

## Faculty Presentations and Publications July 1, 1998—June 30, 1999

### PEDRO K. BEREDJIKLIAN, MD

#### Presentations

- “Acute recurrent elbow instability: Effects of bony and ligamentous reconstruction.” 53<sup>rd</sup> Annual Meeting of the American Society for Surgery of the Hand, Minneapolis, MN, 1998.
- “Radial head prosthesis design and proximal radius morphology: A mismatch.” 53<sup>rd</sup> Annual Meeting of the American Society for Surgery of the Hand, Minneapolis, MN, 1998.
- “Intra and interobserver reliability of sensibility testing in normal subjects” 54<sup>th</sup> Annual Meeting of the American Society for Surgery of the Hand, Minneapolis, MN, 1999.

#### Publications

- Beredjiklian PK, Iannotti JP, Narris RT, Williams GR: Surgical management of proximal humerus fracture malunion. *JBJS*, 80-A:1484–97, 1998.
- Beredjiklian PK, Drummond DS, Dormans JP, Davidson RS, Brock GT, August C: Orthopaedic manifestations of chronic graft-versus-host diseases. *J Pediatr*, 18:572–5, 1998.
- Chan PS, Steinberg DR, Pepe MD, Beredjiklian PK: The significance of the three volar spaces in forearm compartment syndrome: a clinical and cadaveric correlation. *J Hand Surg*, 23-A:1077–81, 1998.
- Katz MA, Beredjiklian PK, Vresilovic EJ, Tahernia AD, Gariel JP, Chan PS, Heppenstall RB: Computerized tomography of cervical spine fractures: does it influence treatment? *J Orthop Trauma*, 13:338–43, 1999.
- Beredjiklian PK, Naranja RJ, Heppenstall RB, Wright DG, Esterhai JL: Results and treatment of one hundred and seventeen patients with femoral shaft fracture nonunion. *UPOJ*, 12:52–6, 1999.

### JOSEPH BERNSTEIN, MD

#### Publications

- Bernstein J: Arthroscopy of osteoarthritis of the knee. *J Musculoskeletal Med*, 15(5):43–7, 1998.
- Bernstein J, Winiarsky R: Osteochondral defects of the knee. *Current Opinion Orthop*, 9(1):35–41, 1998.

- Freedman KB, Glasgow SG, Glasgow MT, Bernstein J: Anterior cruciate ligament injury and reconstruction among university students. *CORR*, 356:208–12, 1998.
- Freedman KB, Bernstein J: The adequacy of medical school education in musculoskeletal medicine. *JBJS*, 80-A:1421–1427, 1998.
- Bernstein J, Grisso JA, Kaplan FS: Body mass and fracture risk: a study of 330 patients. *CORR*, 364:227–30, 1999.

### CHRISTOPHER T. BORN, MD

#### Publications

- Born CT, DeLong WG: Orthopaedic trauma education: visions of the future through the orthopaedic trauma association. *J Orthop Trauma*, 13(8), 1999.
- Born CT, et al: Guidelines for orthopaedic trauma fellowships. *J Orthop Trauma*, 13(8), 1999.
- Born CT, et al: Resident education curriculum for orthopaedic trauma. *J Orthop Trauma*, 13(8), 1999.
- Wei SY, Born CT, Abene AJ, Ong A, Hayda R, DeLong WG: Diaphyseal forearm fractures treated with and without bone graft. *J Trauma*, 46(6), 1999.
- DeLong WG, Petrik M, Ponzio R, Wei S, Born CT: The aggressive treatment of 119 open fracture wounds. *J Trauma*, 46(6), 1999.
- Alvarez JC, DeLong WG, Caracciolo PA, Born CT: Retrograde femoral rodding. *UPOJ*, 12:57–65, 1999.

### DAVID J. BOZENTKA, MD

#### Presentations

- “The use of lidocaine or lidocaine and bupivacaine in open carpal tunnel release surgery: A comparison of duration and quality of postoperative pain” Meeting of the Eastern Orthopedic Association Meeting, Puerto Rico, 1998.
- “The utility of obtaining x-rays in patients with trigger finger.” Residents’ and Fellows’ Meeting, American Society for Surgery of the Hand, Sept 1998.
- “Carpal instability.” Instructional Course, Meeting of the American Association for Hand Surgery, Honolulu, Hawaii, Jan 1999.

**Publications**

- Gupta R, Bozentka DJ, Bora FW, Osterman AL: The effect of shear stress on fibroblasts derived dupuytren's tissue and normal palmar fascia. *J Hand Surg*, 23-A(5): 945–50, 1998.
- Gupta R, Bozentka DJ, Bora FW: The evaluation of tension in an experimental model of external fixation of distal radius fractures. *J Hand Surg*, 24-A(1):108–12, 1999.
- Chan R, Steinberg DR, Bozentka DJ: Consequences of knuckle cracking: a report of two acute injuries. *Amer J Orthop*, 23(2):113–4, 1999.

**RICHARD S. DAVIDSON, MD****Publications**

- Davidson RS, Rhoad RC, Heyman S, Dormans JP, Drummond DS: Pre-treatment bone scan in slipped capital femoral epiphysis: a predictor of ischemia and avascular necrosis. *J Pediatr Orthop*, 19:164–8, 1999.

**WILLIAM G. DELONG, JR., MD****Publications**

- Bernstein J, Monaghan BA, Silber J, DeLong WG: Taxonomy and treatment: a classification of fracture classifications. *JBJS*, 79-B:706–7, 1998.
- Born CT, DeLong WG: Orthopaedic trauma education: visions for the future through the orthopaedic trauma association. *UPOJ*, 11:103–15, 1998.

**JOHN P. DORMANS, MD****Publications**

- Beredjiklian PK, Drummon DS, Dormans JP, Davidson RS, Brock GT, August C: Orthopaedic manifestations of chronic graft-versus-host disease. *J Pediatr*, 18:572–5, 1998.
- Spiegel DA, Meyer JA, Flynn JM, Dormans JP, Drummond DS: Pyomyositis in children and adolescents: report of twelve cases and review of the literature. *J Pediatr Orthop*, 19:143, 1999.
- Rhoad RC, Davidson RS, Heyman S, Dormans JP, Drummond DS: Pre-treatment bone scan in SCFE: a predictor of ischemia and avascular necrosis. *J Pediatr Orthop*, 19:164–8, 1999.
- Spiegel DA, Drummond DS, Cunningham B, Dormans JP, MacAfee P: Augmentation of an anterior solid rod construct with threaded cortical bone dowels: a biomechanical study. *Spine*, 1999.

**DENIS S. DRUMMOND, MD****Publications**

- Beredjiklian PK, Drummon DS, Dormans JP, Davidson RS, Brock GT, August C: Orthopaedic manifestations of chronic graft-versus-host disease. *J Pediatr*, 18:572–5, 1998.
- Spiegel DA, Meyer JA, Flynn JM, Dormans JP, Drummond DS: Pyomyositis in children and adolescents: report of twelve cases and review of the literature. *J Pediatr Orthop*, 19:143, 1999.

**MALCOLM L. ECKER, MD****Publications**

- Ecker ML: Correspondence – adolescent idiopathic scoliosis. Treatment with the Wilmington brace: a comparison of full-time and part-time use. *JBJS*, 80-A:1083, 1998.

**JOHN L. ESTERHAI, JR., MD****Publications**

- Vandenborne K, Elliott M, Walter GA, Abdus S, Okereke E, Shaffer M, Tahernia D, Esterhai JL: Case study: longitudinal study of skeletal muscle adaptations during immobilization and rehabilitation. *Muscle Nerve*, 21:1006–12, 1998.
- Hayda RA, Brighton CT, Esterhai JL: Pathophysiology of delayed union. *CORR*, 355:S31–S41, 1998.
- Moshifar A, Showers D, Logan P, Esterhai JL: Prosthetic options for below the knee amputation status post osteomyelitis and non union of the tibia. *CORR*, 360:110–121, 1999.
- Moshifar A, Showers D, Logan P, Esterhai JL: Orthotic management of patients with post traumatic non union of the tibia complicated by osteomyelitis. *CORR*, 360:106–9, 1999.

**ROBERT H. FITZGERALD, JR., MD****Presentations**

- “Update on DVT prophylaxis following total joint arthroplasty; Fourth generation cemented total hip arthroplasty: Outcome assessment.” Meeting of the Hawaii Orthopaedic Association, Honolulu, Hawaii, 1998.
- “The outcome assessment of 10,000 patients treated with total hip and knee arthroplasty.” Meeting of the International Hip Society, Torquary, South Devon, UK, 1998.
- “Revision joint replacements.” What's New in Joint Reconstruction, Philadelphia, PA, 1998.

- “The academic orthopaedic surgeons and research – Can they co-exist in today’s HMO driven society.” Meeting of the Interurban Orthopaedic Society, Baltimore, MD, 1998.
- “Management of the patient with infected total hip arthroplasty.” University of Cologne, Germany, 1998.
- “Total hip replacement: Three decades of successes and failures in the role of alternate bearings.” Ceramic-Ceramic Symposium, Philadelphia, PA, 1998.
- “Predictors of injury among adult recreational in-line skaters: A multi-city study.” Combined Meeting Orthopaedic Associations, Auckland, New Zealand, 1998.
- “Evaluation of the painful THA.” Instructional Course Lecture, 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “COX 2 inhibitors.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Acetabular labrum pathology.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Revision THA: How to plan and how to remove components.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Management of thromboembolism total hip arthroplasty medical complications.” Baptist Hospital Joint Symposium, Nashville, TN, 1999.
- “Total hip replacement - State of the Union.” Baptist Hospital Joint Symposium, Nashville, TN, 1999.
- “Medical Complications – Total hip arthroplasty.” Baptist Hospital Joint Symposium, Nashville, TN, 1999.
- “Infections associated with implantable orthopaedic devices.” APIC-Association Practitioners for Professionals in Infection Control & Epidemiology, Inc., Jun 1999.

#### Publications

- Fitzgerald RH: Infection. *Orthopaedics*, 1998.
- Seldes R, Grisso JA, Pavell JR, Berlin JA, Tan V, Bowman B, Fitzgerald RH: Predictors in injury from recreational in-line skating: a national study. *Amer J Public Health*, 89:2, 1–4, 1999.
- Chada HS, Fitzgerald RH, Wiater P, Sud S, Nasser S, Wooley PH: Experimental acute hematogenous osteomyelitis in mice I: histopathological immunological findings. *J Orthop Research*, 17:382–91, 1999.
- Yoon KS, Sud S, Song Z, Fitzgerald RH, Wooley PH: Experimental acute hematogenous osteomyelitis II: influence of Staphylococcus aureus upon T-cell immunity. *J Orthop Research*, 17:382–91, 1999.
- Fitzgerald RH, Steinberg ME: Revising the infected total hip: results of treatment. Chapter in Revision Total Hip Arthroplasty, Ed: Steinberg ME, Garino JP, Lippincott-Raven Publishers, Chapter 29, 1999.
- Freedman KB, Hahn GV, Fitzgerald RH: Unusual case of septic arthritis of the hip: spread from adjacent adductor pyomyositis. *J Arthroplasty*, 14(2), 1999.

### JOHN M. FLYNN, MD

#### Presentations

- “Objective evaluation of knee laxity in children.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “The role of CT examination in the management of pediatric pelvic fractures.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Fracture patterns in children and young adults who fall from significant heights.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.

#### Publications

- Flynn JM, Donohoe R, Mackenzie E: An independent assessment of two clubfoot classification systems. *J Pediatr Orthop*, 18:323–7, 1998.
- Flynn JM, Dormans JP: Spine trauma in children. *Sem Spine Surg*, 10:7–16, 1998.
- Ganley T, Flynn JM, Gregg JR: Sports medicine of the adolescent foot and ankle. *Foot & Ankle Clinics*, 3(4): 767–85, 1998.
- Spiegel DA, Meyer JA, Flynn JM, Dormans JP, Drummond DS: Pyomyositis in children and adolescents: report of twelve cases and review of the literature. *J Pediatr Orthop*, 19:143–50, 1999.

### Z. B. FRIEDENBERG, MD

#### Publications

- Friedenber ZB: Musculoskeletal surgery in the 18<sup>th</sup> century America. *CORR*, 1999.

### THEODORE J. GANLEY, MD

#### Presentations

- “Sports Medicine: Backpacks in children.” Videotape for National News Health Feature, Produced by MED-STAR Television, Sept 1998.
- “Osteochondral defect repair: Basic Science.” Meeting of the American Academy of Pediatrics, San Francisco, CA, Oct 1998.
- “The role of CT examination in the management of pediatric pelvic fractures.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Anterior cruciate ligament reconstruction in adolescents with open physes.” Annual Meeting of the Pediatric Orthopaedic surgeons of North American, Orlando, FL, May 1999.

#### Publications

- Ganley TJ, Deruiter CJ, Dormans JP, Collins M, Meyer JS: Ankle pain and swelling in the 10 year old girl. *CORR*, 350:268–75, 1998.

- Ganley TJ, Akbarnia H, Dormans JP, Mahboubi S, Finn LS: Leg pain and swelling in a 14-1/2 year old boy. *CORR*, 352:250–7, 1998.
- Ganley TJ, Spiegel DA, Gregg JR, Flynn JM: Overuse injuries to the physes in young athletes: a clinical and basic science review. *UPOJ*, 2:36–9, 1999.

### JONATHAN P. GARINO, MD

#### Presentations

- “Orthopaedic sequelae in sickle cell anemia.” 26<sup>th</sup> Annual Convention of the Sickle Cell Disease Association of America, Buffalo, NY, Oct 1998.

#### Publications

- Tan V, Winiarsky R, Garino JP: Groin pain with a non-tender mass. *J Musculoskeletal Med*, 33–4, 1998.
- Lotke PA, Barth P, Garino JP, Cooke EF: Predonated autologous blood transfusions after total knee arthroplasty: immediate versus delayed administration. *J Arthroplasty*, 14:1–4, 1999.
- Garino JP, Steinberg ME: Etiology of failure: an overview. In *Revision Total Hip Arthroplasty*, Ed: Steinberg ME, Garino JP, Lippincott-Raven, 1–10, 1998.
- Steinberg ME, Garino JP: Resection arthroplasty. In *Revision Total Hip Arthroplasty*, Ed: Steinberg ME, Garino JP, Lippincott-Raven, 517–25, 1998.
- Garino JP: Total knee arthroplasty: success and failure. In *Revision Total Knee Arthroplasty*, Ed: Lotke PA, Garino JP, Lippincott-Raven, 3–14, 1998.
- Garino JP, Lotke PA: Failures related to axial and rotational malalignments. In *Revision Total Knee Arthroplasty*, Ed: Lotke PA, Garino JP, Lippincott-Raven, 167–76, 1998.
- Garino JP: Ed: In *Revision Total Knee Arthroplasty*, Lippincott-Raven, 269–82, 1998.

### ERNEST J. GENTCHOS, MD

#### Publications

- Gentchos EJ: Isolated peripheral nerve lesions of the brachial plexus affecting the shoulder joint. *UPOJ*, 12: 40–2, 1999.

### JOHN R. GREGG, MD

#### Publications

- Ganley TJ, Flynn JM, Gregg JR: Sports medicine of the adolescent foot and ankle. *Foot & Ankle Clinics*, Vol. III: No. 4:767–785, 1998.

### R. BRUCE HEPPENSTALL, MD

#### Presentations

- “Exogen stimulation of fractures and nonunions.” Annual Meeting of the International Society of Fracture Repair, Strasbourg, France, Aug 1998.
- “Ultrasound treatment of fresh fractures.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Exogen treatment of fractures and nonunions.” Annual University of Pennsylvania Trauma and Sports Medicine Seminar, Snowmass, Colorado, Mar 1999.
- “New concepts in compartment syndromes.” Annual University of Pennsylvania Trauma and Sports Medicine Seminar, Snowmass, Colorado, Mar 1999.

#### Publications

- Katz MA, Beredjikian PK, Vresilovic EJ, Tahernia DA, Gabriel JP, Chan PS, Heppenstall RB: Computed tomographic scanning of cervical spine fractures: does it influence treatment? *J Orthop Trauma*, 13(5):338–43, 1999.

### JOSEPH P. IANNOTTI, MD, PhD

#### Presentations

- “Outcome after rotator cuff repair.” International Conference on Surgery of the Shoulder, Sydney, Australia, Oct 1998.
- “Malunion and nonunions of the proximal humerus.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Complications after total shoulder arthroplasty.” AAOS Comprehensive Shoulder Course, Panama City, FL, Apr 1999.
- “Surgical management of proximal humeral malunions and nonunions.” AAOS Comprehensive Shoulder Course, Panama City, FL, Apr 1999.

#### Publications

- Karduna AR, Williams GR, Williams J, Iannotti JP: Total shoulder arthroplasty biomechanics: a study of the forces and strains at the glenoid component. *J Biomech Eng*, 120:92–9, 1998.
- Rhoad R, Klimkiewicz J, Williams GR, Kesmodel SB, Udupa J, Kneeland RB, Iannotti JP: MRI and 3D viewniz: a non-invasive technique for studying glenohumeral kinematics. *Skeletal Radiology*, 27:92–7, 1998.
- Sawyer JR, Klimkiewicz JJ, Iannotti JP, Rocke DM: Mechanism for superior subluxation of the glenohumeral joint in fibrodysplasia ossificans progressiva. *CORR*, 346:130–3, 1998.
- Sher J, Iannotti JP, Williams GR, Herzog R, Kneeland B, Lisser S, Patel N: Clinical impact of MR imaging

of the shoulder on treatment decision making. *J Shoulder & Elbow Surg*, 7:205–9, 1998.

- Blazer P, Iannotti JP, Williams GR: Anterior-posterior translation of the clavicle after distal clavicle resection. *J Shoulder & Elbow Surg*, 7:389–92, 1998.
- Campbell JT, Moore RS, Iannotti JP, Norris TR, Williams GR: Peri-prosthetic humeral fractures: mechanisms of fracture and treatment options. *J Shoulder & Elbow Surg*, 7:406–13, 1998.
- Klimkiewicz J, Iannotti JP, Rubash HE, Shanbhag AS: Aseptic loosening of the humeral component in total shoulder arthroplasty. *J Shoulder & Elbow Surg*, 7:422–6, 1998.
- Blazer P, Williams GR, Iannotti JP: Spontaneous rupture of the deltoid. *J Shoulder & Elbow Surg*, 7:389–92, 1998.
- Beredjiklian PK, Iannotti JP, Norris T, Williams GR: Malunion of the proximal humerus classification and management. *JBJS*, 80:1484–97, 1998.
- Freedman K, Iannotti JP, Williams GR: Arthroscopic acromioplasty for subacromial impingement following total shoulder arthroplasty. *J Arthroplasty*, 14:665–70, 1998.
- McConville O, Iannotti JP: Partial thickness rotator cuff tears. *JAAOS*, 7:32–43, 1999.
- Klimkiewicz JJ, Williams GR, Sher JS, Karduna AR, DeJardins J, Iannotti JP: The acromioclavicular capsule as a static restraint for posterior translation of the clavicle: a biomechanical analysis. *J Shoulder & Elbow Surg*, 8:125–9, 1999.

### FREDERICK S. KAPLAN, MD

#### Presentations

- “Recent progress in fibrodysplasia ossificans progressiva research.” International Workshop on Fibrodysplasia Ossificans Progressiva, European Neuromuscular Center, Naarden, The Netherlands, Jul 1998.
- “The cell biology of fibrodysplasia ossificans progressiva.” International Workshop on Fibrodysplasia Ossificans Progressiva, European Neuromuscular Center, Naarden, The Netherlands, Jul 1998.
- “Fibrodysplasia ossificans progressiva: Angiogenesis, apoptosis and spontaneous regression of lesions.” International Workshop on Fibrodysplasia Ossificans Progressiva, European Neuromuscular Center, Naarden, The Netherlands, Jul 1998.
- “Severe Orthopaedic Complications of Paget’s disease.” 25<sup>th</sup> Anniversary Symposium of the National Association for the Relief of Paget’s Disease, St. Catherine’s College, Oxford University, United Kingdom.
- “Fibrodysplasia ossificans progressiva: mapping the gene and other research progress.” IFOPA, West Coast Regional Meeting & Fundraiser, Fresno, CA, Sept 1998.
- “Osteogenic morphogens in hematopoietic cells: Rare

genetic insights into the origin of heterotopic bone and marrow.” First European Conference on Bone Morphogenetic Proteins, Zagreb, Croatia, Oct 1998.

- “Linkage analysis and the candidate gene approach as research strategies in fibrodysplasia ossificans progressiva.” First European Conference on Bone Morphogenetic Proteins, Zagreb, Croatia, Oct 1998.
- “Illustrative disorders of ectopic skeletal morphogenesis: A childhood parallax for studies in gravitational and space biology and the two skeletons of FOP: Lesions from a one skeleton planet.” Annual Meeting of the American Society for Gravitational and Space Biology, Houston, TX, Oct 1998.
- “Surgical management of Paget’s disease.” The Third International Symposium on Paget’s Disease, Napa, CA, Nov 1998.

#### Publications

- Urtizberea JA, Testart H, Cartault F, Boccon-Gibod L, LeMerrer M, Kaplan FS: Progressive osseous heteroplasia. *JBJS*, 80-B:768–71, 1998.
- Shore EM, Xu M-Q, Shah PB, Janoff HB, Hahn GV, Deardoff MA, Sovinsky L, Spinner NB, Zasloff MA, Wozney MA, Kaplan FS: The human bone morphogenetic protein (BMP-4) gene: molecular structure and transcriptional regulation. *Calcif Tissue Int*, 63:221–9, 1998.
- Kaplan FS, Shore EM: Encrypted morphogens of skeletogenesis: biological errors and pharmacological potentials. *Biochem Pharm*, 55:373–82, 1998.
- Kussmaul WG, Esmail AN, Sagar Y, Ross J, Gregory S, Kaplan FS: Pulmonary and cardiac function in advanced fibrodysplasia ossificans progressiva. *CORR*, 346:104–9, 1998.
- Olmsted EA, Gannon FH, Wang Z-Q, Grigoriadis AE, Wagner EF, Zasloff MA, Shore EM, Kaplan FS: Embryonic overexpression of the C-Fos proto-oncogene: a murine stem cell chimera applicable to the study of fibrodysplasia ossificans progressiva. *CORR*, 346:81–94, 1998.
- Kaplan FS, Sawyer J, Connors S, Keough K, Shore EM, Gannon F, Glaser D, Rocke D, Zasloff M, Folkman J: Urinary basic fibroblast growth factor: a biochemical marker for preosseous fibroproliferative lesions in patients with fibrodysplasia ossificans progressiva. *CORR*, 346:59–65, 1998.

### RICHARD D. LACKMAN, MD

#### Presentations

- “Indications for intra-lesional surgery in giant cell tumor of bone.” Combined Meeting of the American and European Musculoskeletal Tumor Societies, Washington, DC, May 1998.

## Publications

- Bezwada HP, Granick MS, Long CD, Moore JH, Lackman RD, Weiss AJ: Soft-tissue complications of intra-arterial chemotherapy for extremity sarcomas. *Annals of Plastic Surg*, 40(4):382–7, 1998.
- Weiss AJ, Sabol J, Lackman RD: Concurrent administration of vinorebine with recombinant human granulocyte colony stimulating factor. *Amer J Clin Oncol*, 21(6):2572–4, 1998.

## JESS H. LONNER, MD

### Presentations

- “The use of fully cemented stems in revision total knee arthroplasty.” 8<sup>th</sup> Annual Meeting of the American Association of Hip and Knee Surgeons, Dallas, TX, Nov 1998.
- “Incidence of fatal pulmonary embolism after total knee arthroplasty with aspirin prophylaxis.” 8<sup>th</sup> Annual Meeting of the American Association of Hip and Knee Surgeons, Dallas, TX, Nov 1998.
- “Total knee arthroplasty and femoral osteotomy for OA with extra-articular deformity.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Incidence of fatal pulmonary embolism after total knee arthroplasty with aspirin prophylaxis.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Emerging technologies in the treatment of focal chondral lesions of the knee: From biological resurfacing to prosthetic replacement.” Arthritis Foundation: Treatment Advances of Rheumatic Disease, Philadelphia, PA, Apr 1999.
- “The risk of death after TKA.” International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine, Washington, DC, Jun 1999.
- “Deformity in total knee arthroplasty.” Innovations in Hip, Knee, and Shoulder Arthroplasty, New York, NY, Jun 1999.
- “Extensor mechanism dysfunction in TKA.” Innovations in Hip, Knee, and Shoulder Arthroplasty, New York, NY, Jun 1999.
- “Infection in TKA: Diagnosis and treatment.” Innovations in Hip, Knee, and Shoulder Arthroplasty, New York, NY, Jun 1999.

### Publications

- Lonner JH, Siliski MJ, Scott RD: Feasibility of alternative surveillance after total knee arthroplasty. *Orthopaedics*, 21:1034–5, 1998.
- Egol KA, Lonner JH, Jaffe WL: Simultaneous bilateral total hip arthroplasty with hydroxyapatite coated implants. *Bulletin of the Hosp for Joint Diseases*, 57:52–5, 1998.
- Lonner JH, Lotke PA: Aseptic complications in total knee arthroplasty. *JAAOS*, 1999.

- Placide RJ, Lonner JH: Fractures of the distal femur. *Current Opinion in Orthop*, 10:2–9, 1999.
- Lonner JH, Cohen MA: Osteochondral allografting for focal defects of the knee. *Sem Arthroplasty*, 10:15–20, 1999.
- Lonner JH: Unicompartmental arthroplasty of the knee. *Sem Arthroplasty*, 48–54, 1999.
- Chin RK, Lonner JH, Jupiter B, Jupiter JH: The surgeon as a hand patient: the clinical and psychological impact of hand and wrist fractures. *J Hand Surg*, 24-A:59–63, 1999.
- Lonner JH: Thromboembolic disease in total knee arthroplasty: diagnosis and overview. *Amer J Knee Surg*, 12:43–8, 1999.
- Dellavalle C, Bogner E, Desai P, Lonner JH, Adler E, Zuckerman JD, DiCesare PE: Analysis of frozen sections of intraoperative specimens obtained at the time of reoperation after hip or knee resection arthroplasty for the treatment of infection. *JBJS*, 81-A:684–9, 1999.
- Lonner JH: Merits of posterior cruciate ligament substitution in total knee arthroplasty. *UPOJ*, 12:101–8, 1999.
- Lonner JH, Siliski JM, Scott RD: Prodromes of failure in total knee arthroplasty. *J Arthroplasty*, 14:488–92, 1999.

## PAUL A. LOTKE, MD

### Presentations

- “Non-operatively treated bimalleolar and trimalleolar fracture: A 20 year follow-up.” Meeting of the American Orthopaedic Foot and Ankle Society, Boston, MA, Jul 1998.
- “DVT prophylaxis in knee arthroplasty.” Orthopaedics Annual Meeting, American Osteopathic Academy of Orthopaedic Surgery, Chicago, IL, Sept 1998.
- “Rationale for posterior cruciate ligament sacrifice in total knee replacement.” Orthopaedics Annual Meeting, American Osteopathic Academy of Orthopaedic Surgery, Chicago, IL, Sept 1998.
- “Spontaneous osteonecrosis of the knee.” Society Latin American Orthopaedics and Traumatology (SLOAT), Lima, Peru, Oct 1998.
- “Rationale for the use of posterior cruciate substituting total knee arthroplasty.” Society Latin American Orthopaedics and Traumatology (SLOAT), Lima, Peru, Oct 1998.
- “Treatment of infected total knee arthroplasty.” Society Latin American Orthopaedics and Traumatology (SLOAT), Lima, Peru, Oct 1998.
- “Incidence of fatal pulmonary embolism after total knee arthroplasty with aspirin prophylaxis.” Interim Meeting of the Knee Society, Scottsdale, AZ, Oct 1998.
- “Use of fully cemented stems in revision total knee arthroplasty.” Annual Meeting of the American Asso-

ciation of Hip and Knee Surgeons (AAHKS), Dallas, TX, Nov 1998.

- “Osteonecrosis of the knee.” 10<sup>th</sup> Annual Holiday Total Knee Course, New York City, NY, Dec 1998.
- “The best DVT prophylaxis in just aspirin.” 10<sup>th</sup> Annual Holiday Total Knee Course, New York City, NY, Dec 1998.
- “Avascular necrosis of the knee, diagnosis alternatives.” Instructional Course Lecture, 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Incidence of fatal PE after total knee arthroscopy with aspirin prophylaxis.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Knee arthritis and reconstruction.” AAOS Comprehensive Review Course for Orthopaedic Surgeons, Chicago, IL, Feb 1999.
- “Revision total knee and thromboembolic disease.” AAOS Comprehensive Review Course for Orthopaedic Surgeons, Chicago, IL, Feb 1999.
- “The risk after total knee arthroplasty.” Biannual Meeting of the International Society of Arthroscopy, Knee Surgery in Orthopaedic Sports Medicine (ISAKSOS), Washington, DC, Jun 1999.
- “Results of revision total knee arthroplasty.” Instructional Course Lecture, International Society of Arthroscopy, Knee Surgery in Orthopaedic Sports Medicine (ISAKSOS), Washington, DC, Jun 1999.

#### Publications

- Winiarsky R, Barth P, Lotke PA: Total knee arthroplasty in morbidly obese patients. *JBJS*, 80-A:1770–4, 1998.
- Keiber-Emmons T, Fang Q, Cai W, Friedman SM, Crow MK, Lotke PA, Williams WW: Structural motifs in rheumatoid T-cell receptors. *DNA in Cell Biology*, 17:133–49, 1998.
- Lotke PA, Ecker ML, Barth P, Lonner JH: Subchondral magnetic resonance imaging changes in early osteoarthritis associated with tibial osteonecrosis. *J Arthroscopy*, 14:412–3, 1998.
- Lotke PA: DVT prophylaxis options: facts and fictions. *Orthopaedics*, 21:1025–6, 1998.
- Lotke PA: Management of extensor mechanism complications. *Orthopaedics*, 21:1046–7, 1998.
- Seldes RM, Tan V, Duffy G, Rand JA, Lotke PA: Total knee arthroplasty for steroid induced osteonecrosis. *J Arthroplasty*, 14, 1999.

#### CHARLES L. NELSON, MD

#### Presentations

- “Total knee arthroplasty following distal femoral osteotomy.” Interim Meeting of the Knee Society, Scottsdale, AZ, Oct 1998.

#### Publications

- Nelson CL: Total knee arthroplasty with preservation of the posterior cruciate ligament. *UPOJ*, 12:96–100, 1999.

#### ENYI OKEREKE, MD

#### Presentations

- “Ankle Fractures.” Regional Review Course, American Orthopaedic Foot and Ankle Society, Philadelphia, PA, Oct 1998.
- “Three-dimensional visualization and kinematic analysis of calcaneonavicular coalitions via 3D MR imaging.” 84<sup>th</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL, Nov 1998.
- “Kinematic three-dimensional magnetic resonance imaging: An analysis of tarsal coalitions.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.
- “Operatively-treated calcaneus fractures: To mobilize or not to mobilize.” Summer Meeting of the American Orthopaedic Foot and Ankle Society, San Juan, Puerto Rico.

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- Hirsch BE, Udupa JK, Mahan KT, Bauer GR, Okereke E: Kinematics of the tarsal joints as revealed by 3D imaging of live subjects. *Gait Posture*, 7:147–8, 1998.

#### MATTHEW L. RAMSEY, MD

#### Presentations

- “Biceps and triceps tendon injuries.” Current Concepts of Shoulder and Elbow Surgery, Tampa, FL, Jun 1999.
- “Nonimplant management of elbow arthritis.” Current Concepts of Shoulder and Elbow Surgery, Tampa, FL, Jun 1999.
- “Surgical management of nonunion of the distal humerus.” Current Concepts of Shoulder and Elbow Surgery, Tampa, FL, Jun 1999.

#### Publications

- Ramsey ML, Adams RA, Morrey BF: Instability of the elbow treated with semi-constrained total elbow arthroplasty. *JBJS*, 81-A:38–47, 1999.

#### SCOTT A. RUSHTON, MD

#### Publications

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### BRIAN J. SENNETT, MD

#### Presentations

- “Director three-dimensional measurement of scapular kinematics during dynamic movements in vivo.” Annual Conference, PPTA, Lancaster, PA, Oct 1998.
- “Autologous cultured chondrocytes.” National Meeting of Insurance Rehabilitation Association, Baltimore, MD, Nov 1998.

#### Publications

- Sennett BJ: Arthroscopic management of wrist instability. *Operative Techniques in Sports Med*, 6(1):52–7, 1998.

### EILEEN M. SHORE, PHD

#### Presentations

- “Genetic linkage analysis and positional cloning strategies for fibrodysplasia ossificans progressiva (FOP).” Magainin Pharmaceuticals, Plymouth Meeting, PA, Sept 1998.
- “FOP research and relevance to other disorders of bone formation.” Merck, West Point, PA, Mar 1999.

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- Kaplan FS, Shore EM: Encrypted morphogens of skeletogenesis: biological errors and pharmacological potentials. *Biochem Pharm*, 55:373–82, 1998.

### LOUIS J. SOSLOWSKY, PHD

#### Presentations

- “Overuse activity injured rotator cuff tendons in an animal model: A histologic and biomechanical study.” 5<sup>th</sup> Japan-U.S.A.-Singapore-China Conference on Biomechanics, Sendai, Japan, Aug 1998.
- “The influence of exogenous fibrin clot on healing in a rat supraspinatus tendon defect.” Second World Congress of Biomechanics, Sapporo, Japan, Aug 1998.
- “Strain fields of the inferior glenohumeral ligament surface in a subluxed shoulder. A stereoradiogrammetric study.” Second World Congress of Biomechanics, Sapporo, Japan, Aug 1998.
- “The coracohumeral ligament and glenohumeral ligaments as restraints to external rotations: Implications in the throwing athlete.” Second World Congress of Biomechanics, Sapporo, Japan, Aug 1998.
- “Overuse activity injured rotator cuff tendons in an animal model: A histological and biomechanical study.” 15<sup>th</sup> Annual Meeting of the American Shoulder and Elbow Surgeons, New York, NY, Nov 1998.
- “Role of biomechanical testing in evaluating histologic parameters.” Scientific Advisory Board Meeting, Genetics Institute, Inc., Cambridge, MA, Dec 1998.
- “From Columbia to Penn: Past, present, and future: Where have we been and where are we going.” The Future of Bioengineering VCM60 Symposium, Rye Brook, NY, Jan 1999.
- “A preliminary comparative study on the healing characteristics of fetal and adult sheep tendons.” Meeting of the Orthopaedic Research Society, Anaheim, CA, Feb 1999.
- “Stimulation of chondrogenesis by cyclic compressive loading is frequency-dependent.” Meeting of the Orthopaedic Research Society, Anaheim, CA, Feb 1999.
- “Total and non-recoverable strain fields of the glenohumeral joint capsule under shoulder subluxation.” Meeting of the Orthopaedic Research Society, Anaheim, CA, Feb 1999.
- “Ligamentous restraints and muscle effects on limiting external rotations of the glenohumeral joint in the neutral and abducted positions.” Meeting of the Orthopaedic Research Society, Anaheim, CA, Feb 1999.
- “Glycosaminoglycan distribution and fine structure in the tendon fascicle: Implication for extracellular matrix

structure-function." Meeting of the Orthopaedic Research Society, Anaheim, CA, Feb 1999.

- "Overuse activity injured rotator cuff tendons in an animal model: A histologic and biomechanical study." American Shoulder and Elbow Surgeons Specialty Day, Meeting of the Orthopaedic Research Society, Anaheim, CA, Feb 1999.
- "A quantitative investigation of structure-function relationships in a tendon fascicle model." Department of Biomedical Engineering, Virginia Commonwealth University/Medical College of Virginia, Richmond, VA, Mar 1999.
- "A technique for quantifying two-dimensional intratendonous rotator cuff strain." 1999 Summer Bioengineering Conference, Big Sky, Montana, Jun 1999.

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- 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. *J Shoulder & Elbow Surg*, 7:397-401, 1998.
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- Carpenter JE, Thomopoulos S, Flanagan CL, DeBano CM, Moalli MR, Solowsky LJ: Rotator cuff defect healing: a biomechanical and histologic analysis in an animal model. *J Shoulder & Elbow Surg*, 7:599-605, 1998.

### DAVID R. STEINBERG, MD

#### Presentations

- "The utility of obtaining x-ray in patients diagnosed with trigger fingers." 29<sup>th</sup> Annual Meeting of the Eastern Orthopaedic Association, Dorado, Puerto Rico, Oct 1998.
- "The significance of the three volar forearm spaces in compartment syndrome." 29<sup>th</sup> Annual Meeting of the Eastern Orthopaedic Association, Dorado, Puerto Rico, Oct 1998.
- "Avascular necrosis of the carpus." 11<sup>th</sup> Annual Meeting of the Kiros Research Society, CA, Jun 1999.

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- Steinberg DR: Early diagnosis, evaluation and staging of ON. *Sem Arthroplasty*, 9:203-12, 1998.
- Steinberg DR: The significance of the three volar spaces in forearm compartment syndrome: a clinical and cadaveric correlation. *J Hand Surg*, 23-A:1077-81, 1998.
- Steinberg DR: Consequences of knuckle cracking: a

report of two acute injuries. *Amer J Orthop*, 28(2):113-4, 1999.

### MARVIN E. STEINBERG, MD

#### Presentations

- "Early failure of pre-coated femoral components in primary total hip arthroplasty: One surgeon's experience." 31<sup>st</sup> Annual Orthopaedic Residents' Conference, Memphis, TX, Aug 1998.
- "Results of revision total hip arthroplasty in patients with avascular necrosis." Annual Meeting of the Girdlestone Orthopaedic Society, Graz and Salzburg, Austria, Aug 1998.
- "Treatment of avascular necrosis of the femoral head – an overview." Shanghai Medical University, Shanghai, Peoples Republic of China, Sept 1998.
- "Treatment of osteonecrosis of the femoral head by core decompression, bone grafting and electrical stimulation." Shanghai Medical University, Shanghai, Peoples Republic of China, Sept 1998.
- "Results of revision total hip in patients with avascular necrosis." Shanghai Medical University, Shanghai, Peoples Republic of China, Sept 1998.
- "Core decompression for treatment of femoral head osteonecrosis." Annual Meeting of the Eastern Orthopaedic Association, Cerromar, Puerto Rico, Oct 1998.
- "Does pain predict outcome in hips with avascular necrosis?" Annual Meeting of the Eastern Orthopaedic Association, Cerromar, Puerto Rico, Oct 1998.
- "Results of revision hip arthroplasty in patients with avascular necrosis." Annual Meeting of the Pennsylvania Orthopaedic Society, Hershey, PA, Nov 1998.
- "Interobserver reliability and intraobserver reproducibility of radiolucent lines around a total hip implant: Treatment implications." Annual Meeting of the Pennsylvania Orthopaedic Society, Hershey, PA, Nov 1998.

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- Steinberg ME, Steinberg DR: Avascular necrosis: diagnosis and staging. Chapter in *Hip Surgery: New Materials and Developments*, Ed: Sedel L, Cabanela ME, Martin Dunitz, London, 91-8, 1998.
- Luchette WT, Copley LA, Vresilovic EJ, Black J, Steinberg ME: Draining entrapment and titanium to ceramic head deposition: two unique complications following closed reduction of a dislocated total hip arthroplasty – a case report. *J Arthroplasty*, 13(5):1-5, 1998.
- Steinberg ME: Osteonecrosis of the femoral head: core decompression. *Hip Int*, 8(3):145-53, 1998.
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- Steinberg ME: Evaluation and staging of osteonecrosis. Chapter in *Ibid*, Chapter 3, 203-12.

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- Tan V, Klotz JJ, Greenwald S, Steinberg ME: Carry it on the bad side! *Amer J Orthop*, 27(10):673–7, 1998.
- Fitzgerald RH, Steinberg ME: Revising the infected total hip: results of treatment. Chapter in *Ibid*, Chapter 29.
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- Wei SY, Klimkiewicz JJ, Lai M, Garino JP, Steinberg ME: Revision total hip arthroplasty in patients with avascular necrosis. *Orthopaedics*, 22(8):105, 1999.
- Steinberg ME, Mont M: Osteonecrosis. Chapter in *Operative Orthopaedics*, 3<sup>rd</sup> edition, Ed: Chapman MW, Lippincott-Raven Publishers, Chapter 137, 1999.

### **EDWARD J. VRESILOVIC, JR., MD, PHD**

#### **Publications**

- Luchetti WT, Copley LA, Vresilovic EJ, Black J, Steinberg ME: Draining entrapment and titanium to ceramic head deposition: two unique complications following closed reduction of a dislocated total hip arthroplasty – a case report. *J Arthroplasty*, 13(5):1–5, 1998.

### **GERALD R. WILLIAMS, MD**

#### **Presentations**

- “The effect of articular malposition on subacromial impingement and glenohumeral motion after total shoulder arthroplasty.” American Shoulder and Elbow Surgeons’ Specialty Day, 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.

- “Nonoperative treatment of ipsilateral glenoid neck and clavicle fractures.” 66<sup>th</sup> Annual Meeting of the AAOS, Anaheim, CA, Feb 1999.

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- Blazer P, Williams GR, Iannotti JP: Spontaneous detachment of the deltoid muscle origin. *J Shoulder & Elbow Surg*, 7(4):389–92, 1998.
- Sher J, Iannotti JP, Williams GR, Herzog R, et al: The effect of shoulder MRI on clinical decision making. *J Shoulder & Elbow Surg*, 7(3):205–9, 1998.
- Blazer P, Williams GR, et al: Anterior posterior instability of the distal clavical after distal clavicle resection. *CORR*, 348:114–20, 1998.
- Beredjiklian PK, Williams GR, et al: Surgical management of malunions of the proximal humerus. *JBJS*, 80-A:1484–7, 1998.
- Gupta R, Williams GR, et al: Nonunion of the scapular body. *JBJS*, 80-A:428–30, 1998.
- Wong KL, Williams GR: Percutaneous and minimally invasive treatment of proximal humerus fractures. *Sports Med & Arthroscopy Review*, 7:134–44, 1999.

### **PHILIP Z. WIRGANOWICZ, MD**

#### **Publications**

- Folpe AL, Wirganowicz PZ, O’Donnell RJ, Gown AM: Myofibroblastic tumour of bone with abundant intra- and extra-cellular actin: report of a unique tumour with immunohistochemical and ultrastructural characterization. *Histopathology*, 33(5):490–2, 1998.
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