

## **CURRICULUM VITAE**

**JOHN C. GRADY-BENSON, M.D.**

**OFFICE ADDRESS:**      **Orthopedic Associates of Hartford, P.C.  
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### **EDUCATION**

**1977-1981**              **Brown University, Providence, Rhode Island, B.A. English and American Literature; Phi Beta Kappa, Magna Cum Laude**

**1981-1985**              **Northwestern University Medical School, Chicago, Illinois, M.D.**

### **POSTDOCTORAL TRAINING**

**1985-1986**              **Internship, Hartford Hospital, University of Connecticut, Farmington, Connecticut. General Surgery**

**1986-1990**              **Orthopaedic Residency, University of Connecticut, Farmington, Connecticut.**

**1990-1991**              **Fellowship, Scripps Clinic and Research Foundation, La Jolla, California, Lower Extremity Adult Reconstruction**

### **ACADEMIC APPOINTMENTS**

**9/91 - 9/95**              **Assistant Professor, Section of Orthopaedic Surgery, University of Michigan Medical Center; Ann Arbor, Michigan.**

**Staff Surgeon, Section of Orthopaedic Surgery, Ann Arbor Veterans Administration Hospital; Ann Arbor, Michigan.**

**1/94 - 9/95**              **Chief, Section of Orthopaedic Surgery, Ann Arbor Veterans Administration Hospital; Ann Arbor, Michigan.**

**9/95 - 7/96**              **Assistant Clinical Professor, Department of Orthopaedic Surgery, University of California San Diego, San Diego, California. Specialty: Complex Adult Reconstructive Surgery**

and Revision Total Joint Replacement.

Staff Surgeon, Section of Orthopaedic Surgery, Scripps Clinic and Research Foundation; La Jolla, California

Staff Surgeon, Section of Orthopaedic Surgery, San Diego Veterans Administration Hospital, San Diego, California.

7/96 - Present Assistant Clinical Professor, Orthopedic Surgery, University of Connecticut, John Dempsey Hospital.

Staff Surgeon, Hartford Hospital, Hartford, CT

Staff Surgeon, John Dempsey Hospital, Farmington, CT

### CERTIFICATION AND LICENSURE

- 1986 Diplomate, National Board of Medical Examiners
- 1990 Licensed Physician and Surgeon, State of California  
(#G068704)
- 1991 Licensed Physician and Surgeon, State of Michigan  
(#4301058726) DEA # BG2357728
- 1993 Certified, American Board of Orthopaedic Surgery.  
Recertified 07/03.
- 1995 Fellow, American Academy of Orthopaedic Surgeons
- 1996 Licensed Physician & Surgeon, State of Connecticut, #035384

### HONORS AND AWARDS

- 1981 *Phi Beta Kappa, Magna Cum Laude*, Brown University
- 1995 William S. Smith Teaching Award, Section of Orthopedic Surgery, University of Michigan Medical Center
- 1996 Orthopedic Resident Teacher of the Year Award, University of California, San Diego
- 2000 Harry R. Gossling Orthopedic Resident Teacher of the year Award, University of Connecticut

- 2002            *Connecticut Magazine*, listed in “Top Docs for Women,”  
Orthopedic Surgery, April 2002
- 2003            *Connecticut Magazine*, listed in “Top Docs for Families,”  
Orthopedic Surgery, April 2003. Vol. 66 No4.
- 2005            *Connecticut Magazine*, listed in “Top Docs,”  
Orthopedic Surgery, May 2005.
- 2006            *Hartford Magazine*, listed in “Greater Hartford’s Top Doctors,”  
Orthopedic Surgery, July 2006

### **PRESENT MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES**

- 1990            University of Michigan Orthopedic Society
- 1995-Present    American Academy of Orthopedic Surgeons, (ASOS),  
Fellow
- 1996            AAOS Subcommittee on Evaluations,  
Adult Reconstruction Section
- 1996- Present    Hartford County Medical Society  
Connecticut State Medical Society  
New England Orthopedic Society

### **TEACHING ACTIVITIES**

- 1991-95
- Coordinator, Monthly Orthopaedic Journal Club Conference, Section of Orthopaedic Surgery, University of Michigan.
- 1991-93
- Coordinator, Orthopaedic Radiology-Pathology Conference, Section of Orthopaedic Surgery, Quarterly meeting, University of Michigan.
- 1991-1996
- Numerous lectures to Medical Students, Orthopedic Surgery Residents, Grand Rounds at University of Michigan, University of California, San Diego, University of Connecticut.

**1996-Present**

- **Co-Coordinator of Arthroplasty Journal Club, quarterly; attended by orthopaedic residents, medical students, surgeons.**
- **Coordinator of Adult Reconstruction/Arthroplasty Quality Review/Assurance Conference, quarterly.**
- **Co-Director Adult Reconstruction/Joint Replacement Orthopaedic Resident Rotation, PGY 2 and PGY3; 1996-2005. Director since 2006.**
- **More than 50 operating room observations (including medical students, physician assistant students and residents, student nurses, technician students) have come to observe Dr. Grady-Benson's technique in hip and knee replacement surgery.**

**2005-Present**

- **Coordinator of Clinical Indications Conference, quarterly; review of cases generated from Orthopedic Resident Clinic.**

**INVITED SEMINARS AND LECTURES**

**"The Effect of Posterior Tibial Slope on Tibiofemoral Forces After Total Knee Arthroplasty." North American Traveling Fellows, University of Michigan, Ann Arbor, Michigan, October 9, 1991.**

**"Allograft Bone Reconstruction in Revision Total Hip Arthroplasty." Department of Surgery, University of Michigan, September 25, 1992.**

**INVITED SEMINARS AND LECTURES – (continued):**

**"High Risk Factors and Diagnostic Challenges Associates with Venous Thromboembolic Disease, Interchange Forum: Developments in Prophylactic Therapy for Venous Thromboembolic Disease." Dallas, Texas, November 12, 1992.**

**"Epidemiology and Diagnosis of Thromboembolic Disease in Orthopaedic Patients". New Advances in Orthopaedics, San Francisco, California, February 19, 1993.**

**"Allograft Bone Reconstruction in Revision Total Hip Arthroplasty." Orthopaedic Grand Rounds, St. Joseph's Hospital and Catherine McCauley Health Center, Ypsilanti, Michigan, November 9, 1993.**

**"An Update on the Prevention of Deep Vein Thrombosis." Critical Care Grand Rounds, Battle Creek Health System, Battle Creek, Michigan, June 7, 1994.**

**"Diagnostic Challenges Associated with Venous Thromboembolic Disease." New Advances in the Prophylaxis of Venous Thromboembolism in Joint Replacement. Winnipeg, Canada, June 12, 1994.**

**"Current Issues and Techniques in Joint Replacement." Chairman: John Grady-Benson, M.D. and David Mattingly, M.D. Westin Hilton Head Resort, Hilton Head, South Carolina, October 20-21, 1994.**

**"The Influence of Cemented Femoral Stem Design , " Current Issues and Techniques in Joint Replacement. Hilton Head, South Carolina, October 21, 1994.**

**"An Update on the Prevention of Venous Thromboembolic Disease in Orthopaedic Patients". Department of Surgery Grand Rounds, March 11, 1995.**

**"Operative Treatment of Arthritis", Rancho Santa Fe Senior Center, Rancho Santa Fe, California, February 15, 1996.**

**"Venous Thromboembolic Disease After Total Hip and Knee Arthroplasty." Alvarado Hospital Section of Orthopaedic Surgery, San Diego, California, February 15, 1996.**

**"Venous Thromboembolic Disease after Total Hip and Knee Arthroplasty". Southern California Orthopaedic Surgeons, Temecula, California, February 17, 1996.**

**"Venous Thromboembolic Disease after Total Hip and Knee Arthroplasty". Visiting Professor, University of Louisville Department of Orthopaedic Surgery, Louisville, Kentucky, April 9, 1996.**

#### **INVITED SEMINARS AND LECTURES – (continued):**

**"Outcomes Research After Total Joint Replacement", Hartford Hospital Ground Rounds, Jan. 2000; Executive Board Feb. 2002**

**"Total Joint Replacement", Interim Health Care 11/03.**

**"Supracondylar Femur Fractures: The Locked Condylar Buttress Acute", Synthes Locked Plating Symposium, 12/05/03.**

**"Periprosthetic Femur Fractures, "Difficult Fractures: A New Technology Symposium, 04/08 – 04/10/05.**

#### **COMMITTEE AND ADMINISTRATIVE SERVICES**

**1994-1995**

- Chief, Section of Orthopaedic Surgery, Veterans Administration Hospital, Ann Arbor, Michigan.

**1992-1995**

- Orthopaedic Residency Education Committee, University of Michigan.

**1993-1995**

- Clinical Executive Board, Member at Large; Veterans Administration Hospital, Ann Arbor, Michigan.

**1994-1995**

- Executive Faculty, University of Michigan, Voting Member.

**1995-1996**

- American Academy of Orthopaedic Surgeons Subcommittee on Hip, Knee and Adult Reconstruction Evaluation, Member.

**1997-Present**

- Resident Education Committee, Department of Orthopedic Surgery, University of Connecticut

**1997-2002**

- Hartford Hospital Contract Negotiations Committee

**1998-2004**

- Hartford Hospital Medical Staff Advisory Committee

**COMMITTEE AND ADMINISTRATIVE SERVICES – (continued):****1999-2002**

- Qualidigm Osteoporosis Prevention and Treatment Quality Improvement Project, Advisory Board

**1999-2002**

- Connecticut Physician Specialty Inc; Officer, Contract Negotiations Subcommittee

**2000-2002**

- Executive Medical Staff Committee, Elected Member, Hartford Hospital

**2006**

- Co-Director Total Joint Replacement Center, Hartford Hospital, with

Steven F. Schutzer, M.D.

## **BIBLIOGRAPHY**

### **COMPLETED PUBLICATIONS IN SCIENTIFIC JOURNALS PEER REVIEWED**

1. GRADY-BENSON, and Lovallo, J.: Silicone Synovitis of the Wrist and Hand, Complications in Orthopaedics, 5(5): 134-140, 1990.
2. GRADY-BENSON, J., High-Risk Factors and Diagnostic Challenges Associated with Venous Thromboembolic Disease. P & T: Pharmacy and Therapeutics, A Peer Reviewed Journal; Special Supplement I, 19(2s); 10-16, Feb. 1994.
3. GRADY-BENSON, J., High-Risk Factors and Diagnostic Challenges Associates with Venous Thromboembolic Disease. Orthopaedic Review. Supplement XIII, Number 3A: 10-16, Mar., 1994.
4. GRADY-BENSON, J., Hanson, P., Otis, S., Schneider, J., Walker, R. Routine Postoperative Duplex Ultrasonography Screening and Monitoring for the Detection of Deep Vein Thrombosis: A Survey of 110 Total Hip Arthroplasties, Clinical Orthopaedics and Related Research 307:130-141, Oct., 1994.
5. GRADY-BENSON, J., Oishi, C., Colwell, C., Otis, S., Schneider, J., Walker, R. Postoperative Surveillance for Deep Venous Thrombosis with Duplex Ultrasonography After Total Knee Arthroplasty. Journal of Bone and Joint Surgery. (Am), 76-A, 11:1649-1657, Nov., 1994.

### **BIBLIOGRAPHY – (continued):**

6. Oishi, C., GRADY-BENSON, J., Schneider, J., Walker, R.: The Clinical Course of Distal Deep Venous Thrombosis After Total Hip and Total Knee Arthroplasty as Determined with Duplex Ultrasonography. Journal of Bone and Joint Surgery (Am), 76-A, 11:1658-1663, 1994.
7. GRADY-BENSON, J., Revision Hip Replacement Surgery. In: Seminar on Failed Joint Replacements, Current Orthopaedics 9:9-20, 1995.
8. Oishi, C., GRADY-BENSON, J., Kaufman, Colwell, C. Autogenous Bone Banking in a Contralateral Total Hip Arthroplasty: A Case Report. Journal of Arthroplasty, Vol. 10 No. 1 109-112, 1995.

9. Schutzer, S., GRADY-BENSON, J., Jasty, M., Bragdon, C., and Harris, W.: **The Influence of Intra-Operative Femoral Fractures and Cerclage Wiring on Bone Ingrowth into Canine Porous-Coated Femoral Components**, *Journal of Arthroplasty*, Vol 10, No 6: 823-829
10. GRADY-BENSON, J., **Instability After Total Hip Arthroplasty. Complications in Orthopedics**, Fall 1996, Guest Editorial, P. 3-5 11.
11. Tannenbaum, D., GRADY-BENSON, J., Matthews, L: **Joint Arthroplasty Infection in Renal and Liver Transplant Patients**. *Journal Bone & Joint Surg.*, 79-A, 1:36-43, 1997.
12. Yashar A., Adler R., GRADY-BENSON, J., Matthews L., Freiberg A.: **An ultrasound method to evaluate polyethylene component wear in total knee replacement arthroplasty**. *American Journal of Orthopedics*. 25(10):702-4, 1996.
13. Ravalin R., Mazzocca A., GRADY-BENSON, J., Nissen C., Adams D.: **Biomechanical comparison of patellar tendon repairs in a cadaver model: an evaluation of gap formation at the repair site with cyclic loading**. *American Journal of Sports Medicine*. 30(4):469-73, 2002 Jul-Aug.

#### **ABSTRACTS, PRELIMINARY COMMUNICATIONS, PANEL DISCUSSIONS**

1. Schutzer, S., Jasty, M., Bragdon, C., GRADY-BENSON, J. and Harris, W.: **Intraoperative Femoral Fractures: Influence on Bone Ingrowth into Canine Porous Femoral Components**. *Orthopaedic Research Society Transactions*, 36<sup>th</sup> Meeting, p. 436, 1990.

#### **ABSTRACTS, PRELIMINARY COMMUNICATIONS, PANEL DISCUSSIONS— (continued)**

2. GRADY-BENSON, J., Otis, S., Schneider, J., Walker, R.: **Postoperative Deep Venous Thrombosis Screening, Monitoring and Management Utilizing Duplex Ultrasonography: A Survey of 110 Total Hip Arthroplasties**. *J. Arthroplasty* - 8:105, 1993.
3. GRADY-BENSON, J., and DeLuca, P.: **Varus Derotation Osteotomy vs. Soft Tissue Releases for the Hip at Risk in Spastic Quadriplegia**. *Orthopaedic Transactions* 15(3): 733, 1991.
4. GRADY-BENSON, J., Kaufman, K., Irby, S., and Colwell, C.: **The Effect of Posterior Tibial Slope on Tibiofemoral Forces After Total Knee Arthroplasty**. *Orthopaedic Transactions*, 16(2): 461, 1992.



5. GRADY-BENSON, J., Kaufman K., Irby, S., and Colwell, C.: The Influence of Joint Line Location on Tibiofemoral Forces After Total Knee Arthroplasty. Orthopaedic Transactions, 16(2): 481, 1992.
6. GRADY-BENSON, J., Schneider, J., and Walker, R.: Routine Postoperative B-Mode Ultrasound Scanning for the Detection of Deep Venous Thrombosis: A Survey of 110 Consecutive Total Hip and Total Knee Arthroplasties. Orthopaedic Transactions, 16(1): 73, 1992.
7. GRADY-BENSON, J., Otis, S., Schneider, J., Walker, R.: Postoperative Deep Venous Thrombosis Screening, Monitoring and Management Utilizing Duplex Ultrasonography: A Survey of 110 Total Hip Arthroplasties. Orthopaedic Transactions, 1994.
8. GRADY-BENSON, J., Otis, S., Schneider, J., Walker, R.: Postoperative Deep Venous Thrombosis Screening, Monitoring and Management Utilizing Duplex Ultrasonography After Total Knee Arthroplasty. Orthopaedic Transactions, 1994.
9. Lewis, C., Nowak, M., GRADY-BENSON, J. Use of the Hemioblique Osteotomy for Fixation of Intercalary Femoral Allografts in Revision Total Hip Arthroplasty. Orthopaedic Transactions, 1994.
10. Lewis, C., Nowak, M., GRADY-BENSON, J. Use of the Hemioblique Osteotomy for Fixation of Intercalary Femoral Allografts in Revision Total Hip Arthroplasty. J. Arthroplasty 9:106, 1994.
11. Oishi, C., GRADY-BENSON, J., Schneider, J., Walker, R.: The Natural History of Distal Deep Venous Thrombosis After Total Hip and Total Knee Arthroplasty. Orthopaedic Transactions, 1994.

**ABSTRACTS, PRELIMINARY COMMUNICATIONS, PANEL DISCUSSIONS-**  
**(continued)**

12. Oishi, C.S., GRADY-BENSON, J., Otis, S.M., Colwell, C.W., Jr., Schneider, J.E., and Walker, R.H.: The Clinical Course of Distal Deep Venous Thrombosis After Total Hip and Total Knee Arthroplasty. J. Arthroplasty 9:112-113, 1994.
13. Moore, D., Germiller, J., GRADY-BENSON, J., Matthews, L., Goldstein, S.: Comparison of the Cement Mantle in Proximally-Restricted and Conventionally-Cemented Femoral Stems: Cement Pressure Distributions and Mantle Morphology. Orthopaedic Transactions, 1994.

**AUDIOVISUAL PRESENTATIONS**

1. **Audiodigest Foundation: The Epidemiology and Diagnosis of Venous Thromboembolic Disease, IN: Thromboembolic Disease: Meeting the Challenge. Orthopaedics, 16(06); June, 1993.**
2. **"Mini-Invasive Total Hip Replacement." Live Internet Surgery, Moderator 11/05/03. www.harthosp.org.**

#### **SCIENTIFIC PAPERS PRESENTED AT NATIONAL MEETINGS**

1. **GRADY-BENSON, J. and DeLuca, P.: Varus Derotation Osteotomy vs. Soft Tissue Releases for the Hip at Risk in Spastic Quadriplegic Cerebral Palsy. Northeastern Pediatric Orthopaedic Resident Conference, Newington Children's Hospital; Newington, Connecticut, June 22, 1989.**
2. **GRADY-BENSON, J., Schutzer, S., Jasty, M., Bragdon, C., and Harris, W.: Intraoperative Femoral Fractures: Influence on Bone Ingrowth into Canine Porous Femoral Components. Society for Biomaterials Annual Meeting; Charleston, South Carolina, May 22, 1990.**
3. **GRADY-BENSON, J., Schutzer, S., Jasty, M. Bragdon, C., and Harris, W.: Intraoperative Femoral Fractures: Influence on Bone Ingrowth into Canine Porous Femoral Components. First World Congress of Biomechanics; La Jolla, California, September 1, 1990.**
4. **GRADY-BENSON, J., and DeLuca, P.: Varus Derotation Osteotomy vs. Soft Tissue Releases for the Hip at Risk in Spastic Quadriplegic Cerebral Palsy. American Academy of Orthopaedic Surgeons 58th Annual Meeting, (Paper No. 134;) Anaheim, California, March 8, 1991.**

#### **SCIENTIFIC PAPERS PRESENTED AT NATIONAL MEETINGS – (continued):**

5. **GRADY-BENSON, J., Kaufman, K., Irby, S., and Colwell, C.: The Effect of Posterior Tibial Slope on Tibiofemoral Forces after Total Knee Arthroplasty. Knee Society Meeting; Itasca, Illinois, October 5, 1991.**
6. **GRADY-BENSON, J., Otis, S., Schneider, J., and Walker, R.: Routine Postoperative B-mode Ultrasound Scanning for the Detection of Deep Venous Thrombosis: A survey of 110 Consecutive Total Hip and Knee Arthroplasties. Western Orthopaedic Association, (Paper No. 27;) Tucson, Arizona, October 22, 1991.**
7. **GRADY-BENSON, J., Kaufman, K., Irby, S., and Colwell, C. The Effect of Posterior Tibial Slope on Tibiofemoral Forces After total Knee Arthroplasty. Orthopaedic Research Society. 38th Annual Meeting, (Paper No. 270;)**

Washington, D.C., February 20, 1992.

8. GRADY-BENSON, J., Otis, S., Schneider, J., and Walker, R.: Postoperative Deep Venous Thrombosis Screening, Monitoring and Management Utilizing Duplex Ultrasonography. A Survey of 110 Total Hip Arthroplasties. Association for Arthritic Hip and Knee Surgery, Second Annual Meeting (Paper No. 16;) Dallas, Texas, November 14, 1992.
  9. GRADY-BENSON, J., Otis, S., Schneider, J., and Walker, R.: DVT Screening, Monitoring and Management Utilizing Duplex Ultrasonography after Total Knee Arthroplasty. American Academy of Orthopaedic Surgeons 60<sup>th</sup> Annual Meeting. (Paper No. 130;) San Francisco, California, February 19, 1993
  10. GRADY-BENSON, J., Hanson, P.R., Otis, S.M., Schneider, J., and Walker, R.H.: Postoperative Deep Venous Thrombosis Screening, Monitoring, and Management Utilizing Duplex Ultrasonography. A Survey of 60 Primary Unilateral Total Knee Arthroplasties. American Academy of Orthopaedic Surgeons, 60th Annual Meeting; San Francisco, California, February, 1993.
  11. Lewis, C., Nowak, M., GRADY-BENSON, J.: Use of the Hemioblique Osteotomy for Fixation of Intercalary Femoral Allografts in Revision Total Hip Arthroplasty. Association for Arthritic Hip and Knee Surgery, Third Annual Meeting, (Paper No. 14;) Dallas, Texas, November 13, 1993.
  12. Oishi, C., GRADY-BENSON, J., Schneider, J., Walker, R.: The Natural History of Distal Deep Venous Thrombosis After Total Hip and Total Knee Arthroplasty. American Academy of Orthopaedic Surgery, 61st Annual Meeting, (Paper No. 395;) New Orleans, Louisiana, February 26, 1994.
- SCIENTIFIC PAPERS PRESENTED AT NATIONAL MEETINGS – (continued):**

13. Colwell, C.W., GRADY-BENSON, J., Oishi, C., Otis, S., Walker, R.: The Clinical Course of Distal Deep Venous Thrombosis After Total Hip and Knee Arthroplasty. Hospital for Special Surgery Alumni Association; New York, New York, April 29, 1994.
14. Thomas, P., Henke, J., GRADY-BENSON, J., O'Keefe, T.: Horizontal Laminar Air Flow and Decreased Infection Rates in Total Joint Arthroplasty. Mid-America Orthopaedic Association Annual Meeting; Bermuda, April 27-May 1, 1994.
15. Tannenbaum, D., GRADY-BENSON, J., Matthews, L.: Joint Arthroplasty infection in Renal and Liver Transplant Patients. Association of Arthritic Hip and Knee Surgery, Fourth Annual Meeting, Washington, D.C., September 25, 1994.

16. Adler, R., GRADY-BENSON, J.: Assessment of Polyethylene Liner in Total Knee Arthroplasties. American Institute of Ultrasound in Medicine, 39th Annual Convention, San Francisco, California. March 26-29, 1995.
17. Yashar, A., Freiberg, A., Adler, R., GRADY-BENSON, J., Matthews, L.: An Ultrasound Method to Evaluate Polyethylene Thickness After Total Knee Replacement. 28th Annual Residents' Conference, American Orthopaedic Association, Pittsburgh, Pennsylvania. March 31, 1995.
18. GRADY-BENSON, J., Moore, D., Germiller, J., Matthews, L., Goldstein, S.: Comparison of the Cement Mantle in Ported and Conventionally-Cemented Femoral Stems: Cement Pressure Distributions and Mantle Morphology. Mid-America Orthopaedic Association Annual Meeting, Palm Beach, Florida, (Paper No. 134;) April 22, 1995.
19. Tannenbaum, D., GRADY-BENSON, J., Matthews, L.: Joint Replacement Infection in Renal and Liver Transplant Patients. Mid-America Orthopaedic Association Annual Meeting, Palm Beach, Florida, (Paper No. 13;) April 20, 1995.

#### **POSTERS PRESENTED AT NATIONAL MEETINGS**

1. Schutzer, S., GRADY-BENSON, J., Jasty, M., Bragdon, C., Harris, W.: Intraoperative Femoral Fractures: Influence on Bone Ingrowth into Canine Porous Femoral Components." Orthopaedic Research Society, 36th Meeting; New Orleans, Louisiana, February 5-8, 1990.

#### **POSTERS PRESENTED AT NATIONAL MEETINGS – (continued):**

2. GRADY-BENSON, J., Schneider, J., Walker, R.: Routine Postoperative B-mode Ultrasound Scanning for the Detection of Deep Venous Thrombosis: A Survey 110 Consecutive Total Hip and Knee Arthroplasties. American Academy of Orthopaedic Surgeons, (Poster No. B17;) Washington, D.C., February 20-25, 1992.
3. GRADY-BENSON, J., Kaufman, K., Irby, S., Colwell, C.: The Influence of Joint Line Location on Tibiofemoral Forces After Total Knee Arthroplasty. Orthopaedic Research Society, 38th Annual Meeting, (Poster No. 324;) Washington, D.C., February 17-20, 1992.
4. Lewis, C., Nowak, M., GRADY-BENSON, J.: Use of the Hemioblique Osteotomy for Fixation of Intercalary Femoral Allografts in Revision Total Hip Arthroplasty. American Academy of Orthopaedic Surgeons 60th Annual

Meeting, (Scientific Exhibit No. SE16;) San Francisco, California, February 18-23, 1993.

5. GRADY-BENSON, J., Oishi, C., Schneider, J., Walker, R.: The Natural History of Distal Deep Venous Thrombosis After Total Hip and Total Knee Arthroplasty. American Academy of Orthopaedic Surgery, 61st Annual Meeting, (Poster No. E024;) New Orleans, Louisiana, February 28, 1994.
6. Thomas, P., GRADY-BENSON, J., O'Keefe, T., Stubbs, B., Henke, J.: Horizontal Laminar Air Flow and Decreased Infection Rates in Total Joint Arthroplasty. American Academy of Orthopaedic Surgery, 62nd Annual Meeting, (Poster No. D10;) New Orleans, Louisiana, February 27, 1994.
7. Moore, D., Germiller, J., GRADY-BENSON, J., Matthews, L., Goldstein, S.: Comparison of the Cement Mantle in Proximally-Restricted and Conventionally-Cemented Femoral Stems: Cement Pressure Distributions and Mantle Morphology. Orthopaedic Research Society, 40<sup>th</sup> Annual Meeting, (Poster No. 814;) New Orleans, Louisiana, February 21-24, 1994.
8. Yashar, A., Freiberg, A., Adler, R., GRADY-BENSON, J., Matthews, L.: An Ultrasound Method to Evaluate Polyethylene Thickness After Total Knee Replacement. Mid-America Orthopaedic Association's 13th Annual Meeting. (Poster No. 7;) Palm Beach, Florida, April 19-23, 1995.

#### **SCIENTIFIC PAPERS PRESENTED AT NATIONAL MEETINGS – (continued):**

9. Tannenbaum, D., GRADY-BENSON, J., Matthews, L.: Joint Replacement Infection in Renal and Liver Transplant Patients. Mid-America Orthopaedic Association's 13th Annual meeting. (Poster No. 16;) Palm Beach, Florida, April 19-23, 1995.
10. Tannenbaum, D., GRADY-BENSON, J., Matthews, L.: Joint Replacement Infection in Renal and Liver Transplant Patients. American Academy of Orthopaedic Surgery. (Poster No. 41-B;) Orlando, Florida, February 16-21, 1995.

#### **SCIENTIFIC PAPERS PRESENTED AT REGIONAL MEETINGS**

1. GRADY-BENSON, J., and DeLuca, P.: Varus Derotation Osteotomy vs. Soft Tissue Releases for the Hip at Risk in Spastic Quadriplegic Cerebral Palsy.

Northeastern Pediatric Orthopaedic Resident Conference, Newington Children's Hospital; Newington, Connecticut, June 22, 1989.

2. GRADY-BENSON, J., Schutzer, S., Jasty, M., Bragdon, C., Harris, W.: Intraoperative Femoral Fractures: Influence on Bone Ingrowth into Canine Porous Femoral Components. University of Connecticut Senior Resident Graduation; Farmington, Connecticut, June 8, 1990.
3. GRADY-BENSON, J., Schneider, J., Walker, R.: Routine Postoperative B-mode Ultrasound Scanning for the Detection of Deep Venous Thrombosis: A Survey of 110 Consecutive Total Hip and Knee Arthroplasties. California Orthopaedic Association Annual Meeting; Rancho Mirage, California, May 1-3, 1992.
4. Walker, R.H., GRADY-BENSON, J., Hanson, P.B., Otis, S.M., and Schneider, J.: Postoperative Deep Venous Thrombosis Screening, Monitoring, and Management Utilizing Duplex Ultrasonography. A survey of 110 Total hip Arthroplasties. Founder's Day, Division of Orthopaedic Surgery, Stanford University medical School; Stanford, California, June, 1992.
5. Walker, R.H., GRADY-BENSON, J., Hanson, P.B., Otis, S.M., and Schneider, J.: Postoperative Deep Venous Thrombosis Screening, Monitoring, and Management Utilizing Duplex Ultrasonography. A Survey of 60 Primary Unilateral Total Knee Arthroplasties. Founder's Day, Division of Orthopaedic Surgery, Stanford University Medical School; Stanford, California, June, 1992.

**SCIENTIFIC PAPERS PRESENTED AT REGIONAL MEETINGS – (continued):**

6. Walker, R.H., GRADY-BENSON, J., Hanson, P.B., Otis, S.M., and Schneider, j.: Postoperative Deep Venous Thrombosis Screening, Monitoring, and Management Utilizing Duplex Ultrasonography. A Survey of 110 Total Hip Arthroplasties. Grand Rounds/Research Forum, Scripps Clinic and Research Foundation; La Jolla, California, July, 1992.
7. Walker, R.H., GRADY-BENSON, J., Hanson, P.B., Otis, S.M., and Schneider, J.: Postoperative Deep Venous Thrombosis Screening, Monitoring, and Management Utilizing Duplex Ultrasonography. A Survey of 60 Primary Unilateral Total Knee Arthroplasties. Grand Rounds/Research Forum, Scripps Clinic and Research Foundation; La Jolla, California, July, 1992.
8. Thomas, P., GRADY-BENSON, J., Henke, J.: Horizontal Laminar Air Flow and

**Decreased Infection Rates in Total Joint Arthroplasty. Twenty-fifth Annual Orthopaedic Residents' Conference; University of Michigan, Ann Arbor, Michigan, March 11-14, 1993.**

9. **GRADY-BENSON, J., Oishi, C.S., Otis, S.M., Schneider, J., and Walker, R.H.: Postoperative Deep Venous Thrombosis Screening, Monitoring, and Management Utilizing Duplex Ultrasonography. A Survey of 110 Total Hip Arthroplasties. Western Orthopaedic Association Spring Meeting, San Diego Chapter; Warner Springs, California, May, 1993.**
10. **GRADY-BENSON, J., Hanson, P.B., Otis, S.M., Schneider, J., and Walker, R.H.: Postoperative Deep Venous Thrombosis Screening, Monitoring, and Management Utilizing Duplex Ultrasonography. A Survey of 60 Primary Unilateral Total Knee Arthroplasties. Western Orthopaedic Association Spring Meeting, San Diego Chapter; Warner Springs, California, May, 1993.**
11. **Thomas, P., GRADY-BENSON, J., Henke, J.: Horizontal Laminar Air Flow and Decreased Infection Rates in Total Joint Arthroplasty. Michigan Orthopaedic Society Annual Meeting; Mackinac Island, Michigan, June 17-19, 1993.**
12. **GRADY-BENSON, J., Oishi, C.S., Otis, S.M., Schneider, J., and Walker, R.H.: Postoperative Deep Venous Thrombosis Screening, Monitoring, and Management Utilizing Duplex Ultrasonography: A Survey of 110 Total Hip Arthroplasties. Grand Rounds/Research Forum, Scripps Clinic and Research Foundation; La Jolla, California, July, 1993.**

#### **SCIENTIFIC PAPERS PRESENTED AT REGIONAL MEETINGS – (continued):**

13. **GRADY-BENSON, J., Hanson, P.B., Otis, S.M., Schneider, J., and Walker, R.H.: Postoperative Deep Venous Thrombosis Screening, Monitoring, and Management Utilizing Duplex Ultrasonography. A Survey of 60 Primary Unilateral Total Knee Arthroplasties. Grand Rounds/Research Forum, Scripps Clinic and Research Foundation; La Jolla, California, July 1993.**
14. **Oishi, C.S., GRADY-BENSON, J., Otis, S.M., Colwell, C.W., Jr., and Walker, R.H.: The Natural History of Deep Venous Thrombosis After Total Hip and Total Knee Arthroplasty. Grand Rounds/Research Forum, Scripps Clinic and Research Foundation; La Jolla, California, July, 1993.**

#### **POSTERS PRESENTED AT REGIONAL MEETINGS**

1. **Moore, D., Germiller, J., GRADY-BENSON, J., Matthews, L., Goldstein, S.: Comparison of the Cement Mantle in Proximally-Restricted and**

Conventionally- Cemented Femoral Stems: Cement Pressure Distributions and Mantle Morphology. Department of Surgery Moses Gunn Annual Research Conference; University of Michigan, Ann Arbor, Michigan, May 25, 1994.

### **COMPLETED RESEARCH PROJECTS, INDUSTRY - SPONSORED**

- 1/04-4/05 Comparison of the Safety and Efficacy of Patient Controlled Analgesia Delivered by Fentanyl HCL Transdermal System Versus Morphine IV Pump for Pain Management after Primary Unilateral Total Hip Replacement. Sponsor: Ortho-McNeil Principle Investigator, Hartford Hospital, Co-Investigator with C. Lewis, M.D. UCHC John Dempsey Hospital.
- 1/05-2/06 A Phase 2, randomized, Double-Blinded (BMS-562247 and enoxaparin). Active-Controlled (enoxaparin and warfarin), Parallel-Arm, Dose-Response Study of the Oral Factor Xa Inhibitor BMS-562247 in Subjects Undergoing Elective total Knee Replacement Surgery. Sponsor: Bristol-Myers Squibb. Principle Investigator, Hartford Hospital.
- 1/05-2/06 A Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Parallel Design, 2-Arm Study to Investigate the Effect of Aprotinin on Transfusion Requirements and Blood Loss in Patients Undergoing Elective Primary Total Hip Replacement Surgery. Sponsor: Bayer, Co-Investigator with C. Lewis, M.D.

### **COMPLETED RESEARCH PROJECTS, INDUSTRY – SPONSORED-(continued)**

- 7/05-7/06 A Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy, Safety, tolerability, and Pharmacokinetics of CP-533,536 in Subjects With Closed Fracture of the Tibial Shaft. Sponsor: Pfizer. Co-Investigator with C. Lewis, M.D.

### **PREVIOUS GRANT SUPPORT**

Osteonics Corporation (Laboratory donation; Joint Mechanics Laboratory, University of Michigan "Evaluation of Artificial Joint Interface Conditions" \$37,926.00. July, 1993-January, 1996. With principle investigator: Goldstein, Stephen, Ph.D.

Zimmer-Japan Corporation, Joint Mechanics Laboratory, University of Michigan, "Evaluation of Hydroxylapatite/BIS-GMA Bone Cement for Fixation of Cemented Hip Stems" \$174,648.00 July, 1994 – April, 1995. With principle investigator: Stephen



Goldstein, PhD.

**PRESENT GRANT SUPPORT**

- June, 1998** "Evaluation of Total Cost and Functional Outcomes After Total Hip Arthroplasty;" \$50,000, Hartford Hospital Research Grant #1240-06 - Principal Investigator
- June, 1999** "The Acute Inflammatory Response and the Fat Embolism Syndrome;" \$11,300 - Hartford Hospital Research Project #127533 - Co-Investigator with George Perdrizet, M.D. Ph.D.
- August, 2000** "Geriatric Trauma: Tibial Shaft Fracture Study;" \$50,000.00 – Co Investigator with George Perdrizet, M.D., Ph.D.

**RESEARCH PROJECTS IN PROGRESS**

To be submitted for IRB review, 2006:

- **A Randomized, Double-Blind, Active and Placebo-Controlled, Parallel-Group, Multicenter Study to Evaluate the Efficacy and Safety of Multiple Doses of CG5503 Immediate-Release (IR) Formulation in the Treatment of Acute Pain From Total Hip Replacement Surgery Followed by a Voluntary Open-Labeled Extension. Sponsor:Johnson & Johnson Research and Development, Principle Investigator, Co-Investigator with C. Lewis, M.D.**
- **A Phase 3 Randomized, Double-Blind, Active-Controlled (Enoxaparin), parallel group Multi-Center Study to Evaluate the Safety and Efficacy of Oral, Once-daily Apixaban in Subjects Undergoing Elective Total Knee Replacement Surgery. Sponsor: Bristol-Myers Squibb, Principle Investigator.**

**9/06 IRB Meeting review scheduled:**

- **A Phase IIB, Randomized, Parallel Group, Double-Blind, Double-Dummy, Multi-Center, Multi-Natioinal, Multi-Dose Study of DU-176b Compared to Dalteparin in Patients Undergoing Elective Unilateral Total Hip Replacement. Sponsor: Daiichi Sankyo, Co-Investigator with C. Lewis, M.D.**

