



Volume 11 Spring 1998
Pages 114-128

Faculty Publications and Presentations
July 1, 1996--June 30, 1997

Joseph Bernstein, M.D.

Presentations

1. "Detection, Prevention and Treatment of Running Injuries." Philadelphia Runner's Club. Nov. 1996.
2. "Collateral Ligament Injuries." University of Pennsylvania, Department of Orthopaedic Surgery Grand Rounds. March 1997.
3. "Safe Strategies for Spring-Time Exercise." Barnes and Noble Health Seminar. March 1997.
4. "The Use of NSAIDs in Orthopaedic Practice." Wyeth-Ayerst Laboratories. April 1997.
5. "Training for Baseball." Center for Community Partnerships. Penn Baseball Clinic. April 1997.
6. "Sports Medicine in Primary Care." Department of Family Practice, Chestnut Hill Hospital Grand Rounds. May 1997.
7. "Arthroscopy for Degenerative Joint Disease." Joint Reconstruction Update, University of Pennsylvania. May 1997.

Publications

1. Bernstein J, Adler L, Blank J, Dalsey R, Williams G, Iannotti J: Evaluation of Neer classification for proximal humeral fractures with CT scans and plain radiographs. *J Bone Jt Surg* 78A:1371--1375, 1996.
2. Bernstein J: Animal rights vs animal research. *J Med Ethics* 22(5):301--303, 1996.
3. Bernstein J: Test indications curves. *Medical Decision Making* 17

Christopher T. Born, M.D.

Presentations

1. "A Simple Technique for Percutaneous Removal of Broken Interlocking Screws." Poster Presentation, Orthopaedic Trauma Association Annual Meeting. Sept. 1996.
2. "A Changing Perspective of Odontoid Fractures: Implications for Evaluation and Management." Orthopaedic Trauma Association Annual Meeting, Boston, MA. Sept. 1996 & Annual Meeting of the Pennsylvania Orthopaedic Society. Nov. 1996.
3. "Cellular Immune Alterations in the Joints of Composite Tissue Allograft Recipients Associated with Mixed Chimerism, GVHD and Tolerance as Analyzed by a Novel 3D Microscope." American Association of the Surgery of Hands Annual Meeting. January 1997.

Publications

1. Born CT, Ross SE, Aron B, DeLong WG, Iannacone WM: Patterns of injury and disability caused by forklift trucks. *J Trauma* 40(4): 1996.
 2. Kottmeier SA, Wilson SC, Born CT, Hanks GA, Iannacone WM, DeLong WG: surgical management of soft tissue lesions associated with pelvic ring injury. *CORR.* 329: 1996.
 3. Ramsamooj R, Llull R, Tatem L, Black K, Lotano V, Dalsey R, Born C, DeLong W, Hewitt C: Graft-versus-host disease in extremity transplantation: Digital image analysis of bone marrow and TGF-B expression in situ using a novel 3-D microscope. *Transplant Proc.* 28(4): 1996.
 4. Blazar PE, Dormans JP, Born CT: Train injuries in children. *J Orthopaedic Trauma* 11(2):126--129.
-

David J. Bozentka, M.D.

Presentations

1. "The Value of EMG/NCV in the Evaluation of Carpal Tunnel Syndrome." 64th Annual Meeting of the AAOS, San Francisco, CA. Feb. 1997.
2. "Evaluation of Tension Applied for External Fixation of Distal Radius Fractures.": 64th Annual Meeting of the AAOS, San Francisco, CA. Feb. 1997.
3. "The Effect of Laminar Flow on Myofibroblasts Derived from Dupuytren's Tissue." 43rd Annual Meeting of the Orthopaedic Research Society. Feb. 1997.

Publications

1. Lehrer MS, Bozentka DJ, Partington MT, Lee BS, Osterman AL:

- Pediatric hand injuries due to exercise bicycles. *J Trauma*. July 1997.
2. Naranja JR, Bozentka DJ, Bora FW: Vascular calcification as a source of hand pain and weakness in a patient with end stage renal failure. *Am J Orthopaed* 26(6): 426--427, 1997.
-

Carl T. Brighton, M.D., Ph.D.

Presentations

1. Treatment of Nonunion with Capacitive Coupling: Basic Research and Clinical Studies, Texas Back Institute for Spine and Biomedical Research, Plano, TX, Oct. 4, 1996.

Publications

1. Hung CT, Allen FD, Pollack SR, Brighton CT: What is the role of the convection current density in the real-time calcium response of cultured bone cells to fluid flow. *J Biomech* 29:1403--1409, 1996.
 2. Brighton CT, Fisher JRS, Jr., Levine SE, Corsetti JR, Reilly T, Landsman AS, Willilams JL, Thibault LE: The biochemical pathway mediating the proliferative response of bone cells to a mechanical stimulus. *J Bone Jt Surg*, 78A:1337--1347, 1996.
 3. Hung CT, Allen FD, Pollack SR, Brighton CT: Intracellular Ca^{2+} stores and extracellular Ca^{2+} are required in the Ca^{2+} response of bone cells Experiencing fluid flow. *J Biomech* 29:1411--1417, 1996.
 4. Allen FD, Hung CT, Pollack SR, Brighton CT: Comparison of the Ca^{2+} response to fluid flow of MC3Tc-E1, ROS 17/2.8, and cultured primary osteoblast-like cells to fluid flow. *J Cell Eng* 1:117--124, 1996.
 5. Reilly TM, Seldes R, Luchetti W, Brighton CT: Similarities in the phenotypic expression of pericytes and bone cells. Accepted, *CORR*, 1996.
 6. Brighton CT, Hunt RM: Early histological and ultrastructural changes in microvessels of periosteal Callus. *J Orthop Trauma* 11:1--11, 1997.
 7. Zhuang H, Wang W, Tahernia D, Levitz CL, Luchetti WT, Brighton CT: Mechanical strain-induced proliferation of osteoblastic cells parallels increased TGF-B1 mRNA. *Biochem Biophys Res Comm* 229:449--453, 1997.
 8. Zhuang H, Wang W, Seldes RM, Tahernia D, Fan H, Brighton CT: Electrical stimulation induces the level of TGF-Ba mRNA in osteoblastic cells by mechanism involving calcium/calmodulin pathway. *Biochem Biophys Res Comm* 237:225--229, 1997.
 9. Wang W, Zhuang H, Levitz CL, Fan H, Seldes R, Tahernia D, Brighton CT: The increased level of PDGF-A contributes to the increased proliferation induced by mechanical stimulation in osteoblastic cells. *Biochem Molec Biol Int* 43:339--346, 1997.
-

Richard S. Davidson, M.D.

Presentations

1. Davidson RS, Weitzel PP, Stanton RP, Betz R. Alburger PD, Dormans

- JP, Drummond DS: Slipped Capital Femoral Epiphysis: A Multicenter Review of the Complications by Treatment Group in 432 Hips. Eastern Orthopaedic Association, 27th Annual Meeting, Hilton Head, SC, Oct. 16--20, 1996.
- Davidson RS, Hahn M: MRI of Talipes Equinovarus Under the Age of Twelve Months. Second International Congress on Clubfeet, Amsterdam, Netherlands, Aug. 16--18, 1996.
 - Davidson RS, Berson L, Dormans J: Growth Disturbances after Distal Tibial Physeal Fractures. American Orthopaedic Foot and Ankle Society, San Francisco, CA, Feb. 16, 1997.
 - Davidson RS, Rhoad RC, Ozdemir S, Heyman S: Pre-Treatment Bone Scan in Slipped Capital Femoral Epiphyses: A Predictor of Ischemia and Avascular Necrosis. Specialty Day at the American Academy of Orthopaedic Surgeons, San Francisco, CA; Feb. 16, 1997.
 - Review of Slipped Capital Femoral Epiphysis; Pediatric Orthopaedic Seminar; Scottish Rite Children's Medical Center; Atlanta, GA, March 21--22, 1997.
 - Slipped Capital Femoral Epiphysis: A Multicenter Review of the Complications by Treatment Group in 432 Hips; Current Trends in Orthopaedic Surgery; Pennsylvania Orthopaedic Society; Charleston, SC, April 16--19, 1997.
 - Davidson RS, Rhoad RC, Dormans J, Ozdemir S, Heyman S: Pre-Treated Bone Scan in SCFE: A Predictor of Ischemia and Avascular Necrosis. POSNA; Banff, Alberta, Canada; May 15, 1997.
 - Davidson RS, Dormans J, Zuidervaart E, Daamen E, Drummond DS: Aneurysmal Bone Cysts in Children. POSNA; Banff, Alberta, Canada; May 17, 1997.
 - The Treatment of Recurrent Infantile Blount's Disease with a Double Tibial Osteotomy and the Ilizarov External Fixator; Co-Presenter: Raymond J, Sullivan MD; American Academy of Orthopaedic Surgeons; San Francisco, CA, Feb. 1997.
 - Davidson RS, Sullivan RJ, Dormans JP, Meyer JS. Differentiation Between Aneurysmal Bone Cysts and Unicameral Bone Cysts Using Magnetic Resonance Imaging. POSNA; Banff, Alberta, Canada; May 1997.

Publications

- Herman MJ, Dormans JP, Davidson RS, Drummond DS, Gregg JR: Screw fixation of grade III slipped capital femoral epiphysis. *Clin Orthop Rel Res.* 1996
- Dormans JP, Magnusson M, Davidson RS : Orthopaedic. In *Pediatric Secrets*. Ed. 2, Hanley and Belfus, Inc., 1997.
- Clubfoot. In *The 5 Minute Pediatric Consult*. Schwartz MW (ed.). Williams & Wilkins, 1997.

William G. DeLong, Jr., M.D.

Presentations

- "A Changing Perspective of Odontoid Fractures: Implications for Evaluation and Management." Orthopaedic Trauma Association Annual

- Meeting, Boston, MA, Sept. 1996.
2. "Orthopaedic and Sports Medicine." Practicing Primary Care Seminar. Cooper Community Health Education Center, Voorhees, NJ, Oct. 1996.
 3. "A Changing Perspective of Odontoid Fractures: Implications for Evaluation and Management." Orthopaedic Trauma Association Annual Orthopaedic Society, Nov. 1996. Meeting, Boston, MA, Sept. 1996 & Annual Meeting of the Pennsylvania
 4. "Cellular Immune Alterations in the Joints of Composite Tissue Allograft Recipients Associated with Mixed Chimerism, GVHD and Tolerance as Analyzed by a Novel 3D Microscope." American Association for the Surgery of Hands Annual Meeting, Jan. 1997.
 5. "Intra-articular Supracondylar Fractures: Plating." Special Day, AAOS, San Francisco, CA, Feb. 1997.
 6. "Supracondylar Femur Fractures." The Third Annual Orthopaedic Symposium: Current Concepts in Orthopaedic Therapeutics. SUNY @ Stony Brook, NY, June 1997.

Publications

1. Born CT, Ross S, Aron B, DeLong WG, Iannacone WM: Patterns of injury and disability caused by forklift trucks. *J Trauma* 40 (4):636--639, 1996.
2. Kottmeier SA, Wilson SC, Born CT, Hanks GA, Iannacone W M, DeLong WG: Surgical management of soft tissue sessions associated with pelvic ring injury. *CORR* No. 329, 1996.
3. Ramsamooj R, Llull R, Tatem L, Black K, Lotano V, Dalsey R, Born CT, DeLong WG, Hewitt C: Graft-versus-host disease in extremity transplantation: Digital image analysis of bone marrow and TGF-B expression in situ using a novel 3-D microscope. *Transplant Proc* 28 (4):2029--2031, 1996.
4. Tatem L, Srulevich M, DeMorat G, Englesbe M, Hirpara S, Dalsey R, DeLong WG, Hewitt C: The role of in situ IL-2r and TGF-B expression in tolerant vascularized bone marrow (limb) transplant (VBMT) chimeras. *Cell Transplant* 5 (5S-2): 65, 1996.
5. Tatem LD, Hirpara S, Dalsey RM, Iannacone WM, DeLong WG, Hewitt CW: The role of in situ IL-2r and TGF-B expression in tolerant vascularized bone marrow (Limb) transplant (VBMT) chimeras. *Transplant Proc* Dec., 1996.

John P. Dormans, M.D.

Presentations

1. Dormans JP: "Pediatric Orthopaedic Infections," "Pediatric Orthopaedic Tumors," & "Pediatric Cervical Spine." Osler Institute Orthopaedic Review Course, Chicago, IL, July 17, 1996.
2. Dormans JP: "The Pediatric Spine." The Children's Hospital of Philadelphia Pediatric Review Course, The Children's Hospital of Philadelphia, Sept. 9, 1996.
3. Dormans JP: "Orthopaedic Options." Panel presentation---Selection of options for management of spasticity, orthopaedic options. Seventh Annual Children's Seashore House advances in developmental

disabilities conference: Advances in the treatment of developmental disabilities. October 3, 1996.

4. Dormans JP: "The Pediatric Cervical Spine: Recent progress from The Childrens Hospital of Philadelphia." Given for the American Orthopaedic Association North American Traveling Fellows visit to The University of Pennsylvania, Oct. 11, 1996.
5. Dormans JP: "Approaching the Adolescent with Scoliosis. New Approaches to Pediatric Surgical Subspecialty Care: A Course for Pediatricians and Family Practitioners." The Children's Hospital of Philadelphia, Oct. 12, 1996.
6. Dormans JP: Moderator, "Introduction to Orthopaedic Surgery in the Developing World", as part of Instructional Course 132, "Orthopaedic Surgery in the Developing World." The American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, Feb. 13, 1997.
7. Dormans JP, Sullivan RJ, Davidson RS, Meyer JS: "Differentiation Between Aneurismal Bone Cysts and Unicameral Bone Cysts Using Magnetic Resonance Imaging." Poster presentation, The Eastern Orthopaedic Association Annual Meeting, Hilton Head, SC, Oct. 16--20, 1996.
8. Dormans JP, Harrer MF, Stanton RP, Davidson RS: "Diaphyseal Unicameral Bone Cysts in Children." Presented at The Eastern Orthopaedic Association Annual Meeting, Hilton Head, SC, Oct. 18, 1996.
9. Dormans JP, Blazer P, Partington M: "Van Nes Rotationplasty and Replantation for Traumatic Above the Knee Amputation in a Child." Poster presentation at The Eastern Orthopaedic Association Annual Meeting, Hilton Head, SC, Oct. 16--20, 1996.
10. Beredjiklian PK, Drummond DS, Dormans JP, Davidson RS: "Orthopaedic Manifestations of Chronic Graft Versus Host Disease." Poster presentation, The Eastern Orthopaedic Association Annual Meeting, Hilton Head, SC, October 16--20, 1996.
11. Davidson RS, Weitzel PP, Stanton RP, Betz R, Alburger PD, Dormans JP, Drummond DS: "Slipped Capital Femoral Epiphysis: A Review of the Treatment and Complications in 432 Hips." Presented at The Eastern Orthopaedic Association Annual Meeting, Hilton Head, SC, Oct. 17, 1996.
12. Dormans JP: "The Pediatric Cervical Spine." Visiting professor, Temple University Orthopaedic Surgery Grand Rounds, Philadelphia, PA, Jan. 11, 1997.
13. Dormans JP: Instructional Course 239, "Orthopaedic Surgery in the Developing World," Moderator and "Introduction to Volunteer Efforts in the Developing World." The American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco CA, Feb.13, 1997.
14. Dormans JP: Instructional Course 239, "Orthopaedic Surgery in the Developing World" "Orthopaedic Surgery in the Second World." The American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, Feb. 13, 1997.
15. Berson L, Davidson RS, Dormans JP: "Growth Disturbance after Distal Tibial Phseal Fractures." Subspecialty Day, American Orthopaedic Foot and Ankle Society, The American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco CA, Feb. 16, 1997.
16. Dormans JP: "Aneurismal Bone Cysts in Children." Presented at An International Symposium of Children with Musculoskeletal Tumors,

Madrid, Spain, March 1997.

17. Dormans JP: "Amputation vs. Limb Salvage for the Child with Extremity Sarcoma," Presented at the Shriner's symposium on the Limb Deficient Child, Dallas, TX, April 1997.
18. Dormans JP: "Musculoskeletal Sarcomas in Children; Presentation and Evaluation," Presented at the Association of Children's Prosthetic and Orthotic Clinics, Dallas TX, April 17, 1997.
19. Dormans JP: "Musculoskeletal sarcomas in children; Limb sparing surgery vs. amputation", Presented at the Association of Children's Prosthetic and Orthotic Clinics, Dallas Texas, April 18, 1997.
20. Dormans JP: "Introduction to scoliosis," Presented at a symposium on scoliosis, St. Christophers Hospital for Children, April 19, 1997.
21. Dormans JP, Daamen E, Zuidervaart E, Davidson RS, Drummond DS: Aneurismal Bone Cysts in Children. Presented at The Pediatric Society of North America, Banff Alberta, Canada, May 17, 1997.
22. Davidson RS, Rhoad RC, Dormans JP, Drummond DS, Ozdemir S, Hyman S: Pre-treatment Bone Scans in Slipped Capital Femoral Epiphysis: A Predictor of Ischemia and Avascular Necrosis. Presented at The Pediatric Society of North America, Banff Alberta, Canada, May 15, 1997.
23. Drummond DS, Tahernia AD, Delfico A, Dormans JP: Congenital Anomalies of the Upper Cervical Spine; Identifying Patients at Risk for Myelopathy. Presented at The Pediatric Society of North America, Banff Alberta, Canada, May 16, 1997.
24. Dormans JP, Sullivan RJ, Davidson RS, Meyer JS: Differentiation Between Aneurismal Bone Cysts and Unicameral Bone Cysts Using Magnetic Resonance Imaging. Poster presentation, Presented at The Pediatric Society of North America, Banff Alberta, Canada, May 16, 1997.
25. Dormans JP, Glaser DL, Stanton RP: Calcaneal Unicameral Bone Cysts; Steroid Injection vs. Bone Grafting. Poster presentation, Presented at The Pediatric Society of North America, Banff Alberta, Canada, May 16, 1997.
26. Dormans JP, Mason K: "The Child with a Cervical Spine Injury." Presented at The National Association of Orthopaedic Nurses, May 19, 1997, Philadelphia PA.
27. Dormans JP, Teti B: "Orthopaedic Aspects and Management of Child Abuse." Presented at The National Association of Orthopaedic Nurses, May 19, 1997, Philadelphia, PA.
28. Hahn GV, Davidson RS, Dormans JP: Pediatric Foot Tumors. Presented at The University of Pennsylvania Orthopaedic Research Day Symposium, April 30, 1997.
29. Rhoad RC, Davidson RS, Dormans JP: Pre-treatment bone scan and SCFE: Diagnosis of ischemia. Presented at The University of Pennsylvania Orthopaedic Research Day Symposium, April 30, 1997.
30. Sawyer JR, Drummond DS, Dormans JP: Injury Patterns in Children and Young Adults who Fall from a Significant Height. Presented at The University of Pennsylvania Orthopaedic Research Day Symposium, April 30, 1997.

Publications

1. Bulman WA, Dormans JP, Ecker M, Drummond DS: Posterior spinal

- fusion for Scoliosis in patients with cerebral palsy: a comparison of luque rod and unit rod instrumentation. *J Pediat Orthop* 16(3): 314--323, May/June, 1996.
2. Hahn M, Dormans JP: Primary bone malignancies in children. *Curr Opin Orthop* 8 (1): 71--74, 1996.
 3. Ecker ML, Dormans JP, Drummond DS, Schwartz D: Efficacy of spinal cord monitoring in scoliosis surgery in patients with cerebral palsy. *J Spin Disord* 9(2):159--164, 1996.
 4. Copley L, Dormans, JP: Benign pediatric tumors of the musculoskeletal system. *Pediat Clin North Am* 43(4):949--966, 1996.
 5. Himmelstein B, Dormans JP: Malignant pediatric tumors of the musculoskeletal system. *Pediat Clin North Am* 43(4):967--984, 1996.
 6. Delfico T, Dormans JP: Intraoperative anaphylaxis due to allergy to latex in children who have cerebral palsy. *Develop Med Child Neurol* 39:194--197, 1996.
 7. Dormans JP: Orthopaedic intervention. In: Kurtz L, Batshaw M, Dorwick PW, Levy S (eds). *The Children's Seashore House Handbook on Developmental Disabilities: An Interdisciplinary Source-book for Professionals*, Aspen publishers, 437--446, 1996.
 8. Dormans JP: Cast problems. (Ch 177) In: Dieckmann R.A., Fiser D.H., Selbst S. (eds.). *Illustrated Textbook of Pediatric Emergency and Critical Care Procedures*, 1st ed. Philadelphia, PA, Mosby, 625--628, 1996.
 9. Dormans JP, Vives M: Wound coverage following hemipelvectomy using a total adductor myocutaneous flap. *Clin Orthop Rel Res* 335:218--223, 1997.
 10. Blazer P, Dormans JP, Born CT: Train injuries in children. *J Orthop Trauma* 11 (2):126--129, 1997.
 11. Katz M, Dormans JP: Recurrent aneurismal bone cyst of the distal phalanx of a child. *Orthopaedics* 20(5): 463--466, 1997.
 12. Brodie JT, Dormans JP, Gregg, JR, Davidson, RS: Accessory soleus muscle. *Clin Orthop Rel Res* 337:180--186, 1997.
 13. Dormans JP, Templeton J, Schreiner MS, Delfice AJ: Intraoperative anaphylaxis due to latex in children: classification and prophylaxis of patients at risk. *J Pediat Orthop* 17(5):622--625, 1997.
 14. Mahboubi S, Dormans JP, D'Angio G: Malignant degeneration of radiation induced osteochondroma. *Skel Radiol* 26:195--198, 1997.
 15. Philips MF, Dormans JP, Drummond DS, Schut L, Sutton LN: Progressive congenital kyphosis: report of 5 cases and review of the literature. *Pediat Neurosurg* 26:130--143, 1997.
 16. Dormans JP, Davidson RS, Magnusson M: Orthopaedics. In Polin RA and Ditmar MF (eds.). *Pediatric Secrets*, 2nd ed. Hanley and Belfus, Inc., 471--490, 1997.
 17. Dormans JP: Osteogenesis imperfecta. In: Schwartz MW (ed.). *Five Minute Pediatric Consult*. Baltimore, MD, Williams & Wilkins, 534--535, 1997.
 18. Dormans JP: Aseptic necrosis of the hip. In: Schwartz MW (ed.). *Five Minute Pediatric Consult*. Baltimore, MD, Williams & Wilkins, 140--141, 1997.
 19. Dormans JP: Perthes disease. In: Schwartz MW (ed.). *Five Minute Pediatric Consult*. Baltimore, MD, Williams & Wilkins, 570--571, 1997.
 20. Dormans JP, Batshaw ML: Muscles, bones and nerves: the bodies

- framework. In: ML Batshaw (ed). Children with Disabilities, 4th ed. Paul H. Brookes, 315--332, 1997.
21. Dormans JP: Amputation considerations in childhood. In: O'Neill J, Rowe M, Grosfeld J, Fonkalsrud E, Coran A (eds.). Pediatric Surgery, 5th ed. Philadelphia, PA, Mosby, 1997.
 22. Dormans JP, Pelligrino L (eds.): The Management of the Child with Cerebral Palsy: A Team Approach. In press. Brooks Publishing Co., 1997.
-

Dennis S. Drummond, M.D.

Presentations

1. Instructional Course Lecture: Neuromuscular Scoliosis. AAOS Annual Mtg., Atlanta GA, 1996.
2. Spine Instrumentation for Deformity. Ottawa, Ont. Canada, 1997.
3. Comparison of Short vs Long Spinal Arthrodesis of Neuromuscular Scoliosis in Duchenne Muscular Dystrophy., Read at the American Academy of Orthopaedic Surgery Annual Meeting, San Francisco, CA, Feb. 1997. %4.
4. Management of Congenital Anomalies of the Pediatric Cervical Spine., Read at the Annual Meeting of the Pediatric Orthopaedic Society of North America, Banf Canada, May, 1997.
5. Biomechanical Properties of Anterior Spinal Spacers in the Treatment of Spinal Deformity. Presented at the Annual Meeting of North American Spine Society. New York, NY, 1997.
6. Total Spine: Advanced Concepts: Faculty., Cancun Mexico, Feb. 1997
7. Management of Neuromuscular Scoliosis: Faculty., Instructional Course Lecture. American Academy of Orthopaedic Surgery, San Francisco, CA, 1997
8. Advanced Topics in Spinal Deformity: Faculty., Miami FL, April 1997.
9. St. Justine Pediatric Review Course: Faculty., Montreal, Quebec, April, 1997

Publications

1. Carrion WV, Drummond DS, Dormans JP, Christoerson M: Circumferential growth plate fractures of the thoracolumbar spine from child abuse. *J Pediatr Orthop* 16:210--214, 1996.
2. Bulman WA, Dormans JP, Ecker ML, Drummonds DS: Posterior spinal fusion for scoliosis in patients with cerebral palsy: a comparison of luque rod and unit rod instrumentation. *J Pediatr Orthop* 16: 314--323, 1996.
3. Drummond DS: Neuromuscular scoliosis: recent concepts. *J Pediatr Orthop* 16:281--283, 1996.
4. Ecker ML, Dormans JP, Schwartz D, Drummond DS: Efficacy of spinal cord monitoring in scoliosis surgery. *J Spinal Disord* 1996.
5. Drummond DS: Pediatric spine instability: diagnosis and treatment. *Semin Spine Surg* 8: 292--309, 1996
6. Cervical spine problems in children. In: Bridwell and DeWauld (eds.). *Textbook of Spinal Surgery*. Philadelphia, PA, J. B. Lippincott, 1996.

7. Paragon instrumentation. In: Ed Bridwell and DeWauld (eds.). *Textbook of Spinal Surgery*. Philadelphia, PA, J. B. Lippincott, 1996.
 8. Wang Drummond et al: Scoliosis in patients treated with recombinant growth hormone. *J Pediatr Orthop* 17: 708--711, 1997.
 9. Drummond DS, et al: Advances in the treatment of neuromuscular scoliosis. *Semin Spine* 9:181--194, 1997
 10. Schwartz DM, Drummond DS, et al: Neurophysiological monitoring during scoliosis surgery: a multimodality approach. *Semin Spine*, 1997.
 11. Phillips MF, Dormans JP, Drummond DS, Schut L, and Sutton LN. Progressive congenital kyphosis. *Pediat Neurosurg* 26: 30--143, 1997.
 12. Beredjikian PK, Drummond DS, et al: Orthopaedic manifestations of graft vs host disease. *J Pediatr Orthop* 1997.
 13. Chapter in *Spinal Instrumentations: Segmental Spinal Instrumentation with Spinous Process Wires*, ed H. An., Williams & Wilkins, 1997.
 14. Chapter in *Pediatric Orthopaedic Pearls. Idiopathic Scoliosis*, ed Lynn Staheli, Hanley Belfus, Philadelphia, 1997.
 15. Chapter and Section Editor in *Neonatal Physiology*, ed Pollin and Fox Grune Stratton Revised, 1997.
-

Malcolm L. Ecker, M.D.

Publications

1. Schwarts, D.M., Drummond, D.S., Ecker, M.L.: Influence of rigid spinal instrumentation on the neurogenic motor evoked potential. *J Spin Disord* 9:439--445, 1996.
 2. Bulman, W.A., Dormans, J.P., Ecker, M.L. and Drummonds, D.S.: Posterior spinal fusion for scoliosis in patients with cerebral palsy: a comparison of luque rod and unit rod instrumentation. *J Pediatr Orthop* 16: 314--323, 1996.
-

John L. Esterhai, Jr., M.D.

Presentations

1. "Antibiotics For Fracture Care." Orthopaedic Trauma Association, Boston, MA, Sept. 1996.
2. "Effect of Cast Immobilization on Muscle Metabolism & Function." Association of Bone & Joint Surgeons, Scottsdale, AZ, May 1997.

Publications

1. Esterhai JL, Sawyer J, Hughes T: Shoulder infections in adults: pathogenesis and diagnosis. *Comp Orthopaed* 11:11--15, 1996.
 2. Chou L, Reynolds M., Esterhai JL: Hazards to the orthopaedic trauma surgeon: Occupational exposure to HIV and viral hepatitis. *J Orthop Trauma* 10(4):289--296, 1996.
-

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

Presentations

1. ADA/AAOS, Chicago, IL, Antibiotic Prophylaxis. July, 23, 1996.
2. SICOT, Amsterdam, Prevention of Thromboembolic Disease Following Total Joint Surgery; Antibodies to implant Bound Proteins are a Frequent Finding in Patients with Aseptic Loosening of the Total Joint Arthroplasty; Tissue Specific and Systemic Cytokine Responses in a Murine Model of Acute Hematogenous Osteomyelitis. Aug. 18, 1996.
3. Current Techniques in Total Joint Arthroplasty, New York, The Treatment of the Infected Orthopaedic Implants. Oct. 24, 1996.
4. UMDNJ, Grand Rounds, New Brunswick, NJ, Calcar Collar Contact: Fact or Fiction ; Microbiology of Musculoskeletal Infection. Nov. 6, 1996.
5. Philadelphia Orthopaedic Society, Gill Lecture, Philadelphia, PA, Dec. 9, 1996.
6. AAOS, Review and Update for Practicing Orthopaedic Surgeons, California, Total Hip Arthroplasty in Patients with Avascular Necrosis of the Femoral Head: A Two to Ten Year Follow-Up. Dec. 12, 1996.
7. AAOS, San Francisco, THA: Collared vs. Collarless; Management of the Infected Total Joint Arthroplasty; Revision Total Hip Arthroplasty; The Application of Multicenter Databases to Study DVT Prevention. Feb. 10, 1997.
8. AAOS, Review and Update for Practicing Orthopaedic Surgeons, California, Total Hip Arthroplasty in Patients with Avascular Necrosis of the Femoral Head: A Two to Ten Year Follow-up. Feb. 10, 1997.
9. University of California San Francisco (Grand Rounds), San Francisco, CA, Diagnosis and Treatment of Infection. March 1, 1997.
10. Korean Orthopaedic Association Annual Spring Meeting, Korea, Prevention and Treatment of Infection Following Total Joint Arthroplasty (R. Fitzgerald). Fourth Generation THA. April 15, 1997.
11. Joint Reconstruction Symposium, Philadelphia, Total Joint Revision. May 17, 1997.

Publications

1. Wooley PH, Nasser S, Fitzgerald RH, Jr.: The immune response to implant materials in humans. *Clin Orthop Rel Res* 326: 63--70, 1996.
2. %Fitzgerald RH, Johnson C, Mason L: Embolic phenomena during revision total hip arthroplasty: diagnosis with transesophageal echocardiography *UP Orthop J* 10: 1997.

John R. Gregg, M.D.

Presentations

1. Gregg JR, Ganley TJ, Shirley P: Pop Warner Football Player and Cheerleader Injuries: Prevention and Treatment. Second World Congress on Sports Trauma, Orlando, FL, June 1996.
2. Ganley TJ, Arnold C, McKernan DJ, Gregg JR, Cooney TE: The Impact of Loading on Deformation about Vertical Meniscal Tears. Eastern

Orthopaedic Association 27th Annual Meeting, Hilton Head, SC, Oct. 1996.

3. Ganley TJ, Gregg JR, Shirley P: Football Injury Videotape. American Academy of Orthopaedic Surgeons Annual Meeting, American Ortho. Society for Sports Medicine Council of Delegates Education Committee, San Francisco, CA, Feb. 1997.
4. Gregg JR, Floros, RC Allograft Reconstruction of the Lateral Collateral Ligament Complex of the Ankle. Pennsylvania Orthopaedic Society Conference, Charleston, SC, April 1997.

Publications

1. Herman MJ, Dormans JP, Davidson RS, Drummond DS, Gregg JR: Screw fixation of grade III slipped capital femoral epiphysis. *Clin Orthop Rel Res* No. 322: 77--85; 1996.
2. Naranja RJ, Gregg JR, Hahn M, Drummond DS, Dormans JP, Davidson RE: Description and significance of the pediatric fracture without radiographic abnormality (FWORA). Presented at the AAOS, Scientific Program, Atlanta, GA, Feb. 1996). *Orthop Trans* 20(1):128, 1996
3. Weitzel PP, Davidson RS, Dormans JP, Stanton RP, Alburger PD, Drummond DS, Gregg JR: Avascular necrosis associated with slipped capital femoral epiphysis. (Presented at the Pediatric Orthopaedic Society of North America, 1995). *Orthop Trans* 20(2):313, 1996.
4. Dormans, JP, Davidson RS, Gregg JR: Accessory soleus muscle, a report of four cases and review of the literature. *Clin Orthop Rel Res* No. 377, 180--186, 1997.
5. Naranja RJ, Gregg JR, Dormans JP, Drummond DS, Davidson RS, Hahn M: Pediatric fracture without radiographic abnormality. *Clin Orthop Rel Res* No. 342, 141--146, 1997.

Jack Flynn, M.D.

Presentations

1. Flynn J, Waters P: Single Bone Fixation to Treat Diaphyseal Both-Bone Forearm Fractures in Children. Presented, The 63rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Atlanta, GA, 1996.
2. Flynn J, Otsuka N, Hresko MT, Emans J, Hall J: Segmental Spinal Dysgenesis: Early Neurologic Deterioration and Treatment. John Hall Symposium, Boston, MA, 1996.

Publications

1. Flynn J, Waters P: Single bone fixation to treat diaphyseal both-bone forearm fractures in children. *J Pediatr Orthop* 16:655--659, 1996.
2. Flynn J, Otsuka N, Hresko MT, Emans J, Hall J. Segmental spinal dysgenesis: early neurologic deterioration and treatment. *J Pediatr Orthop* 17:100--104, 1997.

Theodore J. Ganley, M.D.

Presentations

1. Ganley TJ, Dormans JP: Aggressive Fibromatosis vs. Early Fibrodysplasia Ossificans Progressiva: AI Dupont Institute Pediatric Orthopaedic Meeting, Oct. 1996.
2. Ganley TJ: Pop Warner Football Player and Cheerleading Injuries Update. Council of Delegates. American Orthopaedic Society for Sports Medicine 23rd Annual Meeting, June 22--25, 1997.

Publications

1. Aronowitz E, Ganley TJ, Goode JR, Gregg JR, Meyer JS: ACL Reconstruction in patients with open physes and a bone age of 14 years. *Pediatrics* 100(3): 477, 1997.
-

Jonathan P. Garino, M.D.

Presentations

1. "Autogenous Blood After Total Knee Arthroplasty: Reduction in Non-surgical Complications." 62nd Annual Meeting of the AAOS, San Francisco, CA, Feb. 1997.
2. "Osteonecrosis About the Knee Following Laser Assisted Arthroscopic Interventions." Annual Meeting of the Pennsylvania Orthopaedic Society, Charleston, SC. April 1997.
3. "The Role of FDG-PET in the Diagnosis of Osteomyelitis." Society of Nuclear Medicine Meeting, San Antonio, TX, June 1997.
4. "The Promising Role for FGD-PET Imaging in Suspected Infection of Orthopaedic Prostheses." Society of Nuclear Medicine Meeting, San Antonio, TX, June 1997.

Publications

1. Weiss SJ, Cheung AT, Stecker MM, Garino JP, Hughes JE, Murphy FL: Fatal paradoxical cerebral embolization during bilateral knee arthroplasty. *Anesthesia* 84:721--723, 1996.
 2. Garino JP, Lotke PA, Kitziger KJ: Compression ultrasonography in the diagnosis of deep venous thrombosis following total joint arthroscopy: the importance of technician experience. *J Bone Jt Surg* 78A:1359--1365, 1996.
 3. Garino JP, Lotke PA, Kitziger KJ, Steinberg ME: Deep venous thrombosis after total joint arthroplasty. *J Bone Jt Surg* 78-A(9): 1996.
 4. Garino JP, Steinberg ME, Hartman K: Total hip arthroplasty in patients with avascular necrosis of the femoral head: Two to ten year follow up. *CORR* No. 334: 108--115, 1997.
-

R. Bruce Heppenstall, M.D.

Presentations

1. "Operative Management Fractures About Total Hip and Knee Replacement." National Orthopaedic Residents Conference, Memphis, TN, Aug 1996.
2. "Effect of Managed Care on Orthopaedic Practice in Philadelphia." 20th Century Orthopaedic Association, Annual Meeting, Seven Springs, PA, Aug. 1996.
3. "Acceleration of Fracture Healing with Pulsed Ultrasound." Orthopaedic Trauma Association Annual Meeting, Boston, MA, Sept. 9, 1996.
4. "Acceleration of Fracture Healing and Nonunion with Pulsed Electricity vs Pulsed Ultrasound." International Wound Healing Symposium, Tucson, AZ Oct. 1996.
5. "New Concepts in Compartment Syndrome." Annual Meeting of the AAOS, San Francisco, CA, Feb. 1997.
6. "The Validity of the Schatzker Classification in Tibial Plateau Fractures." 18th Annual Trauma and Sports Medicine Seminar. March 1997.
7. "New Concepts in Compartment Syndrome." University of Alabama. June 1997.

Publications

1. Bernot M, Gupta R, Dobrasg B, Chance B, Heppenstall RB, Sapaega A: The effect of antecedent ischemia on the tolerance of skeletal muscle to increased interstitial pressure. *J Orthop Trauma* 10:555--559, 1996.
2. Adler LM, Heppenstall RB, Esterhai JL: Compartment syndrome in the well leg: A complication of the hemilithotomy position. *Tech Orthop* 1997.
3. Chan PSH, Naranja RJ, High K, Esterhai JL, Heppenstall RB: Treatment of compartment syndrome in patients with altered states of coagulation. *Tech Orthop* June 1997.
4. Heppenstall RB: Compartment syndrome---pathophysiology, diagnosis and treatment. *Tech Orthop* June 1997. %5.
5. Chan PSH, Klimkiewicz JJ, Luchetti WT, Esterhai JL, Kneeland JB, Dalinka MK, Sawyer JR, Heppenstall RB: The impact of CT scan on inter-observer agreement of fracture classification and treatment plan of tibial plateau fractures. *J Orthop Trauma* 11(7): 484--489, 1997.
6. Naranja J, Chan PSH, High K, Esterhai J, Heppenstall RB: Treatment considerations in patients with compartment syndrome and inherited bleeding disorders. *Orthopaedics* 20:706--713, 1997.

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

Presentations

1. "Diagnostic Tests and Imaging Studies for Evaluation of the Painful Shoulder." Shoulder Update-96, Philadelphia, PA, Sept. 1996.
2. "Results after Rotator Cuff Surgery." Shoulder Update-96, Philadelphia, PA, Sept. 1996.
3. "Total Shoulder Arthroplasty." Shoulder Update-96, Philadelphia, PA, Sept. 1996.

4. "Scapulothoracic Disorders." Shoulder Update-96, Philadelphia, PA, Sept. 1996.
5. "Rotator Cuff Disease Strategic Management of the Shoulder." Orthopaedic Learning Center, AAOS, Rosemont, IL, Nov. 1996.
6. "AC Joint Reconstruction Strategic Management of the Shoulder." Orthopaedic Learning Center, AAOS, Rosemont, IL, Nov. 1996.
7. "Diagnosis of Rotator Cuff Pathology: clinical Impact of MRI." Current Concepts of Shoulder and Elbow Surgery, Tampa, FL, Jan. 1997.
8. "Outcome after Rotator Cuff Repair: Clinical Significance and Prognostic Factors." Current Concepts of Shoulder and Elbow Surgery, Tampa, FL, Jan. 1997.
9. "Anatomic and Biomechanical Factors Affecting Prosthetic Reconstruction of the Shoulder." Current Concepts of Shoulder and Elbow Surgery, Tampa, FL, Jan. 1997.
10. "Prosthetic Management of Proximal Humeral Malunions." AAOS Annual Meeting, San Francisco, CA, Feb. 1997.
11. "AC Arthroplasty and Distal Clavicle Osteolysis." AAOS Annual Meeting, San Francisco, CA, Feb. 1997.
12. "Biomechanical and Anatomic Factors Affecting Prosthetic Arthroplasty of the Shoulder." Allegheny University Hospitals, Pittsburgh, PA, March 1997.
13. "Physical Examination of Rotator Cuff Problems: Factors Affecting Treatment." AAOS Comprehensive Shoulder Course, Bal Harbor, FL, April 1997.
14. "Physical Examination of Instability Problems: Factor Affecting Treatment." AAOS Comprehensive Shoulder Course, Bal Harbor, FL, April 1997.
15. "Management of Malunions of the Proximal Humerus." AAOS Comprehensive Shoulder Course, Bal Harbor, FL, April 1997.
16. "Management of Rotator Cuff Tears." AAOS Comprehensive Shoulder Course, Bal Harbor, FL, April 1997.
17. "Management of Difficult Problems of Failed Arthroplasty." AAOS Comprehensive Shoulder Course, Bal Harbor, FL, April 1997.
18. "Management of Clavicle Fractures." AAOS Comprehensive Shoulder Course, Bal Harbor, FL, April 1997.
19. "Management of the Stiff Shoulder." AAOS Comprehensive Shoulder Course, Bal Harbor, FL, April 1997.
20. "Management of Posterior and Multidirectional Instability of the Shoulder." AAOS Comprehensive Shoulder Course, Bal Harbor, FL, April 1997.
21. "Biomechanics of Total Shoulder Replacement." Controversies in Shoulder and Elbow Surgery, London, England April 1997.
22. "Pathogenesis of Rotator Cuff Tears." Controversies in Shoulder and Elbow Surgery, London, England April 1997.
23. "Outcome After Rotator Cuff Repair." Controversies in Shoulder and Elbow Surgery, London, England April 1997.
24. "Surgical Techniques: Shoulder Arthroplasty." Controversies in Shoulder and Elbow Surgery, London, England April 1997.
25. "Arthroscopic and Open Surgical Techniques for Instability." Bethesda Shoulder Course, Bethesda, MD, May 1997.
26. "The Relationship Between Component Conformity and Kinematics

Following Total Shoulder Arthroplasty." AAOS Annual Meeting, San Francisco, CA, Feb. 1997.

Publications

1. Leggin BG, Newman R, Iannotti JP, Williams GR, Thompson EC: Interater and interater reliability of three isometric dynamometers in assessing shoulder strength. *J Should Elbow Surg* 5:18--24, 1996.
2. Iannotti JP, Bernot M, Kelley M, Kuhlman J, Williams GR: Quantitative analysis of shoulder function after rotator cuff repair. *J Should Elbow Surg* 5:449--459, 1996.
3. Williams GR, Rosenthal A, Iannotti JP: MRI of the rotator cuff and glenoid labrum. Anatomic and histologic correlation. *CORR* 330:66--74, 1996.
4. 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.
5. Bernstein J, Adler L, Blank J, 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.
6. Karduna AR, Williams GR, Williams JL, Iannotti JP: Active and passive glenohumeral joint kinematics for motions in and out of the scapula plane. *J Orthop Res* 14:986--993, 1996.
7. Iannotti JP, Ramsey M: Arthroscopic decompression of a ganglion cyst causing suprascapular neuropathy: report of three cases. *J Arthroscop Surg* 12:739--745, 1996.
8. Karas E, Iannotti JP: Evaluation of the painful shoulder after rotator cuff repair. Instructional Course Lecture. *J Bone Jt Surg* 79A:784--793, 1996.
9. Karduna AR, Williams GR, Williams J, Iannotti JP: Glenohumeral joint translations before and after total shoulder arthroplasty. A study in cadavera. *J Bone Jt Surg* 79A:1166--1174, 1997.
10. Williams GR, Copley LA, Iannotti JP, Lisser SP: The influence of intramedullary fixation on figure-of-eight wiring for surgical neck fractures of the proximal humerus: A biomechanical study. *J Should Elbow Surg* 6:423--428, 1997.
11. Sher JS, Iannotti JP, Warner JJP, Williams GR: Post-operative deltoid detachment: Results of surgical reconstruction. *CORR* 343: 93--98, 1997.
12. Iannotti JP, Williams GR, Karduna AR: Factors affecting the design of shoulder prosthetics seminars in arthroplasty. *J Should Elbow Surg* 8:260--267, 1997.

Frederick S. Kaplan, M.D.

Presentations

1. Keynote Address: A Progress Towards Treatment in Fibrodysplasia Ossificans Progressive.: IFOPA Meeting. Santa Maria, CA, Aug. 1996.
2. "Urinary Basic Fibroblast Growth Factor Is A Marker 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.
3. "The Privilege of Listening to the Fibrodysplasia Ossificans Progressiva World." On Receiving the Alliance of Genetic Support Group's Morris J., & Betty Kaplun Foundation Art of Listening Award. Washington, DC, Oct. 1996.
 4. "Fibrodysplasia Ossificans Progressiva" Forming Two Skeletons: Brown University, Providence, RI, Dec. 1996.
 5. "Fibrodysplasia Ossificans Progressiva: From the Clinic to the Lab and Back Again." University of Massachusetts, Worcester, MA, Dec. 96.
 6. Keynote Address: "Why Do Some People Form Two Skeletons?" New York State Genetics Task Force Annual Meeting. Mount Sinai School of Medicine, New York, NY, Dec.1996.
 7. "Research Perspectives on Fibrodysplasia Ossificans Progressiva." European Neuromuscular Center International Symposium on Fibrodysplasia (Myositis) Ossificans Progressiva. Naarden, The Netherlands, Feb. 1997.
 8. "Fibrodysplasia Ossificans Progressiva." The Third International FOP Association Children's Symposium. Orlando, FL, March 1997.
 9. "Fibrodysplasia Ossificans Progressiva. A Disturbance of Skeletal Morphogenesis and Growth." AAOS---National Institutes of Health. Skeletal Morphogenesis and Growth Workshop. Howey-In-The-Hills, FL, May 1997.
 10. "Progressive Osseous Heteroplasia: Searching For A Cure." Invited Presentation at the Annual Meeting of the New Jersey State Association of Student Councils May, 1997.
 11. "Fibrodysplasia Ossificans Progressiva and Spontaneous Regression or Bone Formation?" Invited Lecture at the Alan's Story IFOPA---University of Pennsylvania Wall Street Fundraiser, May 1997.

Publications

1. Luchetti W, Cohen RB, Hahn GV, Rocke DM, Helpin M, Zasloff M, 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.
2. Janoff HB, Muenke M, Johnson LO, Rosenberg A, Shore EM, Okereke E, Zasloff, M, Kaplan FS: Fibrodysplasia ossificans progressiva in two half-sisters: evidence of maternal mosaicism. *Am J Med Genetics* 61:320--324, 1996.
3. Janoff, H.B., Zasloff, M.A., Kaplan, F.S.: Submandibular swelling in patients with fibrodysplasia ossificans progressiva. *Otolaryngol Head Neck Surg* 114:599--604, 1996.
4. Wallace K, Haddad JG, Gannon FH, Esterhai JL, Kaplan FS: Skeletal response to immobilization in Paget's disease of bone. *Clin Orthop Rel Res* 328:236--240, 1996.
5. Shafritz AB, Shore EM, Gannon FH, Zasloff MA, Taub R, Muenke M, Kaplan FS: Over-expression of an osteogenic morphogen in fibrodysplasia ossificans progressiva. *N Engl J Med* 335:555--561, 1996.
6. Nussbaum BL, O'Hara I, Kaplan FS: Fibrodysplasia ossificans progressiva: report of a case with guidelines for pediatric dental and

- anesthetic management. *J Dentist Child* 63:448--450, 1996.
7. Valentine BA, Kaplan FS: Fibrodysplasia ossificans progressiva in cats: a potentially important animal model of the human disease. *Feline Pract* 24:6, 1996.
 8. Kaplan FS: Skin and bones. *Arch Dermatol* 132:815--818, 1996.
 9. Kaplan FS, Shore EM, Zasloff MA: Fibrodysplasia ossificans progressiva: searching for the skeleton key. *Calcif Tissue Int* 59:75--78, 1996.
 10. Gannon FH, Kaplan FS, Olmsted E, Finkel G, Zasloff MA, Shore EM: Bone morphogenetic protein 2/4 in early fibromatous lesions of fibrodysplasia ossificans progressiva. *Hum Pathol* 28:339--343, 1997.
 11. Shore EM, Gannon FH, Kaplan FS: fibrodysplasia ossificans progressiva: why do some people have two skeletons? *J Clin Rheumatol* 3:S84--S89, 1997.
 12. Kaplan FS, Smith RM: Fibrodysplasia ossificans progressiva (clinical vignette). *J Bone Min Res* 12:855, 1997.
 13. Kaplan FS: Memorial tribute to John G. Haddad, Jr., M.D. *J Bone Min Res*. 12:1319--1320, 1997.
-

Jess H. Lonner, M.D.

Presentations

1. "The Value of Intraoperative Frozen Section in Revision Total Knee Arthroplasty." Sixth Fall Meeting of the American Association of Hip and Knee Surgeons, Dallas, TX, Nov. 1996.
2. "The Effect of Keel Design on Tibial Component Stability in Total Knee Arthroplasty." Sixth Fall Meeting of the American Association of Hip and Knee Surgeons, Dallas, TX, Nov. 1996.
3. "The Value of Intraoperative Frozen Section in Revision Total Knee Arthroplasty." Scientific Meeting of the Knee Society, San Francisco, CA, Feb. 1997.
4. "The Effect of Keel Design on Tibial Component Stability in Total Knee Arthroplasty." Scientific Meeting of the Knee Society, San Francisco, CA, Feb. 1997.
5. "The Value of Intraoperative Frozen Section in Revision Total Knee Arthroplasty." 64th Annual Meeting of the AAOS, San Francisco, CA, Feb. 1997.
6. "The Predictive Value of Indium-111 Leukocyte Scans in the Diagnosis of Infected Total Joint Replacements." 64th Annual Meeting of the AAOS, San Francisco, CA, Feb. 1997.
7. "The Predictive Value of Intraoperative Gram Stains in the Diagnosis of Infected Total Joint Replacements at Revision Surgery." 64th Annual Meeting of the AAOS, San Francisco, CA, Feb. 1997.
8. "The Role of Arthroscopy in the Symptomatic Total Knee Arthroplasty." 64th Annual Meeting of the AAOS, San Francisco, CA, Feb. 1997.

Publications

1. Lonner JH, Desai P, Dicesare P, Steiner G, Zuckerman JD: The reliability of analysis of intraoperative frozen section for identifying active infection during revision hip or knee arthroplasty. *J Bone Jt*

Surg 78A:1553--1558, 1996.

2. Lonner JH, Laird M, Stuchin SA: Effect of rotation and knee flexion on radiographic alignment in total knee arthroplasties. *CORR* 331:102--106, 1996.
 3. Lonner JH, Stuchin S: Radial head excision, synovectomy, and anterior capsular release in stage III inflammatory arthritis of the elbow. *J Hand Surg* 22A:279--285, 1997.
-

Paul A. Lotke, M.D.

Presentations

1. "Soft Tissue Balancing in Varus/Valgus in TKA." Contemporary Issues in Total Joint Arthroplasty, Pinehurst. Oct. 1996.
2. "Techniques for Challenging Reconstructions of the Knee." Contemporary Issues in Total Joint Arthroplasty, Pinehurst. Oct. 1996.
3. "The Etiology, Diagnosis, and Management of Osteonecrosis of the Human Skeleton." Duke University Symposia. Nov. 1996.
4. "Osteonecrosis of the medial Tibial Plateau." Duke University Symposia. Nov. 1996.
5. "What To Do If the MCL Is Cut During TKR." Annual Holiday Total Knee Course, New York, NY, Dec. 1996.
6. "Two Stage Exchange for Infected TKR." Annual Holiday Total Knee Course, New York, NY, Dec. 1996.
7. "Use of Continuous Passive Motion with Hyperflexion in the Immediate Postoperative Period After TKR." American Association of Hip/Knee Surgeons. Dallas, TX, Feb. 1997.
8. "Autogenous Blood After Total Knee Arthroplasty: Reduction of Non-surgical Complication." AAOS Annual Meeting, San Francisco, CA, Feb. 1997.
9. "Advantages of Staged Bilateral Total Hip Arthroplasty During Single Hospital Admission." AAOS Annual Meeting, San Francisco, CA, Feb. 1997.
10. Moderator: Instructional Course Lecture: Unicompartmental Arthritis of the Knee, Management of the Infected TKR, Thromboembolic Disease in Orthopaedic Surgery, and Treatment of Avascular Necrosis of the Knees. AAOS Annual Meeting, San Francisco, CA, Feb. 1997.
11. "Management of Thromboembolic Disease." Controversies in clinical Management of Hip and Knee Reconstruction Course, Colorado, March 1997.
12. "Review of Knee Reconstruction." 13th Annual Comprehensive Review Course for Orthopaedic Surgeons. March 1997.
13. "How to Achieve Patellar Balance: Use of Posterior Cruciate Substituting Total Knee Replacement." State of the Art in Hip/Knee Replacement, Banff, Canada, March 1997.
14. Primary TK: How to Obtain Perfect Exposure: Rotation, Alignment and Balance." Co-Chair Course. Complex Knee Problems from Sports Injuries to TKA April 1997.
15. "Perioperative Management After Surgery." Complex Knee Problems from Sports Injuries to TKA April 1997.
16. "Posterior Cruciate Ligament: Save, Sacrifice, or Substitute." Harvard

- Medical School. Total Knee Replacement Course, Cambridge, MA, May 1997.
17. DVT in Total Knee Replacement." Total Knee Replacement Course, Cambridge, MA, May 1997.
 18. "Ligament Balancing Techniques." Current Techniques in Total Joint Arthroplasty, New York, NY, May 1997.
 19. "Patellar Resurfacing." Current Techniques in Total Joint Arthroplasty, New York, NY, May 1997.
 20. "Bone Loss Options." Current Techniques in Total Joint Arthroplasty, New York, NY, May 1997.
 21. "Total Knee Arthroplasty in the Morbidly Obese Patient." AOA, Boca Raton, FL, June 1997.

Publications

1. Garino JP, Lotke PA, Kitziger KJ, Steinberg ME: Deep venous thrombosis after total joint arthroplasty: the role of compression ultrasonography and the importance of the experience of the technician. *J Bone Jt Surg* 78A:1359--1365, 1996.
2. Lotke PA, Palevsky H, Keenan HM, Meranze S, Steinberg ME, Ecker ML, Kelley MA: Equivalence of aspirin and warfarin as prophylaxis for thromboembolic disease after total joint arthroplasty. *CORR* 324:251--258, 1996.
3. Naranja J, Pagnano MW, Hanssen AD, Lotke PA: Total knee arthroplasty in the previously ankylosed or arthrodesed knee. *CORR* 331:234--237, 1996.
4. Theiss S, Kitziger KJ, Lotke PA, Lotke PS: Component design effecting patellofemoral complications after total knee arthroplasty. *CORR* 326:183--187, 1996.
5. Larcom PG, Lotke PA, Steinberg ME, Holland G, Foster S: Magnetic resonance venography compared to contrast venography and diagnosed thrombosis after joint surgery. *CORR* 1996.
6. Klotz M, Lotke PA: Posterior cruciate sacrificing in total knee arthroplasty. *Semin Arthrop* 7:254, 1996.
7. Lotke PA: Controversies associated with thromboembolic disease in total joint arthroplasty patients. *Semin Arthrop* 8:225, 1997.

Enyi Okereke, M.D.

Presentations

1. "Effects of Surgery and Cast Immobilization on Muscle Metabolism and Function." The 13th Annual Meeting of the European Society for Magnetic Resonance in Medicine and Biology. Sept 1996.
2. "Using the KT-1000 as a Method to Determine Ankle Laxity: A Clinical Study in One Hundred Twenty-Seven Patients." AAOS Annual Meeting, San Francisco, CA, Feb. 1997.
3. "Adverse Effects of Cast Immobilization on the Plantar Flexors Following Surgical Treatment of Ankle Fractures." Poster at AAOS Annual Meeting, Feb. 1997.

Publications

1. 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(2):142--144, 1996.
 2. Luchetti W, Esterhai JL, Okereke E, Tahernia D, Schaffer M, Walter G, Elliott M, Lawson D, Vandeborne K: 31-P MR spectroscopy evaluation of the impact of immobilization on the plantar flexors and ORIF of ankle fractures. *Trans Orthop Res Soc* 1997.
-

Matthew L. Ramsey, M.D.

Presentations

1. "Arthroscopic Decompression of Ganglion Cysts Causing Suprascapular Nerve Compression." AAOS, San Francisco, CA, Feb 1997.
2. "A Biomechanical Analysis of the Acromioclavicular Ligament as a Restraint in Resisting Posterior Translation of the Clavicle." AAOS, San Francisco, CA, Feb. 1997.

Publications

1. Iannotti JP, Ramsey ML: Arthroscopic decompression of a ganglion cyst causing suprascapular nerve compression. A case report. *Arthroscopy* 12:739--745, 1996.
 2. Ramsey ML, Fenlin JM: The use of an antibiotic-impregnated spacer block in the revision of an infected shoulder arthroplasty. A case report. *J Shoulder Elbow Surg* 5:479--482, 1996.
-

Eileen M. Shore, Ph.D.

Presentations

1. "Fibrodysplasia Ossificans Progressiva: From Molecular Biology to Patient Advocacy." Bone Disease for the Rheumatologist, Philadelphia, PA, Sept. 1996.
2. "Over-expression of BMP-4 in Fibrodysplasia Ossificans Progressiva." 49th European Neuro-Muscular Center International Workshop: Fibrodysplasia Ossificans Progressiva, Naarden, The Netherlands, Feb. 1997.

Publications

1. Shafritz AB, Shore EM, Gannon FH, Zasloff M, Taub R, Muenke M, Kaplan FS: Over-expression of an osteogenic morphogen in cells from patients who form an ectopic skeleton. *N Engl J Med* 335, 555--561, 1996.
2. Kaplan FS, Shore EM: Bone morphogenetic proteins and c-fos: early signals in endochondral bone formation. *Bone* 19, 13S--21S, 1996.
3. Janoff HB, Muenke M, Johnson LO, Rosenberg A, Shore EM, Okereke E, Zasloff M, Kaplan FS: Fibrodysplasia ossificans progressiva in two half-sisters. Evidence for maternal mosaicism. *Amer J Med Genet* 61,

320--324, 1996.

4. Gannon FH, Kaplan FS, Shore EM, Zasloff M, Epstein FH: Recombinant human bone morphogenetic protein-2 (BMP-2) stimulates a dermal osteogenic wound response in the skate but not in the shark: an early vertebrate clue to the formation of a dermal exoskeleton in children with progressive osseous heteroplasia. *Bull Mount Desert Island Biol Lab* 36, 14--16, 1997.
 5. Gannon FH, Kaplan FS, Olmsted E, Finkel G, Zasloff M, Shore EM: Bone morphogenetic protein 2/4 in early fibromatous lesions of fibrodysplasia ossificans progressiva. *Human Pathol* 28, 339--343, 1997.
 6. Moriatis JM, Gannon FH, Shore EM, Bikler W, Zasloff M, Kaplan FS: Limb swelling in patients who have fibrodysplasia ossificans progressiva. *CORR* 336:247--253, 1997.
 7. Kaplan FS, Shore EM, Connors S, Keough K, Sawyer J, Gannon FH, Rocke D, Zasloff M, Folkman J: Urinary basic fibroblast growth factor: a biochemical marker and potential therapeutic target for pre-osseous fibroproliferative lesions in patients who have fibrodysplasia ossificans progressiva. *Proc Portland Bone Symp* 196--209, 1997.
 8. Shore EM, Gannon FH, Kaplan FS: Fibrodysplasia ossificans progressiva: why do some people have two skeletons? *J Clin Rheumatol* 3, S84--S89, 1997.
 9. Shore EM, Kaplan FS: Fibrodysplasia ossificans progressiva (FOP): the value of studying a rare disorder. *J Drug Inform* 31: 273--277, 1997.
-

Louis J. Soslowsky, Ph.D.

Presentations

1. "Articular cartilage and meniscus structure and function." Basic Science Series for Orthopaedic Residents, Grace Hospital/Detroit Medical Center, Detroit, MI, Sept. 1996.
2. "Tendon and ligament structure and function." Basic Science Series for Orthopaedic Residents, Grace Hospital/Detroit Medical Center, Detroit, MI, Sept. 1996.
3. "Effect of overuse coupled with intrinsic or extrinsic modifications on rotator cuff tendons. 13th Annual Meeting of the American Shoulder and Elbow Surgeons, Amelia Island, FL, Oct. 1996.
4. Soslowsky LJ, Carpenter JE, DeBano CM, Banerji I, Moalli MR: Mechanisms of rotator cuff tendinosis in an animal model. American Academy of Orthopaedic Surgeons, Paper No. 470, 1996.
5. Derwin KA, Soslowsky LJ: Tendon fascicle mechanical properties: A study toward elucidating structure-function relationships in a transgenic model. Transactions of the Orthopaedic Research Society, 21:28, 1997.
6. Flanagan CL, Soslowsky LJ, Carpenter JE, Thomopoulos S, Yian EH: A biomechanical investigation into the effects of overuse coupled with intrinsic or extrinsic modifications on rotator cuff tendons. Advances in Bioengineering, ASME, 33:249--250, 1996.
7. Soslowsky LJ, Carpenter JE, Flanagan CL, Thomopoulos S, Yian EH: Effect of overuse coupled with intrinsic or extrinsic modifications on rotator cuff tendons. American Shoulder and Elbow Surgeons, Paper

- No. 3., 1996.
8. Bey MJ, Elders GJ, Huston LJ, Kuhn JE, Blasier RB, Soslowky LJ: Creation of SLAP lesions in a dynamic, biomechanical model of the shoulder: The role of inferior subluxation. *Transactions of the Orthopaedic Research Society*, 22:166, 1997.
 9. Flanagan CL, Soslowky LJ, Thomopoulos S, Yian EH, Carpenter JE: The effects of overuse coupled with intrinsic or extrinsic modifications on rotator cuff tendons. *Transactions of the Orthopaedic Research Society*, 22:29, 1997.
 10. Thomopoulos S, Carpenter JE, Flanagan CL, Yian EH, DeBano CM, Soslowky LJ: Rotator cuff defect healing: A biomechanic and histologic analysis in an animal model. *Transactions of the Orthopaedic Research Society*, 22:879, 1997.
 11. Derwin KA, Soslowky LJ, Plaas AHK, Kimura JH: Characterization and functional implications of the proteoglycans in tendon fascicles in a structure-function model. 1997 Summer Bioengineering Conference, 35:267--268, 1997.
 12. Thomopoulos S, Carpenter JE, Flanagan CL, Yian EH, DeBano CM, Soslowky LJ: Rotator cuff defect healing: A biomechanic and histologic analysis in an animal model *American Shoulder and Elbow Surgeons*, Paper No. 6, 1997.

Publications

1. Malicky DM, Soslowky L J, Blasier RB: Anterior glenohumeral stabilization factors: progressive effects in a biomechanical model. *J Orthop Res* 14:282--288, 1996.
2. Ticker JB, Bigliani LU, Soslowky LJ, Pawluk RJ, Flatow EL, Mow VC: The inferior glenohumeral ligament: geometric and strain-rate dependent properties. *J Should Elbow Surg* 5:269--279, 1996.
3. Soslowky LJ, An CH, DeBano CM, Carpenter JE: The coracoacromial ligament: in situ load and viscoelastic properties in rotator cuff disease. *Clin Orthop Rel Res* 330:40--44, 1996.
4. Soslowky LJ, Carpenter JE, DeBano CM, Banerji I, Moalli MR: Development and use of an animal model for investigations on rotator cuff endinosis. *J Should Elbow Surg* 5:383--392, 1996
5. Arnoczky SP, Soslowky LJ: Shoulder Anatomy: Form Reflecting Function. In: *Operative Arthroscopy*, J.B. McGinty, R.B. Caspari, R.W. Jackson, G.G. Poehling (eds.) Raven Press, New York, pp. 603--624, 1996.
6. Blasier EB, Soslowky LJ, Malicky DM, Palmer ML: Posterior glenohumeral stabilization factors: progressive effects in a biomechanical model. *J Bone Joint Surg* 79-A:433--440, 1997.
7. Soslowky LJ, Malicky DM, Blasier RB: Inferior glenohumeral stabilization factors: progressive effects in a biomechanical model. *J Should Elbow Surg* 6:371--379, 1997.
8. Soslowky LJ, Carpenter JE, Bucchieri J, Flatow EL: Biomechanics of the rotator cuff. *Orthop Clin North Am* 38: 17--30, 1997.
9. Ateshian GA, Soslowky LJ: Quantitative anatomy of diarthrodial joints. In: *Basic Orthopaedic Biomechanics*, V.C. Mow and W.C. Hayes (eds.) 2nd edition, Raven Press, New York, Chap. 7, 1997:253--273
10. Soslowky LJ, Blasier RB (1997): Section editors for basic science. In: *Orthopaedic Knowledge Update: Shoulder and Elbow*, T. Norris (ed.)

David R. Steinberg, M.D.

Presentations

1. "Classification and Staging of Osteonecrosis." 11th American Orthopaedic Association International Symposium, Duke University Medical Center, Durham, NC, Nov. 1996.
 2. "The Significance of the Three Volar Spaces in Forearm Compartment Syndrome: A Clinical and Cadaveric Correlation." Philadelphia Hand Club Annual Meeting, Philadelphia, PA, June 1997.
-

Marvin E. Steinberg, M.D.

Presentations

1. Cases of Core Decompression with Bone Grafting for Avascular Necrosis of the Femoral Head. SICOT 96, Amsterdam, The Netherlands, Aug. 1996.
2. "Carry It On The Bad Side." Association Research Circulation Osseous (ARCO) 7th International Symposium on circulation in Bone, Fukuoka, Japan, Oct. 1996.
3. "The Etiology, Diagnosis and Management of Osteonecrosis of the Human Skeleton." 12th Annual AOA Symposium, Durham, NC, Nov. 1996.
4. "Treatment of Osteonecrosis by Core Decompression, Bone Grafting and Electrical Stimulation." 12th Annual AOA Symposium, Durham, NC, Nov. 1996.
5. Cases of Core Decompression with Bone Grafting for Avascular Necrosis of the Femoral Head." 66th Annual Meeting of the AAOS, San Francisco, CA, Feb. 1997.
6. "Advantages of Staged Bilateral Total Hip Arthroplasty During a Single Hospital Admission." 66th Annual Meeting of the AAOS, San Francisco, CA, Feb. 1997.
7. "Early Diagnosis, Evaluation and Staging" (also Moderator and Course Coordinator) Instructional Course entitled: Avascular Necrosis: Pathogenesis, Diagnosis and Treatment. AAOS, San Francisco, CA, Feb. 1997.
8. "Natural History of Avascular Necrosis" The Hip: From the Newborn to the Elderly." McGill University 11th Orthopaedic Update Course. Mt. Tremblant, Canada, March 1997.
9. "Evaluation and Staging of Avascular Necrosis." Mt. Tremblant, Canada, March 1997.
10. Cases of Core Decompression with Bone Grafting in Avascular Necrosis." Mt. Tremblant, Canada, March 1997.
11. "Core Decompression for Avascular Necrosis of the Femoral Head." European Federation of National Associations of Orthopaedic and Traumatology (EFORT), Barcelona, Spain, April 1997.
12. "Diagnosis and Staging of Osteonecrosis." Current Concepts in Hip Trauma and Reconstructive Hip Surgery. New York Medical College

- Fifth Annual Symposium, Tarrytown, NY, May 1997.
13. "Total Hip Arthroplasty in Avascular Necrosis." International Hip Meeting, Cannes, France, May 1997).
 14. "Treatment of Core Decompression With and Without Electrical Stimulation." International Hip Meeting, Cannes, France, May 1997).
 15. "Classification of Avascular Necrosis: A Comparative Study. Annual Meeting, Belgian Society of Orthopaedic Surgery and Traumatology, Brussels, Belgium, June 1997).
 16. "Classification of Avascular Necrosis: A Comparative Study." Annual Meeting of the Belgian Society of Orthopaedic Surgery and Traumatology, Brussels, Belgium, June 1997.
 17. "Treatment of Osteonecrosis by Core Decompression, Bone Grafting and Electrical Stimulation." Symposium on Osteonecrosis. Annual Meeting of the AOA, Boca Raton, FL, June 1997.

Publications

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. *J Bone Jt Surg* 78A:1359--1365, 1996.
2. Kowalchuk RM, Corcoran TA, Pollack SR, Steinberg ME: Effects of etidronate and oophorectomy on the zeta potential of rat bone. *CORR*, 328:241--249, 1996.
3. Larcom PG, Lotke PA, Holland G, Foster S, Steinberg M.E: Comparison of magnetic resonance venography to standard contrast venography in the diagnosis of deep venous thrombosis following lower extremity joint surgery. *CORR*, 331:209--215, 1996.
4. Klotz MJ, Steinberg ME: Replacement technique affects incidence of hip dislocation. *J Musculoskel Med* Nov. 1--13, 1996.
5. Garino JP, Steinberg ME: Total Hip Arthroplasty in patients with avascular necrosis of the femoral head: a two to ten year follow up. *CORR*, 334:108--115, 1997.
6. Stulberg BN, Steinberg ME, Wang GJ: Guest editors, symposium: papers from the fifth international symposium on bone circulation. *CORR*, 334:1--130, 1997.
7. Steinberg ME, Larcom P, Strafford B, Hosick WB, Corces A, Bands RE, Hartman K: Treatment of osteonecrosis of the femoral head by core decompression, bone grafting and electrical stimulation. *UPOJ*, 10:24--29, 1997
8. Steinberg ME, Belmar CJ: The role of core decompression in the treatment of avascular necrosis of the femoral head. *Curr Orthop* 11:173--177, 1997.

Edward J. Vresilovic, Jr., M.D.

Publications

1. Slipman CW, Sterenfeld EB, Chou LH, Herzog R, Vresilovic EJ: The value of radionuclide imaging in the diagnosis of sacroiliac joint syndrome. *Spine* 21(19):2251--2254, 1996.
2. Vresilovic EJ, Hozack WJ, Booth RE, Rothman RH: Comparative risk of

early postoperative pulmonary embolism after cemented total knee versus total hip arthroplasty with low-dose warfarin prophylaxis. *Am J Knee Surg* 9(1):2--6, 1996.

3. Vresilovic EJ, Hozack WJ, Rothman RH: Incidence of thigh pain after uncemented total hip arthroplasty as a function of femoral stem size. *J Arthrop* 11(3):304--311, 1996.
 4. Naranja RJ, Vresilovic, EJ: Degenerative spinal instability: clinical and radiographic evaluation. *Semin Spine Surg* 8(4):261--265, 1996.
 5. Chan PSH, Luchetti WT, Campbell JT, Vresilovic EJ: Supracondylar femur fracture above a mature knee fusion treated with a long locked intramedullary rod. *Am J Orthop* 26:630--632, 1997.
-

Gerald R. Williams, M.D.

Presentations

1. "An In-vitro Study of Glenoid Component Keel Strains After Total Shoulder Arthroplasty." American Society of Mechanical Engineers (ASME) Summer Bioengineering Conference, Sun River, OR, June 1997.
2. "A Biomechanical Analysis of the Acromioclavicular Ligament as a Restraint in Resisting Posterior Translation of the Clavicle." Orthopaedic Research Society 43rd Annual Meeting, San Francisco, CA, Feb. 1997.
3. "The Relationship Between Component Conformity and kinematics Following Total Shoulder Arthroplasty." AAOS 64th Annual Meeting, San Francisco, CA, Feb. 1997.
4. "Anatomy of the Scapulothoracic Articulation and Possible Implications Regarding the Superomedial Angle." AAOS 64th Annual Meeting, San Francisco, CA, Feb. 1997.
5. "A Biomechanical Analysis of the Acromioclavicular Ligament as a Restraint in Resisting Posterior Translation of the Clavicle." American Shoulder and Elbow Surgeons 13th Open Meeting, San Francisco, CA, Feb. 1997.
6. "An In-vitro Study of Glenoid Component Keel Strains After Total Shoulder Arthroplasty." ASME Bioengineering Conference, June 1997.

Publications

1. Leggin BG, Newman R, Thompson EC, Williams GR, Iannotti JP: Intrarater and intrarater reliability of three isometric dynamometers in assessing shoulder strength. *J Should Elbow Surg* 5(1):18--24, 1996.
2. Naranja RJ, Okereke E, Williams GR: Open medial subtalar dislocation associated with fractures of the posterior process of the talus: a case report. *J Orthop Trauma* 10(20):142--144, 1996.
3. Williams GR, Rockwood CA: Hemiarthroplasty in rotator cuff deficient shoulder. *J Should Elbow Surg* 5(5):362--367, 1996.
4. Iannotti JP, Bernot M, Kelley M, Kuhlman J, Williams GR: Postoperative assessment of shoulder function: a prospective study of full-thickness rotator cuff tears. *J Should Elbow Surg* 5(6):449--457, 1996.
5. Williams GR, Iannotti JP, Rosenthal A, Kneeland JB, Dalinka MK, Schwaam H: MRI of the rotator cuff and glenoid labrum. Anatomic and

- histologic correlation. *Clin Orthop* 330:66--74, 1996.
6. Bernstein J, Adler L, Blank J, Dalsey R, 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.
 7. Karduna AR, Williams GR, Williams JL, Iannotti JP: Kinematics of the glenohumeral joint: Influence of muscle forces, ligamentous constraints, and articular geometry. *J Orthop Res* 14(6):986--984, 1996.
 8. Williams GR, Copley LA, Iannotti JP, Lissner SP: Proximal humeral fractures: a biomechanical investigation of fixation techniques. *J Shoulder Elbow Surg* 1996.
 9. Williams GR: Painful shoulder following surgery for rotator cuff disease. *J Am Acad Orthop Surg* 5(2):97--108, 1997.
 10. Karduna AR, Williams GR, Williams J, Iannotti JP: Glenoid component strain: the effect of glenohumeral constraint. *J Bioengineer* 1997.
 11. Karduna AR, Williams GR, Williams J, Iannotti JP: Glenohumeral stability after total shoulder arthroplasty in a cadaver model. *J Shoulder Elbow Surg* 1997.
 12. Karduna A, Williams GR, Iannotti JP, Williams J: Glenohumeral joint translations before and after total shoulder arthroplasty: a study in cadaver. *J Bone Jt Surg* 79(8):1166--1174, 1997.
 13. Sher JS, Iannotti JP, Warner JP, Williams GR: Post operative deltoid detachment: results of surgical reconstruction. *CORR* 343:93098, 1997.
 14. Groh GI, Williams GR, Jarman RN, Rockwood CA: Treatment of complications of shoulder arthrodesis. *J Bone Jt Surg* 79A:881--897, 1997.
-

Philip Z. Wirganowicz, M.D.

Presentations

1. Large Segment Endoprosthesis Implanted Following Resection of Tumors: The Etiology and Results of 73 Revision Surgeries in 64 Patients. International Society for Limb Salvage Symposium. New York, NY, Sept. 1997.
2. Large Segment Endoprosthesis Implanted Following Resection of Tumors: The Etiology and Results of 73 Revision Surgeries in 64 Patients. AAOS, San Francisco, CA, Feb. 1997.

Publications

1. Lane JM, Riley E.H, Wirganowicz PZ: Instructional course lectures. The American Academy of Orthopaedic Surgeons, osteoporosis: diagnosis and treatment. *J Bone Jt Surg* 78A:618--632, 1996.
2. Wirganowicz PZ, Lane JM: Postmenopausal osteoporosis: an update for the clinician. *J Musculoskel Med* 13(10):29--38, 1996.
3. Wirganowicz PZ, Watts HG: Surgical risk for elective excision of benign exostoses. *J Pediatr Orthop* 17(4):455--459, 1997.

Wirganowicz PZ, Thomas BJ: Massive osteolysis after ceramic on ceramic

total hip arthroplasty: a case report. *Clin Orthop* 338:100--104, 1997.