post discharge prevention of deep vein thrombosis following total Joint Replacement. American Academy of Orthopaedic Surgery, Atlanta, GA, Feb. 19--26, 1996.
  14. Fitzgerald RH: Pre-Operative Evaluation of the Patient with Total Hip Arthroplasty. American Academy of Orthopaedic Surgery, Atlanta, GA, Feb. 19--26, 1996.
  15. Fitzgerald RH: Management of the Patient with Infected Total Hip Arthroplasty. American Academy of Orthopaedic Surgery, Atlanta, GA, February 19--26, 1996.
  16. Fitzgerald RH: Grand Proposals and Peer Review for NIH Part II. Orthopaedic Research Society, Atlanta, GA, February 19--26, 1996.
  17. Fitzgerald RH, Wooley PH, Chada HS, Waiter P: Current Concepts in the Diagnosis and Treatment of Osteomyelitis. 17th Annual Trauma & Sports Medicine Seminars, Snowmass, CO, Mar. 16--21, 1996.
  18. Fitzgerald RH, Wooley PH, Chada HS, Waiter P: Pulmonary Embolization During Revision Total Hip Arthroplasty. 17th Annual Trauma & Sports Medicine Seminars, Snowmass, CO, Mar. 16--21, 1996.
  19. Fitzgerald RH: Acetabular Labrum Tears. Fifth Annual Orthopaedic Resident and Alumni Day. Milwaukee, WI, June 22, 1996.
  20. Fitzgerald RH: Prevention, Diagnosis and Treatment of Infections of Total Hip Arthrop Fifth Annual Orthopaedic Resident and Alumni Day. Milwaukee, WI, June 22, 1996.

## **Publications**

### **Peer Review**

1. Fitzgerald RH, Jr: Acetabular Labrum Tears: Diagnosis and Treatment. *Clin Orthop Relat Res* 311:60--68, 1995.
2. Chada H, Wooley PH, Sud S, and Fitzgerald RH, Jr: Cellular Proliferation and Cytokine Responses to Polymethylmethacrylate Particles in Cemented Total Joint Arthroplasty. *Inflammatory Res* 44:145--151, 1995.
3. Woo R, Minster GJ, Fitzgerald RH, Jr, Mason LD, Lucas DR, and Smith FE: Pulmonary Fat Embolism in Revision Hip Arthroplasty. *Clin Orthop Relat Res* 319:41--53, 1995.

### **Other**

1. Fitzgerald RH, Jr, Randall K, and Brown WJ: Treatment of the Infected Total Hip Arthroplasty: Indirect Exchange Arthroplasty, 1995.

2. Fitzgerald RH, Jr: Diagnosis and Management of Established Infections of Total Hip Arthroplasty. *J Am Acad of Orthop Surg* 3(5):249--262, 1995.
  3. Fitzgerald RH, Jr, Callaghan JJ, Colwell CW, Jr, and Skinner HB: The National Hip Registry: A New Resource for Measuring and Improving the Quality of Health Care. *Contemp Orthop* 31:127--138, 1995.
  4. Patzakis MJ, Fitzgerald RH, Jr, Hanssen AD, and Vince K: Management of Infections in Total Joint Replacements. *Contemp Orthop* 31:193--206, 1995.
  5. Fitzgerald RH, Jr, and Davis L: Radionuclide Imaging. Orthopaedic Knowledge Update American Academy of Orthopaedic Surgeons, 1996.
  6. Fitzgerald RH, Jr: The Incidence of Thromboembolic Disease Following Adult Reconstructive Surgery. *Orthopaedics* 1996.
  7. Fitzgerald RH, Jr: Venous Thromboembolism following Total Knee Arthroplasty. *Contemp Orthop* 1996.
  8. McDonald FD, Morowa L, Teitge RA, Ransom SB, and Fitzgerald RH: ost Physician-Developed Clinical Pathways: The Path to Success. *Semin Arthroplasty* 7:262--275, 1996.
  9. Mott M, Kronick JL, Georgiadis GM, Morawa LW, Salot W, Fitzgerald Jr: Gamma Nail versus the Sliding Hip Screw: A Prospective Randomized Comparison. (Accepted by *Clin Orthop and Relat Res*)
  10. Hanssen AD, Fitzgerald RH, Jr, and Osmon DR: Management of the Infected Total Hip Arthroplasty In *Joint Replacement Arthroplasty*. B.F. Morrey (ed). Churchill Livingstone, 1995.
  11. The Best Doctors in America: Northeast Region, 1996.
- 

## **Jonathan P. Garino, M.D.**

### **Presentations**

1. Garino JP, Lotke PA, Kitziger KJ, Steinberg ME: Compression Ultrasonography in the Diagnosis of Deep Venous Thrombosis Following Total Joint Arthroplasty: A Highly Technique and Operator Dependent Test. Presented at the 62nd annual meeting of the AAOS, Orlando, FL, Feb. 16--21, 1995.
2. Garino JP, Lotke PA, Sapega AA, Reilly PJ, Esterhai JL: Femoral Condyle Osteonecrosis Diagnosed Following Laser Assisted Arthroscopic Interventions. Presented at the 62nd annual meeting of the AAOS, Orlando, FL, Feb. 16--21, 1995.
3. Marcolongo M, Ducheyne P, and Garino JP: Interfacial Bone Strength Between Bioactive Glass Fiber/Polymer Composite and Bone Tissue. Presented at the 21st annual meeting of the Society for Biomaterials, Mar. 18--22, 1995.
4. Garino JP, Rosenwasser MP, Michelsen CB: Long Term Follow-up of Thorough Debridement and Cancellous Bone Grafting of the Femoral Head for Avascular Necrosis. New York Orthopaedic Hospital Alumni Meeting, Apr. 28--29, 1995.
5. Garino JP, Lotke PA, Gonick J: Prospective Study of Early Post-Operative Flexion vs. Splinting in Patients Following Total Knee

- Arthroplasty. AAOS Annual Meeting, Atlanta, GA, Feb. 19--26, 1996.
6. Marcolongo M, Ducheyne P, Garino JP: The "Halo" effect: Surface Reactions of a Bioactive Glass Fiber/Polymeric Composite in Vitro and In Vivo. Accepted for presentation at the 4th International World Congress of the Society of Biomaterials. Toronto, Canada, May 25--30, 1996.
  7. Tan V, Winiarsky RA, Garino JP: Synovial Cyst of the Hip: A Case Report and Review of the Literature. *JBJS* (Submitted for Publication.)
  8. Marcolongo M, Ducheyne P, Garino JP: Bioactive Glass Fiber/Polymeric Composite Bond to Bone Tissue. Submitted to the Journal of Biomedical Materials Research.

## **Publications**

### **Peer Review**

1. Garino JP, Lotke PA, Sapega AA, Reilly PJ, Esterhai JL: Osteonecrosis of the Knee Following Laser Assisted Arthroscopic Surgery: A Report of Six Cases. *Arthroscopy* 11:467--474, 1995.
2. Garino JP, Steinberg ME, Hartman K: Compression Ultrasonography in the Diagnosis of Deep Vein Thrombosis Following Total Joint Arthroplasty: The Importance of Technician Experience. *J Bone Jt Surg* 78A:1359--1365.
3. Weiss SJ, Cheung AT, Stecker MM, Garino JP, Hughes JE, Murphy FL: Fatal Paradoxical Cerebral Embolization During Bilateral Knee Arthroplasty. *Anesthesia* 84:721--3, 1996.
4. Glaser DJ, Garino JP: Dissociation of the Femoral Component-Cement Interface After Attempted Closed reduction of a Total Hip Replacement: A complication of Impaction grafting and the Use of a Collarless polished Tapered Stem: A Case Report. *J Arthroplasty*.

---

## **R. Bruce Heppenstall, M.D.**

### **Presentations**

1. Evaluation and Management of Compartment Syndromes. Grand Rounds, Brown University, Providence, RI, Jan. 10--11, 1995.
2. New Concepts in Compartment Syndromes. University of Pennsylvania Orthopaedic Seminar, 16th Annual Meeting, Snowmass, CO, Mar. 11--18, 1995.
3. Operative Treatment for Failed Electricity and/or Bone Graft Surgery for Nonunion of the Tibia. University of Pennsylvania Orthopaedic Seminar, 16th Annual Meeting, Snowmass, CO, Mar. 11--18, 1995.
4. Evaluation and Treatment of Nonunion of the Clavicle. South African Sports Medicine Annual Meeting, Sun City, South Africa, June 18--21, 1995.
5. Operative Management of Nonunion Tibia. 20th Century Orthopaedic Club, Montebello, Quebec, Canada, Aug. 17--20, 1995.
6. Management of Peri-Prosthetic Fractures-Hip. 7th Annual LSU Trauma Management Workshop, Santa Fe, NM, Nov. 2--4, 1995.

7. New Concepts in Compartment Syndromes. 7th Annual LSU Trauma Management Workshop, Santa Fe, NM, Nov. 2--4, 1995.

## **Publications**

### **Peer Review**

1. Brighton CG, Shaman P, Heppenstall RB, Esterhai JL, Pollack SR, FriedenberG ZB: Tibial Nonunion Treated with Direct Current Capacitive Coupling and Bone Graft. *CORR* 321:223--234, 1995.
- 

## **Joseph P. Iannotti, M.D., Ph.D.**

### **Presentations**

1. MR Imaging of the Shoulder. 6th International Congress on Surgery of the Shoulder. Helsinki, Finland, June 28, 1995.
2. MR Imaging of the Shoulder. Clinical Impact. 6th International Congress on Surgery of the Shoulder. Helsinki, Finland, June 28, 1995.
3. A Prospective Outcome Study Comparing Humeral Head Replacement vs Total Shoulder Replacement For Primary Glenohumeral Osteoarthritis, 6th International Congress on Surgery of the Shoulder, Helsinki, Finland, June 28, 1995.
4. Synovial Fluid Crystals and Inflammatory Mediators in the Pathogenesis of Rotator Cuff Disease and Glenohumeral Arthritis, 6th International Congress on Surgery of the Shoulder, June 29, 1995.
5. Proximal Humerus Fractures: A Biomechanical Investigation of Fixation Techniques, 6th International Congress on Surgery of the Shoulder, June 30, 1995.
6. Kinematics of the Normal and Prosthetically Reconstructed Glenohumeral Joint, 6th International Congress on Surgery of the Shoulder, June 30, 1995.
7. Management of Deltoid Detachment after Rotator Cuff Repair. American Orthopaedic Association, Colorado Springs, CO, June 11, 1996.
8. Design Rationale for Modular Prosthetic Components of Shoulder Arthroplasty. Interlaken Switzerland, Jan. 19, 1995.
9. Clinical Results of Total Shoulder Arthroplasty for Treatment of Osteoarthritis. Interlaken, Switzerland, Jan. 20, 1995.
10. Biomechanics of the Shoulder: Effect on Prosthetic Design and Total Shoulder Arthroplasty Firbourg, Switzerland, Jan. 23, 1995.
11. Rotator Cuff Failure. Pathogenesis and Clinical Significance. AAOS Symposium, Orlando, FL, Feb. 1995.
12. Biomechanics and Articular Geometry of the Glenohumeral Joint AAOS Shoulder Course, Washington, DC, Apr. 30, 1995.
13. Biomechanical and Anatomic Factors Affecting Prosthetic Design Northwestern University Chicago, IL, May 5, 1995.
14. Controversies in the Evaluation and Management of Rotator Cuff

- Disease, Brigham and Women's Hospital. Boston, MA, May 23, 1995 (Visiting Professor).
15. Controversies in the Evaluation and Management of Rotator Cuff Disease, Yale University, June 9, 1995. (Visiting Professor).
  16. Complications of Rotator Cuff Surgery AAOS Summer Institute, Boston, Sept. 1995.
  17. Total Shoulder Replacement for Rotator Cuff Problems and Fractures, Current Concepts in Shoulder and Elbow Surgery, Tampa, FL, Jan. 1996.
  18. Pathogenesis and Clinical Significance of Rotator Cuff Tears, AAOS Symposium, Annual Meeting, Atlanta, GA, Feb. 1996.
  19. Management of Deltoid Detachment following Rotator Cuff Repair; Open Meeting of the Shoulder and Elbow Society AAOS Atlanta, GA, Feb. 1996.
  20. Biomechanics and Articular Geometry of the Glenohumeral Joint, AAOS Comprehensive Shoulder Course, Dana Point, CA, Mar. 1996.
  21. Outcome of Prosthetic Arthroplasty for Treatment of Osteoarthritis, Bethesda Naval Hospital, May 1996.

## **Publications**

### **Peer Review**

1. Bulman W, Iannotti JP, Glowacki K, Bluit J: The Effect of a Novel Serum Factor on Intracellular Calcium in the Growth Plate Chondrocyte. *J Orthop Res* 13:220--229, 1995.
2. Jobe CM, Iannotti JP: Limits Imposed on Glenohumeral Motion by Joint Geometry. *J Shoulder Elbow Surg* 4:281--285, 1995.
3. Kitay GS, Iannotti JP, Williams GR, Haygood T, Kneeland BJ, Berlin J: Roentgenographic Assessment of Acromial Morphologic Condition in Rotator Cuff Impingement. *J Shoulder Elbow Surg* 4:441--449, 1995.
4. Rovinsky D, Williams GR, Iannotti JP: Autoimmune Arthritis Caused by Candida Septic Arthritis. *J Shoulder Elbow Surg* 4:472--476, 1995.
5. Leggin BG, Newman R, Iannotti JP, Williams GR, Thompson EC: Interater and Interater Reliability of Three Isometric Dynamometers in Assessing Shoulder Strength. *J Shoulder Elbow Surg* 5:18--24, 1996.
6. Iannotti JP, Bernot M, Kelley M, Kuhlman J, Williams GR: Quantitative Analysis of Shoulder Function after Rotator Cuff Repair. Accepted for publication, *J Shoulder Elbow Surg* in press 1996.
7. Williams GR, Rosenthal A, Iannotti JP: MRI of the Rotator Cuff and Glenoid Labrum. Anatomic and Histologic Correlation. *Clin Orthop Relat Res* 330:66--74, 1996.
8. Warner JJP, Iannotti JP: Recognition and Treatment of Iatrogenic Loss of motion Following Posterior Capsulorrhaphy of the Shoulder: A report of three cases. *J Bone Jt Surg* 78A:1419--1420, 1996.
9. Bernstein J, Adler L, Blank, Dalsey RM, Williams GR, Iannotti JP: Evaluation of the Neer Classification of Proximal Humeral Fractures with Computerized Tomographic Scans and Plain Radiographs. *J Bone Jt Surg* 78A:1371--1375, 1996.
10. Copley LA, Lisser SP, Williams GR, Iannotti JP: Proximal humeral fracture: A biomechanical investigation of fixation techniques. Accepted *J Shoulder Elbow Surg* 1995.

11. Karduna AR, Williams GR, Williams JL, Iannotti JP: Active and passive glenohumeral joint kinematics for motions in and out of the scapula plane. Accepted *J Orthop Res* 1995.
12. Blazer P, Williams GR, Iannotti JP: Spontaneous Rupture of the Deltoid: Report of Three Cases. Accepted *J Shoulder Elbow Surg* 1995.
13. Karduna AR, Williams GR, Williams J, Iannotti JP: Kinematics of the Normal and Prosthetically Reconstructed Glenohumeral Joint: An Active and Passive Cadaver Model. Accepted *J Bone Jt Surg* 1996.
14. Karduna AR, Williams GR, Williams J, Iannotti JP: Glenoid Component Strain: The Effect of Glenohumeral Constraint. Accepted *J Biomech Eng* 1996.
15. Karduna AR, Williams GR, Williams J, Iannotti JP: The Effect of Conformity on Prosthetic Dislocation. Accepted *J Shoulder Elbow Surg* 1996.

## **Other**

1. Iannotti JP: MR Imaging of the Shoulder. *Excerpta Med* 1085:31--40, 1995.
2. Iannotti JP: Functional Outcome of Massive Rotator Cuff Lesions. *Excerpta Med* 1085:353--362, 1995.
3. Norris TR, Iannotti JP: Prospective Evaluation of Factors Affecting Outcome of Shoulder Arthroplasty for Osteoarthritis. *Excerpta Med* 1085:323--334, 1995.
4. Iannotti JP, Williams GR: Total Shoulder Arthroplasty Factors Influencing Prosthetic Sizing. *Tech Orthop* 4:198--202, 1995.
5. Iannotti JP, Ramsey M: Arthroscopic Management of Ganglion Cysts Causing Suprascapular Neuropathy: Report of Three Cases. In Press, *J Arthroscopic Surg*, 1996.
6. Charles S: Neer Award, American Shoulder and Elbow Society, 1996.

---

## **Frederick S. Kaplan, M.D.**

### **Presentations**

1. "Progressive Osseous Heteroplasia: A Distinct Developmental Disorder of Heterotopic Ossification"; Surgeons Beware: How Not To Remove An Extra Skeleton," and "Embryonic Overexpression of the c-Fos Proto-oncogene: A Murine Stem Cell Chimera Applicable to the Study of Heterotopic Chondrogenesis and Osteogenesis." Henry Ford Hospital Bone and Joint Center. Detroit, MI (Mar. 95).
2. "Fibrodysplasia Ossificans Progressiva: The Molecular Basis of An Extra Skeleton." Cardeza Foundation for Hematologic Research; Division of Hematology; Department of Medicine. Jefferson University School of Medicine. Philadelphia, PA (May 1995).
3. "Fibrodysplasia Ossificans Progressiva: Why Some People From Two Skeletons." Departments of Pediatrics, Radiology, and Orthopaedics. Babies Hospital-Columbia Presbyterian Medical Center, New York, NY (June 1995).

4. "Fibrodysplasia Ossificans Progressiva: Morphogens and the Formation of a Heterotopic Skeleton." Oregon Health Sciences University. Portland, OR (Aug 1995).
5. Keynote Address: "Advances in Basic Research in Fibrodysplasia Ossificans Progressiva." IFOPA Meeting, Santa Maria, CA (Aug. 1995).
6. Keynote Address: "Fibrodysplasia Ossificans Progressiva:" The Second International Symposium on Fibrodysplasia Ossificans Progressiva. Philadelphia, PA (Oct. 1995).
7. "Progressiva Osseous Heteroplasia: A District Developmental Disorder of Heterotopic Ossification." The Second International Symposium on Fibrodysplasia Ossificans Progressiva. Philadelphia, PA (Oct. 1995).
8. "Isotretinoin Therapy For the Prevention of Fibrodysplasia Ossificans Progressiva: The Result of A 10-year Prospective Study." The Second International Symposium on Fibrodysplasia Ossificans Progressiva. Philadelphia, PA (Oct. 1995).
9. "Why Do Some People Have Two Skeletons?" Invited Address at Advances in Mineral Metabolism. Snowmass, CO (Mar. 1995).
10. "Progressive Osseous Heteroplasia: A New Genetic Disease in Children," Invited Presentation at the New Jersey Association of Student Councils (Apr. 1996).
11. "The Formation of An Ectopic Skeleton." Invited Lecture of the Pennsylvania Chapter of The Arthritis Foundation. Thomas Jefferson University; Department of Medicine; Division of Rheumatology (May 1995).
12. "Over-expression of Bone Morphogenetic Protein 4 (BMP4) In Patients Who Have Fibrodysplasia Ossificans Progressive." Invited Lecturer at The International Symposium of the Bone Morphogenetic Proteins. The University of Tampere, Tampere, Finland (June 1996).
13. "Over-expression of A Patient Osteogenic Morphogen In Lymphocytes of Patients Who Have Fibrodysplasia Ossificans Progressiva." The Jud Bogard--IFOPA Invitational Meeting. West Newton, MA (June 1996).
14. Keynote Address: "Progress Towards Treatment in Fibrodysplasia Ossificans Progressiva." IFOPA Meeting, Santa Maria, CA (Aug. 1996).
15. "Urinary Basic Fibroblast Growth Factor Is A Maker for Disease Activity in Fibrodysplasia Ossificans Progressiva." The Eleventh Annual Meeting of the Adult Bone and Mineral Working Group of The American Society for Bone and Mineral Research. Seattle, WA (Sept. 1996).

## **Publications**

### **Peer Review**

1. Shore EM, Cook AL, Hahn GV, Kaplan FS, Wozney JM, Wagner MJ, and Wells DE: BMP-1 Sublocalization on Human Chromosome 8. *Clin Orthop Relat Res* 311:199--209, 1995.
2. Haddad G, Haddad JG, and Kaplan FS: Severe Symptomatic Osteopenia In a Man with Pigmented Micronodular Adrenal Hyperplasia. *Clin Orthop Relat Res* 313:220--223, 1995.
3. Janoff HB, Tabas JA, Shore EM, Muenke M, Dalinka MK, Schlesinger S, Zasloff MA, and Kaplan FS: Mild Expression of Fibrodysplasia Ossificans Progressiva. *J Rheumatol* 22:976--978, 1995.
4. Lanchoney TF, Cohen RB, Rocke DM, Zasloff HB, and Kaplan FS:

- Permanent Heterotopic Ossification at the Injection Site After Diphtheria-Tetanus-Pertussis Immunizations in Children Who Have Fibrodysplasia Ossificans Progressiva. *J Pediatr* 126:762--764, 1995.
5. Kaplan FS, O'Conner JP: Topographic Changes In A Heterochromatic Chromosome Block in Humans (15P) During Formation of the Nucleolus. *Chromosome Res* 3:309--314, 1995.
  6. Rosenfeld SR, Kaplan FS: Progressive Osseous Heteroplasia in Male Patients. *Clin Orthop Relat Res* 317:243--245, 1995.
  7. Kelepouris N, Harper K, Gannon F, Kaplan FS, Haddad JG: Severe Osteoporosis in Men. *Ann Intern Med* 123:452--460, 1995.
  8. Kaplan FS, Shore EM: Bone Morphogenetic Proteins and c-Fos: Early Signals in Endochondral Bone Formation. *Bone* 19:S513--S521, 1996.
  9. Berry GT, Baker L, Kaplan FS, and Witzleben CL: Diabetes-like Renal Glomerular Disease in Fanconi-Bickel Syndrome. *Pediatr Nephrol* 9:287--291, 1996.
  10. Luchetti W, Cohen RB, Hahn GV, Rocke DM, Helpin M, Zasloff M, and Kaplan FS: Severe Restriction in Jaw Movement After Route Injection of Local Anesthetic in Patients Who Have Fibrodysplasia Ossificans Progressiva. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 81:21--25, 1996.
  11. Janoff HB, Muenke M, Johnson LO, Rosenberg A, Shore EM, Okereke E, Zasloff M, and Kaplan FS: Fibrodysplasia Ossificans Progressiva in Two Half-Sisters: Evidence for Maternal Mosaicism. *Am J Med Genet* 61:320--324, 1996.
  12. Janoff JB, Zasloff MA, and Kaplan FS: Submandibular Swelling in Patients with Fibrodysplasia Ossificans Progressiva. *Otolaryngol Head Neck Surg* 114:599--604, 1996.
  13. Wallace K, Haddad JG, Gannon FH, Esterhai J, and Kaplan FS: Skeletal Response to Immobilization in Paget's Disease of Bone. *Clin Orthop Relat Res* 328:236--240, 1996.
  14. Kaplan FS, Shore EM, Zasloff MA: Fibrodysplasia Ossificans Progressiva: Searching for the Skeleton Key. *Calcif Tissue Int* 59:75--78, 1996.
  15. Shafritz AB, Shore EM, Gannon FH, Zasloff MA, Taub R, Muenke M, and Kaplan FS: Over-expression of An Osteogenic Morphogen in Fibrodysplasia Ossificans Progressiva. *N Engl J Med* 335:555--561, 1996.

## **Other**

1. Kaplan FS: Skin and Bones. *Arch Dermatol* 132:815--818, 1996.
  2. Class of 1995 Teaching Award for Excellence in Clinical Teaching; International Fibrodysplasia Ossificans Progressiva Association Award for Outstanding and Exemplary Service to the FOP Community and for Supreme Dedication to FOP Research.
  3. Top Doctors in Philadelphia, 1996.
- 
1. Pearl Teaching Award for Outstanding Teaching in Clinical Medicine, 1996.

The Best Doctors in America: Northeast Region, 1996, and The Best

**Paul A. Lotke, M.D.**

**Presentations**

1. Osteonecrosis of the Knee Diagnosed Following laser assisted arthroscopic interventions. AAOS Annual Meeting Scientific Papers, Orlando, FL, Feb. 1995.
2. Compression ultrasonography in the Diagnosis of Deep Venous Thrombosis Following Total Joint Arthroplasty: A Highly Technical and Operator Dependent Test. AAOS Annual Meeting Scientific Papers, Orlando, FL, Feb. 1995.
3. Long Term Changes in Bone Density Following Total Knee Replacement. Knee Society Scientific Program, Orlando, FL, Feb. 1995.
4. Comparison of Magnetic Resonance Venography and Contrast Venography in the Diagnosis of Proximal Deep Vein Thrombosis Following Hip and Knee Procedures. AAOS Scientific Program, Atlanta, GA, Feb. 1996.
5. Long Term Evaluation of Total Knee Arthroplasty in Previously Ankylosed or Arthrodesed Knees. Knee Society Scientific Session, Atlanta, GA, Feb. 1996.

**Publications**

**Peer Review**

1. Hirsch HS, Lotke PA, Morrison LD: The posterior cruciate ligament in total knee surgery. *Clin Orthop* 309:64--68, 1995.
2. Garino JP, Lotke PA, Sapega AA, Reilly P, Esterhai JL: Osteonecrosis of the knee following laser assisted arthroscopic surgery. *J Arthroscopic Relat Surg* 11:467--474, 1995.
3. Ecker LM, Lotke PA: Osteonecrosis of the medial part of the tibial plateau. *J Bone Jt Surg* 77A:596--601, 1995.
4. Lotke PA, Palevsky H, Keenan HM, Meranze S, Steinberg ME, Ecker MD, Kelley MA: Equivalence of aspirin and warfarin as prophylaxis for thromboembolic disease after total joint arthroplasty. *Clin Orthop Relat Res* 324:251--258, 1996.
5. Theiss S, Kitziger KJ, Lotke PA, Lotke PS: Component design effecting patellofemoral complications after total knee arthroplasty. *Clin Orthop Relat Res* 326:183--187, 1996.
6. Garino JP, Lotke PA, Kitziger KJ, Steinberg ME: Compression ultrasonography in the diagnosis of deep venous thrombosis following total joint arthroplasty. The importance of technician experience. *J Bone Jt Surg* Sept. 1996.
7. Naranja J, Pagnano MW, Hanssen AD, Lotke PA: Total knee arthroplasty in the previously ankylosed or arthrodesed knee. *Clin Orthop Relat Res* Dec. 1996.

---

**Enyi Okereke, M.D.****Presentations**

1. Sheskier SC, Okereke E, Caruso SA, Merola A, Zipnick RI, Pagliaro A: Anterior drawer test: Using the KT-1000 as an alternative to determine ankle laxity. Proceedings of the First Combined Meeting of the American, British and European Foot and Ankle Surgeons. p. 49, 1995.
2. Campbell JT, Okereke E, Moore RS: Arthroscopic visual field mapping of the talar dome via three different portals. Accepted at the Arthroscopy Association of North America Transactions. Apr. 12, 1996.
3. Vandeborne K, Walter G, Esterhai J, Okereke E, Shaffer M, Elliott M, Tahernia D, Lawson D, Luchetti W: Effects of surgery and cast immobilization on muscle metabolism and function. Submitted at the 13th Annual Meeting of the European Society for Magnetic Resonance in Medicine and Biology. Sept. 15, 1996.

**Publications****Peer Review**

1. Resnick RB, Jahss MH, Choueka J, Kummer F, Hersch JC, Okereke E: Deltoid ligament forces after tibialis posterior tendon rupture: Effects of triple arthrodesis and calcaneal displacement osteotomies. *Foot Ankle Int* 16:14--20, Jan. 1995.
2. Naranja RJ, Monaghan BA, Okereke E, Williams GR: Open medial subtalar dislocation associated with fracture of the posterior process of the talus: A case report. *J Orthop Trauma* 10:142--144, 1996.
3. Janoff HB, Muenke M, Johnson LO, Rosenberg A, Shore EM, Okereke E, Zasloff M, Kaplan FS: Fibrodysplasia Ossificans Progressive in two half-sisters: Evidence of material mosaicism. *Am J Med Genet* 61:320--324, 1996.

**Other**

1. Okereke E: Posterior tibial tendon problems and current management strategies: Area Review. *Bone Jt Dis: Index & Reviews*, Vol. V, No. 2, March, 1996.
2. Campbell J, Okereke E, Moore RS: Arthroscopic Visual Field Mapping of the Talar Dome via Three Different Portals. (Submitted for publication.) *Arthroscopy* 1996.

---

**Matthew Ramsey, M.D.****Presentations**

1. "Displacement Osteotomy with Tension Bank Fixation for Two-Part Proximal
2. "Early Outcome of Short Segment Pedicle Screw Fixation for Thoracolumbar and Lumbar Burst Fractures," (Allardyce, Ramsey, Sokloff, Cotler, Vaccaro). American Academy of Orthopaedic Surgeons, Atlanta, GA, Feb. 22--26, 1996.
3. "Arthroscopic Decompression of a Ganglion Cyst Causing Suprascapular Nerve Compression: A Report of Three Cases," (Ramsey, Iannotti). Pennsylvania Orthopaedic Society Spring Scientific Meeting, Aventura, FL, Apr. 17--20, 1996.

## **Publications**

### **Peer Review**

1. Vaccaro AR, Rizzolo SJ, Allardyce TJ, Ramsey ML, Salvo J, Balderston RA, Cotler JM: Placement of Pedicle Screws in the Thoracic Spine. Part I: Morphometric Analysis of the Thoracic Vertebra: *J Bone Jt Surg* 77-A:1193--1199, Aug. 1995.

---

## **Marvin E. Steinberg, M.D.**

### **Presentations**

1. Steinberg ME: Avascular Necrosis of the Hip: Management and Outcome. Ibid
2. Garino JP, Lotke PA, Kitziger KJ, Steinberg ME: Compression Ultrasonography in the Diagnosis of Deep Venous Thrombosis Following Total Joint Arthroplasty: A Highly Technique and Operator Dependent Test. Presented at the Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando, FL, Feb. 1995.
3. Hirsh HS, Gish M, Kitziger K, Lotke PA, Steinberg ME: Advantages of Staged, Bilateral Total Hip Arthroplasty During a Single Hospital Admission. The Girdlestone Society, Brighton, England, June 14--18, 1995.
4. Garino JP, Steinberg ME: Total Hip Arthroplasty in Patients with Avascular Necrosis of the Femoral Head: A Two to Ten Year Follow-up. Ibid.
5. Steinberg ME, Larcom PG, Strafford B, Corces A, Bands RE, Hosick WB, Hartman KM: 370 Cases of Core Decompression with Bone Grafting for Avascular Necrosis of the Femoral Head. Ibid.
6. Steinberg ME: Early Diagnosis of Osteonecrosis and the Role of MRI. Symposium on Osteonecrosis, Johns Hopkins University School of Medicine. Baltimore, MD, Aug. 1995.
7. Steinberg ME: Etiology, Pathogenesis, Early Diagnosis and Staging of Avascular Necrosis. Annual Meeting Quebec Orthopaedic Society. Quebec, Canada, Sept. 23, 1995.
8. Steinberg ME: The Treatment of Avascular Necrosis. Ibid.
9. Steinberg ME, Larcom P, Corces A, Bands R, Hosick WB, Hartman KM: 370 Cases of Core Decompression with Bone Grafting for Avascular

- Necrosis of the Femoral Head. Annual Meeting of Association Research Circulation Osseous (ARCO). Vienna, Austria, Oct. 5--7, 1995.
10. Guerra JJ, Steinberg ME: Distinguishing Transient Osteoporosis of the Hip from Avascular Necrosis. Annual Meeting of Association Research Circulation Osseous (ARCO). Vienna, Austria, Oct. 5--7, 1995.
  11. Larcom PG, Lotke PA, Steinberg ME, Holland G, Foster S: Comparison of Magnetic Resonance Venography to Contrast Venography in the Diagnosis of Proximal Vein DVT Following Lower Extremity Reconstruction. Annual Open Meeting of the Knee Society, Atlanta, GA, Feb. 25, 1996.
  12. Larcom PG, Lotke PA, Steinberg ME, Holland G, Foster S: Comparison of Magnetic Resonance Venography to Contrast Venography in the Diagnosis of Proximal Vein DVT Following Lower Extremity Reconstruction. 63Rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Atlanta, GA, Feb. 26, 1996.
  13. Steinberg ME, Larcom P, Strafford B, Hosick W, Corces A, Bands R, Hartman KM: 400 Cases of Core Decompression with Bone Grafting for Avascular Necrosis of the Femoral Head. SICOT 96, Amsterdam, The Netherlands, Aug. 1996.
  14. Tan V, Katz M, Greewald S, Steinberg ME: Carry it on the Bad Side. Annual Meeting of A.R.C.O. Fukuoka, Japan, Oct. 1996.
  15. Steinberg ME: Classification and Staging of Osteonecrosis. To be presented at the 12th Annual AOA Symposium: "The Etiology, Diagnosis and Management of Osteonecrosis of the Human Skeleton." Durham, NC, Nov. 7--9, 1996.
  16. Steinberg ME: Treatment of Osteonecrosis by Core Decompression, Bone Grafting and Electrical Stimulation. Ibid.

## **Publications**

### **Peer Review**

1. Steinberg ME, Hayken GD, Steinberg DR: "A Quantitative System of Staging Avascular Necrosis. *J Bone Jt Surg* 77B:34--41, 1995.
2. Steinberg ME: Core Decompression of the Femoral Head: Indications and Results. *Can J Surg* 38(Supplement 1):S18--S24, Feb. 1995.
3. Guerra J, Steinberg ME: "Distinguishing Transient Osteoporosis of the Hip from Avascular Necrosis. (Current Concepts Review). *J Bone Jt Surg* 77A:616--624, 1995.
4. Lotke PA, Palvesky H, Keenan AM, Meranze S, Steinberg ME, Ecker ML, Kelley MA: Aspirin and Warfarin for Thromboembolic Disease After Total Joint Arthroplasty. *Clin Orthop Relat Res* 324:251--258, 1996.
5. Garino JP, Lotke PA, Kitziger KJ, Steinberg ME: Compression Ultrasonography in the Diagnosis of Deep Venous Thrombosis Following Total Joint Arthroplasty: A Highly Technique and Operator Dependent Test. *J Bone Jt Surg* (Accepted for publication).
6. Kowalchuk RM, Corcoran TA, Pollack SR, Steinberg ME: Effects of Etidronate and Oophorectomy on the Zeta Potential of Rat Bone. *Clin Orthop Relat Res* (Accepted for publication).
7. Garino JP, Steinberg ME: Total Hip Arthroplasty in Patients with Avascular Necrosis: A Two to Ten Year Follow-up. *Clin Orthop Relat Res* (Accepted for publication).

8. Larcom PG, Lotke PA, Holland G, Foster S, Steinberg ME: Comparison of Magnetic Resonance Venography to Standard Contrast Venography in the Diagnosis of Deep Venous Thrombosis Following Lower Extremity Joint Surgery. *Clin Orthop Relat Res* (Accepted for Publication Oct. 1996).

## **Other**

1. Steinberg ME, Hayken GD, Steinberg DR: Classification and Treatment of Avascular Necrosis of the Femoral Head. *Orthopaedic Special Edition*. Vol. 1, No. 1. pp. 16--19, McMahon Group, New York, NY, Summer, 1995.
2. Steinberg ME, Hayken GD, Steinberg DR: Sistema Cuantitativo Para La Classification De L Necrosis Avascular. *Cadera*. Vol. 2, No. 2. Mayo--Septiembre 1995. Spanish Translation publication of 1.
3. Steinberg ME: Avascular Necrosis: Diagnosis and Staging. A chapter In: *Hip Surgery: New Materials and Developing*. Sedel L, Cabanela ME (eds). Published by Martin Dunitz, London (Accepted for publication).
4. The Best Doctors in Philadelphia, 1996; the Best Doctors in America: Northeast Region, 1996.

---

## **Edward J. Vresilovic, M.D.**

### **Presentations**

1. The Predictive Value of Provocative Sacro-Iliac Joint Stress Maneuvers in finding Sacro-Iliac Joint Syndrome. N. Am. Spine Soc., Washington, DC, Oct. 12, 1995.
2. The Role of Radionuclide Photon Emission Tomography (SPCT) Imaging in the Diagnosis of Sacro-Iliac Joint Syndrome. Am. Acad. of Phys. Med. & Rehab. 57th Annual Assembly, Orlando, FL, Nov. 16, 1995.
3. The Role of Provocative Stress Maneuvers in Determining Sacro-Iliac Joint Syndrome. Am. Acad. of Phys. Med. & Rehab. 57th Annual Assembly, Orlando, FL, Nov. 16, 1995.
4. Does History and Physical Examination Diagnose Sacro-Iliac Joint Syndrome: A Prospective Evaluation. Am. Acad. of Phys. Med. & Rehab. 57th Annual Assembly, Orlando, FL, Nov. 16, 1995.

---

## **Gerald R. Williams, M.D.**

### **Presentations**

1. Rhoad RC, Williams GR, Klimkiewicz JJ, Udupa JK, and Iannotti JP: MRI and 3D Viewnix: A Non-Invasive Technique for Studying Glenohumeral Kinematics. Orthopaedic Research Society 42nd Annual Meeting, Atlanta, GA, Feb. 1996.
2. Campbell JT, Moore RS, Iannotti JP, Norris TR, Williams GR:

- Periprosthetic Humeral Fractures: Mechanisms of Fracture and Treatment Options American Academy of Orthopaedic Surgeons, Atlanta, GA, Feb. 22--26, 1996.
3. Bernstein J, Adler LM, Blank J, Dalsey RM, Williams GR, and Iannotti JP: Evaluation of the Neer Classification of Proximal Humeral Fractures with Computerized Tomographic Scans and Plain Radiographs. American Academy of Orthopaedic Surgeons, Atlanta, GA, Feb. 22--26, 1996.
  4. Sher JS, Williams GR, Iannotti JP, Kneeland RB, Herzog RJ, and Patel N: Magnetic Resonance Imaging of the Shoulder: Clinical Impact. American Academy of Orthopaedic Surgeons, Atlanta, GA, Feb. 22--26, 1996.
  5. Blazer PE, Iannotti JP, and Williams GR: Anteroposterior Instability of the Clavicle After Distal Clavicle Resection. American Shoulder and Elbow Surgeons Open Meeting, Atlanta, GA, Feb. 25, 1996.
  6. Campbell JT, Moore SR, Iannotti JP, Norris TR, and Williams GR: Peri-Prosthetic Humeral Fractures-Mechanisms of Fracture and Treatment Options. American Shoulder and Elbow Surgeons Open Meeting, Atlanta, GA, Feb. 25, 1996--recipient Charles S. Neer Award.
  7. Sher JS, Warner JJP, Groff Y, Williams GR, and Iannotti JP: Treatment of Postoperative Deltoid Origin Disruption. American Shoulder and Elbow Surgeons Open Meeting, Atlanta, GA, Feb. 25, 1996.
  8. Karduna AR, Williams GR, Williams JL, and Iannotti JP: Kinematics of the Glenohumeral Joint Before and After Total Shoulder Arthroplasty: Effects of Component Conformity. Orthopaedic Research Society 42nd Annual Meeting, Atlanta, GA, Feb. 18--22, 1996.
  9. Blazer PE, Iannotti JP, Williams GR: Spontaneous Detachment of the Deltoid Muscle. American Academy of Orthopaedic Surgeons, Atlanta, GA, Feb. 22--26, 1996.
  10. Rhoad RC, Williams GR, Kneeland JB, Samarasekera S, Udupa JK, and Iannotti JP. Magnetic Resonance Imaging and 3-D Viewnix: A Non-Invasive Method for Studying Shoulder Kinematics. American Academy of Orthopaedic Surgeons, Atlanta, GA, Feb. 22--26, 1996.
  11. Charnley Era Meeting--Shoulder and Elbow Day, Wrightington Hospital for Joint Disease, June 12, 1996.a). The Biomechanics of the Shoulder Joint and It's Relevance to Arthroplasty Deb). The Humeral Component.

## **Publications**

### **Peer Review**

1. Rockwood CA, Williams GR, Burkhead WZ: Debridement of Degenerative, Irreparable Lesions of the Rotator Cuff. *J Bone Jt Surg* 77A:857--865, 1995.
2. Rovinsky D, Williams GR, Iannotti JP: Autoimmune Arthritis Secondary to Candida Septic Arthritis--Case Presentation and Discussion. *J Shoulder Elbow Surg* 4:472--476, 1995.
3. Kitay GS, Haygood T, Williams GR, Kneeland BF, Berlin J, and Iannotti JP: Acromial Morphology in the Rotator Cuff Impingement Syndrome and its Roentgenograph Analysis. *J Shoulder Elbow Surg* 4(6):441--448, 1995.
4. Williams GR and Rockwood CA: Hemiarthroplasty in Rotator Cuff

- Deficient Shoulder. Accepted for publication. *J Shoulder Elbow Surg* 1995.
5. Iannotti JP, Bernot M, Kelley M, Kuhlman J, and Williams GR: Quantitative Ana of Shoulder Function After Rotator Cuff Repair. Accepted for publication. *J Shoulder Elbow Surg* 1995.
  6. Williams GR, Copley LA, Iannotti JP, and Lisser SP: Proximal Humeral Fracture Biomechanical Investigation of Fixation Techniques. Accepted for publication. *J Shoulder Elbow Surg* 1995.
  7. Leggin BG, Newman R, Thompson EC, Williams GR, and Iannotti JP: Intrarater and Interrater Reliability of Three Isometric Dynamometers Assessing Shoulder Strength. *J Shoulder Elbow Surg* 5(1):18--24, 1996.
  8. Williams GR, Rosenthal A, Iannotti JP: MRI of the Rotator Cuff and Glenoid Labrum Anatomic and Histologic Correlation. Accepted *Clin Orthop* 1996.
  9. Bernstein J, Adler L, Blank J, Delsey RM, Williams GR, and Iannotti JP: Evalu of the Neer Classification of Proximal Humeral Fractures with Computerized Tomograph Scans and Plain Radiographs. *J Bone Jt Surg* 78A:1371--1375, 1996.
  10. Karduna A, Williams GR, Williams JL, Iannotti JP: Glenoid Component Strain: The Effect of Glenohumeral Constraint. Accepted for publication. *J Bioeng* 1996.
  11. Karduna A, Williams GR, Williams JL, Iannotti JP: Glenohumeral Stability After Total Shoulder Arthroplasty in a Cadaver Model. Accepted for publication. *J Shoulder Elbow Surg* 1996.

## Other

1. Iannotti JP, Williams GR, and Lisser SL: Total Shoulder Arthroplasty: Factors Influencing Prosthetic Sizing. *Oper Tech Orthop* 4:198--202, 199.
2. Burkhead WZ, Jr, Burkhart SS, Gerber C, Harryman DT, Morrison DS, Uthoff HK, Williams GR: The Rotator Cuff: Debridement versus Repair-Part 1. *J Contemp Orthop* 31(4):262--272, 1995.
3. Rhoad RC, Williams GR, Klimkiewicz JJ, Udupa JK, and Iannotti JP: MRI and Viewnix: A Non-Invasive Technique for Studying Glenohumeral Kinematics. *Trans Orthop Res Soc* 21(1):234, 1996.
4. Burkhead WZ, Jr, Burkhart SS, Gerber C, Harryman DT II, Morrison DS, Uht HK, Williams GR: The Rotator Cuff: Debridement Versus Repair--Part II. *Contemp Orthop* 31(4):313--326, 1995.
5. Williams GR: Painful Shoulder Following Surgery for Rotator Cuff Disease. Accepted for publication. *J Am Acad Orthop Surg* 1995.
6. Karduna AR, Williams GR, Williams JL, and Iannotti JP: Active and Passive Glenohumeral Joint Kinematics of Motions In and Out of the Scapular Plane. Accepted for publication. *J Orthop Res* 1995.
7. Karduna AR, Williams GR, Williams JL, and Iannotti JP: Kinematics of the Glenohumeral Joint Before and After Total Shoulder Arthroplasty: Effect of Component Conformity. *Trans Orthop Res Soc* 21(2):700, 1996.
8. Naranja RJ, Okereke E, Williams GR: Open Medial Subtalar Dislocation Associated Fractures of the Posterior Process of the Talus: A Case

- Report. J Orthop Tr 10(2):1 144, 1996.
9. The Best Doctors in Philadelphia, 1996.
  10. Charles S. Neer Award, American Shoulder and Elbow Society, 1996.