

## *Michael Joseph Grecula, MD*

### **EDUCATION**

- 6/80 - 5/86 Kent State University, Bachelor of Science, Combined BS/MD Program  
Magna Cum Laude
- 9/82 - 5/86 Northeastern Ohio Universities College of Medicine, Doctor of Medicine
- 7/86 - 6/87 Internship - General Surgery, Southern Illinois University School of Medicine
- 7/87 - 6/91 Residency - Orthopaedic Surgery, Southern Illinois University School of Medicine
- 8/91 - 8/93 Fellowship - Adult Reconstructive Surgery of Hip, Knee, and Shoulder, Orthopaedic Hospital

### **PROFESSIONAL AND TEACHING EXPERIENCE**

- 9/93 - 12/93 Interim Medical Staff, Orthopaedic Hospital, Los Angeles, California
- 1/94 – 3/95 Assistant Professor and Chief Section of Arthroplasty, Division of Orthopaedics, Department of Surgery, UTMB
- 3/95 – 8/02 Assistant Professor and Chief Division of Arthroplasty, Department of Orthopaedics and Rehabilitation, UTMB
- 9/02 – 9/05 Associate Professor, Tenured, and Chief Division of Arthroplasty, Department of Orthopaedics and Rehabilitation, UTMB
- 9/05 – current Associate Professor, Tenured, Department of Orthopaedics and Rehabilitation, UTMB

### **CERTIFICATION AND LICENSURE**

- 1987 Diplomat National Board of Medical Examiners
- 7/95 Diplomat of the American Board of Orthopaedic Surgery
- 1/06 Recertified American Board of Orthopaedic Surgery
- 1988-present Advanced Trauma Life Support – Instructor
- 1994-present Basic Cardiopulmonary Resuscitation
- 7/88-present Physician and Surgeon License, State of Illinois
- 6/91-present Physician and Surgeon License, State of California
- 3/94-present Physician and Surgeon License, State of Texas

**MEMBERSHIP IN SCIENTIFIC SOCIETIES****A. INTERNATIONAL**

1999-present Société International de Chirurgie Orthopédique et de Traumatologie - Elected

**B. NATIONAL**

1982-present American Medical Association  
 1986-present Alpha Omega Alpha Honor Society - Elected  
 1989-97 American Academy of Orthopaedic Surgeons - Candidate member  
 1997-present American Academy of Orthopaedic Surgeons - Fellow - Elected  
 1999-present American Association of Orthopaedic Surgeons – Fellow  
 2003-present Association of Bone and Joint Surgeons - Elected

**C. REGIONAL**

1982-86 Ohio State Medical Association  
 1990-91 Illinois State Medical Association  
 1994-present Texas Medical Association  
 1994-present Texas Orthopaedic Association  
 1996-present Southern Orthopaedic Association

**D. LOCAL**

1982-86 Summit County Medical Association  
 1990-91 Sangamon County Medical Association  
 1994-present G.W.N. Eggers Society  
 1994-present Galveston County Medical Society  
 1994-present Singleton Surgical Society  
 1996-present Houston Orthopaedic Society  
 1999-2000 Houston Orthopaedic Society, Elected Secretary-Treasurer

**AWARDS/ RECOGNITIONS**

1980 Ohio State Board of Regents Scholarship  
 1982 Mortar Board Honor Society - Kent State University  
 1986 Alpha Omega Alpha Honor Medical Society - Northeastern Ohio Universities College of Medicine  
 1986 Service to Community Award - Northeastern Ohio Universities College of Medicine  
 1997 Nomination to Who's Who in Medicine and Healthcare  
 1998 Recognized by Medical Director of Clinical Affairs of the University of Texas Medical Branch for repeat positive responses by patients on patient satisfaction surveys.  
 1999 Best Patient Care Poster: Schroeder, F.A., Kreuzer, S., Buford, W.L., Jr., and Grecula, M.J.: Characteristics of Cement Mantles in Impaction Grafting, UTMB Summer Research Forum, Galveston, Texas, June 17, 1999.  
 1999 Second Place Poster Presentation: Grecula, M.J., Morris, R.P., Buford, W.L., Jr., and Patterson, R.M.: Quantification of Femoral Surface Strain by Computer Analysis of the Photoelastic Method, International Hip Congress '99, Chirurgie de la Hanche, Toulouse, France, September 29 – October 1, 1999.

- 1999 Recognized in Total Hip Benchmark Study. UTMB's total hip replacement services when compared to expected national averages showed costs were 25% below expected, length of stay was 15% below expected, and rates of complications of care were 78% below expected with significant lower mortality and re-admissions rates.
- 2000 NSRF Department of Orthopaedics Best Poster Award: Schroeder, F.A., Kreuzer, S., Buford, W.L., Jr., and Grecula, M.J.: Characteristics of Cement Mantles in Impaction Grafting, National Student Research Forum, Galveston, Texas, April 6-8, 2000.
- 2000 Third Place Oral Paper Presentation: Kreuzer, S., Grecula, M.J., and Schroeder, F.A.: Characteristics of Cement Mantle Thickness in Impaction Grafting. Texas Orthopaedic Association 2000 Annual Meeting, San Antonio, Texas, May 25-27, 2000.
- 2001 Runner Up Poster Award in Recognition of Creative Endeavor and Achievement in Research: Morris, R.P., Kreuzer, S., Schroeder, F.A., Popejoy, A., Buford, W.L., Jr., and Grecula, M.J.: 3D Computer Characterization of the Cement Mantle in Revision Total Hip Arthroplasty. Houston Society for Engineering in Medicine and Biology 19<sup>th</sup> Annual Conference, Houston, Texas, February 8-9, 2001.
- 2002 Best Community Based Poster Award: Natividad, T.T. and Grecula, M.J.: Impaction Allografting of the Proximal Femur in Revision Hip Arthroplasty: A 5-Year Follow-up Evaluation. Medical Student Summer Research Program, University of Texas Medical Branch, Galveston, Texas, June 2002.
- 2002 Second Place Poster Presentation: Grecula, M.J., Schroeder, M.D., Kreuzer, S., Morris, R.P., and Buford, W.L., Jr., 3D Computer Characterization of the Cement Mantle in Revision Total Hip Arthroplasty. International Hip Congress 2002, Chirurgie de la Hanche, Toulouse, France, October 2 – 4, 2002
- 2005 First Annual Spotlight on Caring Award, University of Texas Medical Branch, Galveston, Texas, April 2005
- 2008 Best Overall Clinical Sciences Poster Award: Hawkins, J.K., Buford, W.L., Grecula, M.J., Specimen Specific Muscle Strain During Minimally Invasive Total Hip Arthroplasty. 2008 UTMB Medical Student Summer Research Program, University of Texas Medical Branch, Galveston, Texas, June 2008.

### **EDITORIAL BOARDS, REVIEW COMMITTEES, AND ELECTED OFFICES**

- 1999-2003 Editorial Board, Journal of the Southern Orthopaedic Association
- 1994-present National Student Research Forum Abstract Reviewer
- 1999 Resident Research Award Review Committee, Houston Orthopaedic Society
- 1999-00 Secretary-Treasurer, Houston Orthopaedic Society
- 2003-present Editorial Board, Journal of Surgical Orthopaedic Advances
- 2004-present Clinical Orthopaedics and Related Research, Reviewer
- 2008-present Clinical Orthopaedics and Related Research Board of Trustees, Active Member at Large

### **UTMB COMMITTEE RESPONSIBILITIES:**

- 1994-95 Operative and Other Invasive Procedures Committee
- 1994-present Multidisciplinary Trauma Committee
- 1994-96 Supply Cost Reduction Task Force
- 1995-96 Orthopaedic Surgery Critical Path Team
- 1996-99 Transfusion Committee
- 1996-2003 Rehabilitation Peer Review Committee
- 1996-97 DVT Prophylaxis Critical Pathway Team

1996-97	Geriatric Hip Trauma Patient Care Team (for JCAHO review)
1996-99	Resident Training and Review Committee, Dept. of Orthopaedics and Rehabilitation
1997-99	Institutional Committee on Slips and Falls
1997-98	UHC North Entrance Project Committee
1998-05	Research Task Force, Department of Orthopaedics and Rehabilitation
1998-2004	Order Entry Issue Resolution Committee
2000-2001	ClinWeb EMR Development, SOAP Sub-Committee
2000-2002	Clinical Leadership Briefing
2001-2002	ClinWeb EMR Development, D/C Summary Sub-Committee
2001-2002	Anticoagulation CPI Team
2002-present	Pain Management Committee
2003	Surgical Infection Prevention Team
2003-present	EMR Medical Management Model Committee
2004-present	Order Entry Inpatient Transition Team

## **TEACHING RESPONSIBILITIES**

### **A. UTMB SCHOOL OF MEDICINE**

1994-present	Director, A/I elective in Orthopaedic Surgery – Pelvis, Hip, Knee
1994-present	Instruction and supervision of 3 <sup>rd</sup> and 4 <sup>th</sup> year students during orthopedic rotation, including clinic, ward and operating room experience
1994-present	Lecture and small group discussion for 3 <sup>rd</sup> and 4 <sup>th</sup> year students on Arthroplasty service
1994-present	National Student Research Forum Abstract Reviewer
1994-present	Mentor for 4 <sup>th</sup> year students interested in Orthopaedic career
1994-present	Mentor for Research Electives (3 <sup>rd</sup> and 4 <sup>th</sup> year students)
1998-present	Mentor for Student Summer Research Program (2 <sup>nd</sup> year students)

### **B. UTMB DEPARTMENT OF ORTHOPAEDICS AND REHABILITATION**

1994-present	Regular presentations at Grand Rounds
1994-present	Monthly Journal Club
1994-present	Weekly arthroplasty conference
1994-present	Orthopaedic in-training review
1994-present	Resident teaching/ supervision in operating room, clinic and hospital wards
1999-present	Resident curriculum development for arthroplasty, trauma, and basic science courses
1995-present	Mentor for resident research projects

### **C. UTMB SCHOOL OF ALLIED HEALTH SCIENCES**

1994-present	Lectures for physical therapy students Evaluation and Treatment of Injuries to the Pelvis and Hip Diagnosis and Treatment of Diseases of the Hip
2005	Lecture for Physician Assistant Students Principles of the Orthopedic Physical Exam
1994-present	Ward and Surgical instruction for Occupational and Physical therapy students
1994-present	Ward and Surgical instruction for Physician Assistant Students

### **D. UTMB COMMUNITY OUTREACH PROGRAM**

Provide CME Activity to Regional Hospitals/ Clinics

**E. OTHER**

- 1/94 Site Moderator for National Satellite Teleconference, Controversies in Orthopaedics: HA Fact vs Fiction.
- 1994- present American College of Surgeons, ATLS (Advanced Trauma Life Support) Instructor  
2001 American Academy of Orthopaedic Surgeons, developed cases for online course in treatment choices for infected total joint replacements

**A. FUNDED RESEARCH PROJECTS**

1. Principal Investigator: A Double-blind, Placebo Controlled Clinical Trial Comparing the Efficacy and Safety of Prolonged Outpatient Enoxaparin and Placebo Therapies in the Prevention of Venous Thromboembolic Disease in Patients Undergoing Elective Primary Hip or Knee Replacement.  
Source: Rhone-Poulenc Rorer, Complete, 11/94 - 11/95
2. Principal Investigator: Development of a Computer Analysis Technique for Strain Patterns on the Femoral Surface After Total Hip Arthroplasty Using the Photoelastic Method.  
Source: John Sealy Endowment Fund, Complete, 4/30/96 - 11/30/97
3. Principal Investigator: Multicenter Trial of the Metasul System When Used with the APR Acetabular Shell and Natural Hip Porous Femoral Stem in Cementless Total Hip Arthroplasty.  
Source: Intermedics Orthopedics, Inc., In Progress, 5/96 - Present
4. Principal Investigator: Multicenter, Multinational, Randomized, Double-Blind Comparison of Subcutaneous SR90107/ORG31540 with Enoxaparin in the Prevention of Deep Vein Thrombosis and Symptomatic Pulmonary Embolism after Elective Hip Replacement or a Revision.  
Source: Sanofi, Complete, 2/99 – 2/00
5. Principal Investigator: Prospective Randomized IDE Study of the Reflection Ceramic-Ceramic Hip System in Total Hip Arthroplasty  
Source: Smith & Nephew, Inc., In Progress, 3/99 - Present
6. Principal Investigator: Quantification of Femoral Surface Strain After Total Hip Arthroplasty  
Source: Zimmer, Inc., Complete, 8/99 – 10/03
7. Principal Investigator: A Randomized, Double-Blind, Comparative Study of H376/95 and Enoxaparin (Lovenox®) for the Prevention of Venous Thromboembolism Following Total Hip Arthroplasty  
Source: AstraZeneca, Complete, 6/00 – 5/01
8. Principal Investigator: Conserve Plus® Total Resurfacing Hip System Multi-Center IDE Study  
Source: Wright Medical, In Progress, 4/01 – Present
9. Investigator: A Phase II Study to Evaluate Recombinant Human Hemoglobin (rHb1.1) as a Transfusion Therapy in Elective Surgery Patients  
Principal Investigator: D. Solanki, FRCA  
Source: Abbott Laboratories, Complete – 2/95 – 1/96
10. Investigator: A Double-blind Randomized Study to Evaluate the Safety of Recombinant Human Hemoglobin (rHb1.1) Compared to Blood Transfusion Therapy in Elective Surgery  
Principal Investigator: D. Solanki, FRCA

Source: Eli Lilly and Company, Complete – 1/96 – 1/97

11. Investigator: Muscle Protein Metabolism in Response to Hip Fracture in Elderly Patients.  
Principal Investigator: Robert R. Wolfe  
Source: NIH/NIA, Complete - 11/96 – 11/97
12. Investigator: The Use of Diaspirin Cross-Linked Hemoglobin (DCLHB) for the Avoidance or Reduction of Perioperative Blood Transfusions.  
Principal Investigator: Mali Mathru, M.D  
Source: Baxter Healthcare, Complete 11/97 – 11/98
13. Investigator: Open Label, Randomized Multicenter Phase III Study of Intravenous Synercid® 7.5mg/kg every Eight Hours and Standard Therapy in the Treatment of 150 Adult Patients with Infected Prosthetic Joints  
Principal Investigator: Jon T. Mader, M.D.  
Source: Aventis (Rhone-Poulenc Rorer), Complete 1/00 – 1/01
14. Investigator: The Safety and Efficacy of Electrotransport (E-TRANS®) Fentanyl Compared to IV PCA Morphine for the Treatment of Post-Operative Pain  
Principal Investigator: D. Solanki FRCA  
Source: Alza Corporation, Complete 11/00 – 11/01
15. Principal Investigator: An Experimental Canine Model of Endosteal Avascular Necrosis Induced by Deep Freezing and Bone Regeneration  
Source: Howmedica Osteonics Corporation, Complete 12/01 - 12/03
16. Investigator: Efficacy and Safety of 6% Hydroxyethyl Starches HES 130/0.4 (Voluven®) vs HES 450/0.7 (Hetastarch) in Volume Substitution Therapy during Major Orthopedic Surgery  
Principal Investigator: Donald S. Prough, M.D.  
Source: Fresenius Kabi, Complete 12/01 – 12/02
17. Investigator: A Retrospective Chart Review Study to Assess the Adequacy of Post-Fracture Care in Women who are at a High Risk for Osteoporosis  
Principal Investigator: Jason H. Calhoun, M.D  
Source: Merck, Complete 12/01 - 5/02
18. Investigator: Restoration of Muscle Function Following Hip Surgery  
Principal Investigator: Arny A. Ferrando, Ph.D.  
Source: NIH/NIGMS, Complete 11/01 – 6/05
19. Investigator: The Role of Music in Alleviating Stress in Hip Surgery Patients  
Principal Investigator: Jamal Islam, M.D.  
Source: sub-project of NIH/NIA grant “Psychoneuroimmunology, Stress, and Healthy Aging in Hispanics, Complete 8/05 – 8/06

**PUBLICATIONS: PEER REVIEWED MANUSCRIPTS**

1. Amstutz, H.C., and Grecula, M.J.: Prevention of Thromboembolic Disease with Warfarin. SEMINARS IN ARTHROPLASTY, 3(2):99-107, April 1992.
2. Grecula, M.J., Grigoris, P., and Amstutz, H.C.: The Hip in Gaucher's Disease. GAUCHER CLINICAL PERSPECTIVES, 2(1):1-5, March 1994.
3. Schmalzried, T.P., Guttman, D., Grecula, M.J., and Amstutz, H.C.: The Relationship between the Design, Position, and Articular Wear of Acetabular Components Inserted without Cement and the Development of Pelvic Osteolysis. J. BONE JOINT SURG., 76A:677-688, May 1994.
4. Amstutz, H.C., Grigoris, P., Safran, M.R., Grecula, M.J., Campbell, P.A., and Schmalzried, T.P.: Precision-Fit Surface Hemiarthroplasty for Femoral Head Osteonecrosis. Long Term Results. J. BONE JOINT SURG., 76B:423-427, May 1994.
5. Grigoris, P., Grecula, M.J., and Amstutz, H.C.: "Tripolar" Hip Replacement for Recurrent Prosthetic Dislocation. CLIN. ORTHOP., 304:148-155, July 1994.
6. Grigoris, P., Grecula, M.J., and Amstutz, H.C.: Dislocation of a Total Hip Arthroplasty Caused by Iliopsoas Tendon Displacement. CLIN. ORTHOP., 306:132-135, Sept. 1994.
7. Grigoris, P., Grecula, M.J., and Amstutz, H.C.: Hip Arthroplasty in Gaucher's Disease. HIP INTERNATIONAL, 5(1):25-30, 1995.
8. Grecula, M.J., Grigoris, P., Schmalzried, T.P., Dorey, F., Campbell, P.A., and Amstutz, H.C.: Endoprostheses for Osteonecrosis of the Femoral Head. A Comparison of Four Models in Young Patients. INTERNATIONAL ORTHOPAEDICS, 19(3):137-43, 1995.
9. Lieberman, J.R., Wollaeger, J., Dorey, F., Thomas, B.T., Kilgus, D.J., Grecula, M.J., Finerman, G.A., and Amstutz, H.C.: The Efficacy of Prophylaxis with Low-Dose Warfarin, for Prevention of Pulmonary Embolism following Total Hip Arthroplasty. J. BONE JOINT SURG., 79A:319-325, March 1997.
10. Grecula, M.J., Morris, R.P., Laughlin, J.C., Buford, W.L., Jr., and Patterson, R.M.: Femoral Surface Strain in Intact Composite Femurs: A Custom Computer Analysis of the Photoelastic Coating Technique. IEEE Transactions on Biomedical Engineering, 47(7):926-933, July 2000.
11. Shulman, G., Grecula, M.J., and Hadjipavlou, A.G.: Intraoperative autologous transfusion in total hip arthroplasty. CLIN. ORTHOP., 396:119-130, March 2002.
12. Grecula, M.J., Thomas, J.A., and Kreuzer, S.W.: Impact of Implant Design on Femoral Head Hemiresurfacing Arthroplasty. CLIN. ORTHOP. 418:41-47, January 2004.
13. Grecula, M.J.: Resurfacing Arthroplasty in Osteonecrosis of the Hip. ORTHOP. CLIN. NORTH AM. 36(2):231-42, April 2005.
14. Grecula, M.J., Caban, M.E.: Orthopedic Problems in the Elderly. J.AM. COLL. SURG. 200(5):774-83, May 2005.

15. Nguyen-Oghalai, T.U., Ottenbacher, K.J., Caban, M., Granger, C., Grecula, M.J., Goodwin, J.S.: The Impact of Rheumatoid Arthritis on Rehabilitation Outcomes Following Lower Extremity Arthroplasty. *J. CLIN. RHEUMATOL.* (in press).
16. Mont, M.A., Ulrich, S.D., Amstutz, H.C., Beaulé, P.E., Boyd, H.S., Grecula, M.J., Goldberg, V.M., Kennedy, W.R., Marker, D.R., Schmalzried, T.P., Sparling, E.A., Vail, T.P., Seyler, T.M.: Learning Curve Effects on Metal-on-Metal Total Hip Resurfacing Arthroplasties. *CLIN. ORTHOP.* (in press).

### **PUBLICATIONS – BOOKS OR CHAPTERS**

1. Amstutz, H.C. and Grecula, M.J.: Total Hip Arthroplasty and Treatment Alternatives for Arthritis of the Hip: A Manual for Prospective Patients, February 1993.
2. Amstutz, H.C., Grigoris, P., and Grecula, M.J.: Anthropometric Total Hip Press Fit in Revision Surgery. *In* Total Hip Revision Surgery, J.O. Galante, A.G. Rosenberg, and J.J. Callaghan (editors), Raven Press Publishing, New York, New York, 1995.

### **PUBLICATIONS – PEER REVIEWED ABSTRACTS AND LETTERS**

1. Grecula, M.J., and Brien, W.W.: Revision Total Hip Arthroplasty in the Rheumatoid Patient. *ORTHOP. TRANS.*, 15(3):622, 1991.
2. Amstutz, H.C., Grecula, M.J., Chow, G.H., and Dorey, F.J.: Dual Geometry Cementless Versus Cemented Acetabular Components in Hip Surface Replacement. *ORTHOP. TRANS.*, 16(3):703, 1992.
3. Amstutz, H.C., Grecula, M.J., Johnston-Jones, K, and Mai, M.T.: Can Rigid Fixation Be Achieved with Smooth Press Fit Stems: Indications and Results of Anthropometric Total Hip. *ORTHOP. TRANS.*, 17(1):244, 1993.
4. Schmalzried, T.P., Guttman, D., Grecula, M.J., and Amstutz, H.C.: Cementless Acetabular Component Design, Position, and Polyethylene Wear in the Development of Acetabular Osteolysis. *ORTHOP. TRANS.*, 17(3):583, 1993.
5. Grecula, M.J., Schmalzried, T.P., Grigoris, P., Guttman, D., and Amstutz, H.C.: Osteolysis in Hip Resurfacing Arthroplasty: Clinical Model of the Effective Joint Space. *ORTHOP. TRANS.*, 17(3):583, 1993.
6. Mai, M.T., Grecula, M.J., and Amstutz, H.C.: Survivorship of Hip Arthroplasties With High Polyethylene Wear: Suggestion of Polyethylene-Intolerant Sub-Population. *ORTHOP. TRANS.*, 17(3):789, 1993.
7. Grecula, M.J., Schmalzried, T.P., Amstutz, H.C., and Dorey, F.J.: Pulmonary Emboli After Hospital Discharge: A True Risk After Hip Arthroplasty. *ORTHOP. TRANS.*, 17(4):995, 1994.
8. Grecula, M.J., Amstutz, H.C., Schmalzried, T.P., Mai, M.T., and Campbell, P.A.: Prosthetic Solutions for Osteonecrosis: A Comparison of Four Models. *ORTHOP. TRANS.*, 17(4):1087, 1994.
9. Grecula, M.J., Grigoris P., Brown, I., Dorey, F., Nasser, S., and Amstutz, H.C.: The Durability of Cemented Total Hip Arthroplasty in Patients Over Sixty: A Fifteen Year Survivorship Analysis. *ORTHOP. TRANS.*, 18(4):1083, 1994.

10. Grigoris, P., Grecula, M.J., and Amstutz, H.C.: Maximum Ball Radius Hip for Total Hip Arthroplasty Dislocation. ORTHOP. TRANS., 18(3):872, 1994.
11. Grecula, M.J., Grigoris, P., and Amstutz, H.C.: Precision Fit Surface Hemiarthroplasty for Femoral Head Osteonecrosis. ORTHOP. TRANS., 18(3):873, 1994.
12. Amstutz, H.C., Grecula, M.J., and Grigoris, P.: Primary and Revision Hip Arthroplasty with the ATH Smooth Press Fit Stem. ORTHOP. TRANS., 18(3):874, 1994.
13. Grecula, M.J., Grigoris, P., Brown, I., Dorey, F., and Amstutz, H.C.: Durability of Cemented Total Hip Arthroplasty in Patients Over Sixty: A Fifteen Year Survivorship Analysis. ORTHOP. TRANS., 18(3):875, 1994.
14. Schmalzried, T.P., Guttman, D., Grecula, M.J., and Amstutz, H.C.: The Relationship between the Design, Position, and Articular Wear of Acetabular Components Inserted without Cement and the Development of Pelvic Osteolysis. (Reply letter to editor) J. BONE JOINT SURG., 77A:1290-1291, August 1995.
15. Laughlin, J.C., Buford, W.L., Jr., Grecula, M.J., Stark, T., and Morris, R.P.: A Photoelastic Study Of Femoral Strain Distributions After Implantation With Various Cementless Hip Designs. ORTHOP. TRANS., 20(4):946, 1997.
16. Grecula, M.J., Morris, R.P., Laughlin, J.C., and Buford, W.L., Jr.: Development of a Computer Analysis Technique for Strain Patterns on the Femoral Surface After Total Hip Arthroplasty Using the Photoelastic Method. ORTHOP. TRANS., 21(1):372, 1997.
17. Morris, R.P., Grecula, M.J., Buford, W.L., Jr., and Patterson, R.M.: A Photoelastic and Computer Analysis Technique for Quantification of Femoral Strain Distribution after Cementless Stem Implantation. Proceedings, American Society of Mechanical Eng. Summer Bioengineering Conference, p. 53-54, 1997.
18. Morris, R.P., Grecula, M.J., Buford, W.L., Jr., and Patterson, R.M.: Quantification of Femoral Surface Strain After Cementless Stem Implantation by Computer Analysis of the Photoelastic Method. Proceedings, American Society of Mech. Engineering Winter Meeting, p. 139-140, November, 1997.
19. Morris, R.M., Grecula, M.J., Buford, W.L., and Patterson, R.M.: Quantification of Femoral Surface Strain by Computer Analysis of the Photoelastic Method. Proceedings, American Society of Mechanical Engineers Winter Meeting, p. 225-226, November 1998.
20. Grecula, M.J., Kreuzer, S., Peterson, S., and Rivera, E.: Surface Hemiarthroplasty for Femoral Head Osteonecrosis. Journal of the Southern Orthopaedic Association, 8(2):123, 1999.
21. Grecula, M.J. and Dutta, A.: Anatomy of the Acetabular Labrum: A Cadaveric Study. Journal of the Southern Orthopaedic Association, 8(2):125, 1999.
22. Morris, R.M., Grecula, M.J., and Buford, W.L., Jr.: Femoral Surface Strain Before and After Cementless Stem Implantation: A Computer Analysis of the Photoelastic Method. ASME, BED 42:663-664, 1999.
23. Morris, R.P., Grecula, M.J., Buford, W.L., Jr., and Patterson, R.M.: Femoral Surface Strain Before and After Cementless Stem Implantation: A Computer Analysis of the Photoelastic Method. Proceedings, 17<sup>th</sup> Annual Houston Conference on Biomedical Engineering Research, p. 96, 1999.

24. Grecula, M.J., Morris, R.P., Laughlin, J.C., Buford, W.L., Jr., and Patterson, R.M.: Femoral Surface Strain in Intact Composite Femurs: A Custom Computer Analysis of the Photoelastic Coating Technique. (Reply Letter to Editor), IEEE Transactions on Biomedical Engineering, 48(8):945, August 2000.
25. Morris, R.P., Grecula, M.J., Buford, W.L., Jr., and Patterson, R.M.: Evaluation of Synthetic Composite Femur Bones for Use in Hip Prostheses Studies: A Photoelastic Study. Proceedings, 25<sup>th</sup> Annual Conference, Am. Society of Biomechanics, p. 167-68, August 2001.
26. Grecula, M.J., and Miller, B.: Metal on Metal Total Hip Replacement: Early Results. Journal of the Southern Orthopaedic Association, 11(1):47, 2002.
27. Grecula, M.J., Schroeder, M.D., Kreuzer, S., Morris, R.P., and Buford, W.L., Jr.: 3D Computer Characterization of the Cement Mantle in Revision Total Hip Arthroplasty. Proceedings of the International Hip Congress 2002, October 2002.
28. Buford, W.L., Grecula, M.J., Anderson, C.R., Norcross, J.P., Potter, S.M.: Muscle Strain During Simulated Hip Arthroplasty. Proceedings of the 5<sup>th</sup> Combined Meeting of the Orthopaedic Research Societies of Canada, USA, Japan, and Europe, p 253, October 2004.
29. Grecula, M.J., Buford, W.L. Jr., and Norcross, J.P.: Muscle Strain During Simulated Total Hip Arthroplasty. Proceedings of the 57<sup>th</sup> Annual Meeting of the Association of Bone and Joint Surgeons, page 72, June 2005.
30. Buford, W.L., Grecula, M.J., Anderson, C.R., Norcross, J.P.: Simulating Muscle Strain Due to Total Hip Arthroplasty. Proceedings of the ASME Summer Bioengineering Conference, June 2005.
31. Grecula, M.J., Carmichael, K.D., Zhang, R., Baker, S.M., Yang, J., Dimaano, N., and Hawkins, M.: An Experimental Canine Model of Endosteal Osteonecrosis Induced by Deep Freezing. Proceedings of the 58<sup>th</sup> Annual Meeting of the Association of Bone and Joint Surgeons, page 107, April 2006.

### **VISITING PROFESSOR INVITATIONS**

1. Alternatives to Total Hip Replacement, University of Texas Health Science Center at Houston, Department of Orthopaedics Grand Rounds, Houston, Texas, March 27, 1997.
2. Alternate Bearing Surfaces for Hip Replacement. Dayton Orthopaedic Society, Dayton, Ohio, September 19, 2000.
3. Alternatives to Total Hip Arthroplasty for the Young Patient. Orthopaedic Grand Rounds, Wright State University, Dayton, Ohio, September 20, 2000.
4. Alternate Bearing Surfaces for Total Hip Replacement, University of Texas Health Science Center at Houston, Department of Orthopaedics Grand Rounds, Houston, Texas, June 7, 2001.
5. Alternate Bearing Surfaces for Total Hip Replacement, University of Texas Health Science Center at Houston, Department of Orthopaedics Grand Rounds, Houston, Texas, September 25, 2003
6. Bearing Options for Total Hip Replacement, Baylor College of Medicine, Department of Orthopedic Surgery Grand Rounds, Houston, Texas, November 18, 2005.

**PRESENTATIONS - INTERNATIONAL OR NATIONAL MEETINGS – PEER REVIEWED**

1. Grecula, M.J. and Brien, W.W.: Revision Total Hip Arthroplasty in the Rheumatoid Patient. American Orthopaedic Association 1991 Residents Conference, Kansas City, Kansas, April 1991, Oral presentation.
2. Grecula, M.J., Schmalzried, T.P., Amstutz, H.C., and Dorey, F.J.: Pulmonary Emboli After Hospital Discharge: A True Risk After Hip Arthroplasty. 60th Annual Meeting of American Academy of Orthopaedic Surgeons, San Francisco, California, February 1993, Oral presentation.
3. Grecula, M.J.: Thromboembolism After Total Joint Arthroplasty, Presented as portion of Instructional Course Lecture: Discrepancies in the Orthopaedic Literature, Why? A Statistical Review. 60th Annual Meeting of American Academy of Orthopaedic Surgeons, San Francisco, California, February 1993, Oral presentation.
4. Grecula, M.J., Guttman, D., Schmalzried, T.P., and Amstutz, H.C.: Osteolysis in Hip Resurfacing Arthroplasty: Clinical Model of the Effective Joint Space. 106th Annual Meeting of American Orthopaedic Association, Coronado, California, June 1993, Oral presentation.
5. Grecula, M.J., Schmalzried, T.P., Guttman, D., and Amstutz, H.C.: Cementless Acetabular Component Design, Position, and Articular Wear in the Development of Pelvic Osteolysis. 19th World Congress SICOT, Seoul, Korea, August 28 - September 3, 1993, Oral presentation.
6. Grecula, M.J., Nasser, S., Dorey, F.J., and Amstutz, H.C.: The Durability of Cemented Total Hip Replacements in Older Patients. 19th World Congress SICOT, Seoul, Korea, August 28 - September 3, 1993, Oral presentation.
7. Grecula, M.J., Grigoris P., Brown, I., Dorey, F., Nasser, S., and Amstutz, H.C.: Durability of Cemented Total Hip Arthroplasty in Patients Over Sixty: A Fifteen Year Survivorship Analysis. 61st Annual Meeting of American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, February 1994, Oral presentation.
8. Grecula, M.J., Grigoris, P., and Amstutz, H.C.: Precision Fit Surface Hemiarthroplasty for Femoral Head Osteonecrosis. 58th Annual Meeting of Western Orthopaedic Association, Long Beach, California, August 1994, Oral presentation.
9. Grecula, M.J., Grigoris, P., Brown, I., Dorey, F., and Amstutz, H.C.: Cemented THA Durability in Patients Over 60. 58th Annual Meeting of Western Orthopaedic Association, Long Beach, California, August 1994, Oral presentation.
10. Grecula, M.J., and Morris, R.P.: Development of a Computer Analysis Technique for Strain Patterns on the Femoral Surface after Total Hip Arthroplasty Using the Photoelastic Method. 64<sup>th</sup> Annual Meeting of American Academy of Orthopaedics Surgeons, San Francisco, California, February 13-17, 1997, Poster presentation.
11. Grecula, M.J., Morris, R.P., Buford, W.L., Jr., and Patterson, R.M.: Quantification of Femoral Surface Strain by Computer Analysis of the Photoelastic Method. Twenty-first World Congress SICOT, Sydney, Australia, April 18-23, 1999, Poster presentation and Oral discussion.

12. Grecula, M.J., Jensen, R.E., Hadjipavlou, A.G., and Nicodemus, C.L.: Biomechanical Characteristics and Pitfalls of Cervical Axis Lateral Mass Plate Fixation. Twenty-first World Congress SICOT, Sydney, Australia, April 18-23, 1999, Oral Presentation.
13. Grecula, M.J., and Dutta, A.: Anatomy of the Acetabular Labrum: A Cadaveric Study. International Hip Congress '99 Chirurgie de la Hanche, Toulouse, France, September 29 – October 1, 1999, Oral presentation.
14. Grecula, M.J., Kreuzer, S., Peterson, S., and Rivera, E.: Surface Hemiarthroplasty for Femoral Head Osteonecrosis. International Hip Congress '99 Chirurgie de la Hanche, Toulouse, France, September 29 – October 1, 1999, Oral presentation.
15. Grecula, M.J., Morris, R.P., Buford, W.L., Jr., and Patterson, R.M.: Quantification of Femoral Surface Strain by Computer Analysis of the Photoelastic Method. International Hip Congress '99 Chirurgie de la Hanche, Toulouse, France, September 29 – October 1, 1999. Awarded Second Place Poster presentation.
16. Grecula, M.J., Morris, R.P., Buford, W.L., Jr., and Patterson, R.M.: Femoral Surface Strain: A Computer Analysis of the Photoelastic Method. 93<sup>rd</sup> Annual Scientific Assembly of the Southern Medical Association, Section on Orthopaedic and Trauma Surgery, Dallas, Texas, November 10-14, 1999, Oral presentation.
17. Grecula, M.J. and Miller, B.: Metal on Metal Total Hip Replacement: Early Results. Southern Orthopaedic Association Annual Meeting, Florence, Italy, April 2-7, 2002, Oral presentation.
18. Grecula, M.J., Thomas, J., and Kreuzer, S.: Impact of Implant Design on Results of Surface Hemiarthroplasty of the Hip. Twenty-second World Congress SICOT, San Diego, California, August 23-30, 2002, Poster Presentation.
19. Grecula, M.J. and Miller, B.: Metal on Metal Total Hip Arthroplasty: Early Results. Twenty-second World Congress SICOT, San Diego, California, August 23-30, 2002, Poster Presentation.
20. Grecula, M.J. and Miller, B.: Metal on Metal Total Hip Arthroplasty: Early Results. 5<sup>th</sup> Annual Symposium on Alternate Bearing Surfaces in Total Joint Replacement, New York, New York, September 27-28, 2002, Oral Presentation.
21. Grecula, M.J. and Miller, B.: Metal on Metal Total Hip Arthroplasty: Early Results. International Hip Congress 2002, Chirurgie de la Hanche, Toulouse, France, October 2-4, 2002, Oral Presentation.
22. Grecula, M.J., Thomas, J., and Kreuzer, S.: Impact of Implant Design on Results of Hemiresurfacing Hip Arthroplasty. International Hip Congress 2002, Chirurgie de la Hanche, Toulouse, France, October 2-4, 2002, Poster Presentation.
23. Grecula, M.J., Schroeder, M.D., Kreuzer, S., Morris, R.P., and Buford, W.L., Jr., 3D Computer Characterization of the Cement Mantle in Revision Total Hip Arthroplasty. . International Hip Congress 2002, Chirurgie de la Hanche, Toulouse, France, October 2-4, 2002, Poster Presentation.
24. Grecula, M.J. and Klimisch, T.L., PA-C: Prospective Controlled Study of Metal/Metal vs. Ceramic/Ceramic Bearings in Total Hip Arthroplasty. 56<sup>th</sup> Annual Meeting of the Association of Bone and Joint Surgeons, Nashville, Tennessee, June 16-20, 2004, Oral Presentation.

25. Grecula, M.J., Schroeder, F.A., Kreuzer, S., Morris, R.P., and Buford, W.L., Jr.: 3-D Computer Characterization of the Cement Mantle in Revision Total Hip Arthroplasty. 56<sup>th</sup> Annual Meeting of the Association of Bone and Joint Surgeons, Nashville, Tennessee, June 16-20, 2004, Oral Presentation.
26. Grecula, M.J., Buford, W.L. Jr., and Norcross, J.P.: Muscle Strain During Simulated Total Hip Arthroplasty. 57<sup>th</sup> Annual Meeting of the Association of Bone and Joint Surgeons, Carmel, California, June 8-12, 2005, Oral Presentation.
27. Grecula, M.J., Carmichael, K.D., Zhang, R., Baker, S.M., Yang, J., Diamaano, N., and Hawkins, M.: An Experimental Canine Model of Endosteal Osteonecrosis Induced by Deep Freezing. 58<sup>th</sup> Annual Meeting of the Association of Bone and Joint Surgeons, Buenos Aries, Argentina, April 3-7, 2006, Oral Presentation.
28. Grecula, M.J., Buford, W.L. Jr., and Norcross, J.P.: Muscle Strain During 3-D Computer Simulated MIS Total Hip Arthroplasty. 15<sup>th</sup> SICOT Trainees Meeting, Prague, Czech Republic, September 14-16, 2006, Oral Presentation.
29. Grecula, M.J., Klimisch, J.J.: Metal-on-Metal Hip Resurfacing: Technique and Early Results. 2007 Combined Annual Meeting of the Southern Orthopaedic Association and Eastern Orthopaedic Association, Victoria, British Columbia, Canada, August 1-4, 2007, Oral Presentation.
30. Grecula, M.J., LeDuff, M.J., and Amstutz, H.C.: Osteonecrosis: Indications, Technique, and Results of Hip Resurfacing. 60<sup>th</sup> Annual Meeting of the Association of Bone and Joint Surgeons, Jackson Hole, Wyoming, June 13-17, 2008.

### **PRESENTATIONS - INVITED**

1. Grecula, M.J. and Hansen, R.: Surgery in Thailand. Springfield Clinic Scientific Meeting, Springfield, Illinois, March 1987, Oral presentation.
2. Grecula, M.J. and Brien, W.W.: Revision Total Hip Arthroplasty in the Rheumatoid Patient. Rancho Los Amigos Research Day, Downey, California, December 1989, Oral presentation.
3. Grecula, M.J.: Disorders of the Hip. Guest Faculty at Iowa University of Osteopathic Medicine and Health Sciences, Des Moines, Iowa, March 1991, Oral presentation.
4. Grecula, M.J.: Disorders of the Shoulder. Guest Faculty at Iowa University of Osteopathic Medicine and Health Sciences, Des Moines, Iowa, March 1991, Oral presentation.
5. Grecula, M.J. and Amstutz, H.C.: Dual Geometry Cementless Versus Cemented Acetabular Components in Hip Surface Replacement. The First Annual Orthopaedic Hospital Research Day, Los Angeles, California, May 1992, Oral presentation.
6. Grecula, M.J.: Thromboembolic Disease after Total Hip Arthroplasty. Guest Lecture, University of Texas Medical Branch, Galveston, Texas, April 1993.
7. Grecula, M.J.: Thromboembolic Disease after Total Hip Arthroplasty. Orthopaedic Hospital Medical Staff Meeting, Los Angeles, California, May 1993, Oral presentation.
8. Grecula, M.J.: Current Concepts of Total Hip Arthroplasty. Department of Surgery Grand Rounds, University of Texas Medical Branch, Galveston, Texas, December 1993, Oral presentation.

9. Grecula, M.J.: Athletic Injuries of the Pelvis and Hip. 12th Annual Meeting of G.W.N. Eggers Society, Galveston, Texas, April 1994, Oral presentation.
10. Grecula, M.J.: Management of the Patient with a Hip Fracture. 28th Annual Family Practice Review Course, Galveston, Texas, April 1994, Oral presentation.
11. Grecula, M.J.: Update on Hip Arthroplasty. Clinical Update in Perioperative Orthopaedic Nursing, Galveston, Texas, April 1994, Oral presentation.
12. Grecula, M.J.: Management of the Patient with a Hip Fracture. Primary Care Internal Medicine: Update on Principles and Practice, Galveston, Texas, May 1994, Oral presentation.
13. Grecula, M.J., Grigoris, P., Brown, I., Dorey, F., and Amstutz, H.C.: Survivorship of Total Hip Arthroplasty in Patients Over Sixty Years Old. Department of Surgery Grand Rounds, University of Texas Medical Branch, Galveston, Texas, June 1994, Oral presentation.
14. Grecula, M.J.: Autotransfusion in Orthopaedic Surgery. Autotransfusion Seminar, University of Texas Medical Branch, Galveston, Texas, June 1994, Oral presentation.
15. Grecula, M.J.: Hip and Pelvis Injuries in the Athlete. 12th Annual Conference on Innovations in Sports Medicine, Galveston, Texas, July 1994, Oral presentation.
16. Grecula, M.J.: Alternatives to Total Hip Replacement: Osteotomy, Fusion and Surface Replacement. Current Trends in Hip and Knee Arthroplasty, Cabo San Lucas, Mexico, June 15-16, 1995, Oral presentation.
17. Grecula, M.J.: The Management of the Dislocated Total Hip Arthroplasty. Current Trends in Hip and Knee Arthroplasty, Cabo San Lucas, Mexico, June 15-16, 1995, Oral presentation.
18. Grecula, M.J.: Fractures of the Proximal Femur: Femoral Neck, Intertrochanteric, and Subtrochanteric. UTMB Resident's Basic Trauma Course, Galveston, Texas, November 13-16, 1996, Oral presentation.
19. Grecula, M.J.: Femoral Shaft Fractures. UTMB Residents Basic Trauma Course, Galveston, Texas, November 13-16, 1996, Oral presentation.
20. Grecula, M.J.: Intertrochanteric Fractures. Second Annual UTMB Resident's Basic Trauma Course, Galveston, Texas, October 3-5, 1997, Oral presentation.
21. Grecula, M.J.: Hip Dislocations and Fractures of the Femoral Head. Second Annual UTMB Residents Basic Trauma Course, Galveston, Texas, October 3-5, 1997, Oral presentation.
22. Grecula, M.J.: Timing and Perioperative Management of Hip Replacement. The 32<sup>nd</sup> Annual Family Practice Review, Galveston, Texas, April 29-May 2, 1998, Oral presentation.
23. Grecula, M.J.: Prosthetic Selection in Primary Total Hip Arthroplasty. Patient Management Issues in Hip and Knee Arthroplasty, Cabo San Lucas, Mexico, June 12-13, 1998, Oral presentation.
24. Grecula, M.J.: Management of Patellofemoral Problems. Patient Management Issues in Hip and Knee Arthroplasty, Cabo San Lucas, Mexico, June 12-13, 1998, Oral presentation.

25. Grecula, M.J.: Management of the Patient with a Hip Fracture. Center on Aging Geriatric Seminar, Galveston, Texas, July 10, 1998, Oral presentation.
26. Grecula, M.J.: Femoral Neck and Intertrochanteric Fractures. Third Annual UTMB Residents Basic Trauma Course, Galveston, Texas, October 15-17, 1998, Oral presentation.
27. Grecula, M.J.: Hip Dislocations and Femoral Head Fractures. Third Annual UTMB Residents Basic Trauma Course, Galveston, Texas, October 15-17, 1998, Oral presentation.
28. Grecula, M.J.: Alternatives to Total Hip Arthroplasty. Hips and Knees, Cabo San Lucas, Mexico, June 10-12, 1999, Oral presentation.
29. Grecula, M.J.: Impaction Grafting for Femoral Revisions. Hips and Knees, Cabo San Lucas, Mexico, June 10-12, 1999, Oral presentation.
30. Grecula, M.J.: Management of Dislocations. Hips and Knees, Cabo San Lucas, Mexico, June 10-12, 1999, Oral presentation.
31. Grecula, M.J.: Hamstring Injuries. Seventeenth Annual Conference on Innovations in Sports Medicine, Galveston, Texas, June 25-26, 1999, Oral presentation.
32. Grecula, M.J.: Alternatives to Total Hip Arthroplasty. Community Outreach Program at Houston Diagnostic Clinic, Houston, Texas, July 22, 1999, Oral presentation.
33. Grecula, M.J.: Femoral Neck Fractures. Fourth Annual UTMB Residents Basic Trauma Course, Galveston, Texas, October 28 – 30, 1999, Oral presentation.
34. Grecula, M.J.: Hip Dislocations and Femoral Head Fractures. Fourth Annual UTMB Residents Basic Trauma Course, Galveston, Texas, October 28 – 30, 1999, Oral presentation.
35. Grecula, M.J.: Hip Compression Screw, Hip Pinning, Reconstruction Nail, and Pelvic External Fixation. Fourth Annual UTMB Residents Basic Trauma Course, Galveston, Texas, October 28 – 30, 1999, Technique Lab Instruction.
36. Grecula, M.J.: Conservative Hip Replacement for Osteonecrosis of the Femoral Head. Edward T. Smith Orthopaedic Lectureship, Houston, Texas, November 5, 1999, Oral presentation.
37. Grecula, M.J.: Alternatives to Total Hip Arthroplasty. Hips and Knees in Cabos, Los Cabos, Mexico, June 1-3, 2000, Oral presentation.
38. Grecula, M.J.: Impaction Grafting for Femoral revisions. Hips and Knees in Cabos, Los Cabos, Mexico, June 1-3, 2000, Oral presentation.
39. Grecula, M.J., Morris, R.P., Buford, W.L., Jr., and Patterson, R.M.: Femoral Surface Strain: A Computer Analysis of the Photoelastic Method. 18<sup>th</sup> Annual G.W.N. Eggers Lectureship, Galveston, Texas, June 8-10, 2000, Oral presentation.
40. Grecula, M.J.: Common Hip Problems in the Mature Patient. LVNAT Galveston Division 6 Summer Seminar, Galveston, Texas, August 19, 2000, Oral presentation.

41. Grecula, M.J.: Treatment Alternatives to Total Hip Replacement. Community Outreach Program at Brazosport Memorial Hospital, Lake Jackson, Texas, October 18, 2000, Oral presentation.
42. Grecula, M.J.: Treatment Alternatives to Total Hip Replacement. Community Outreach Program at St. Mary's Hospital, Port Arthur, Texas, January 23, 2001, Oral presentation.
43. Grecula, M.J.: Pelvic and Acetabular Trauma. Nineteenth Annual G.W.N. Eggers Society Lectureship and Alumni Meeting, Galveston, Texas, March 29-31, 2001, Oral presentation.
44. Grecula, M.J.: Fractures of the Proximal Femur. Nineteenth Annual G.W.N. Eggers Society Lectureship and Alumni Meeting, Galveston, Texas, March 29-31, 2001, Oral presentation.
45. Grecula, M.J.: Alternatives to Total Hip Arthroplasty. Hips and Knees in Cabos, Los Cabos, Mexico, June 20-23, 2001, Oral presentation.
46. Grecula, M.J.: Hip Pain in the Athlete, Diagnosis and Treatment. 19<sup>th</sup> Annual Conference on Innovations in Sports Medicine, Galveston, Texas, June 29-30, 2001, Oral presentation.
47. Grecula, M.J., Thomas, J., and Kreuzer, S.: Impact of Implant Design on Results of Hemiresurfacing Hip Arthroplasty. Joint and Bone Preserving Surgery of the Hip, Quebec City, Quebec, Canada, July 20-21, 2001, Oral presentation.
48. Grecula, M.J.: Hip Problems of the Elderly, Geriatric Division Grand Rounds, UTMB, Galveston, Texas, August 10, 2001, Oral presentation.
49. Grecula, M.J.: Treatment Alternatives to Total Hip Replacement. Community Outreach Program at Baptist Hospital, Orange, Texas, October 11, 2001, Oral presentation.
50. Grecula, M.J.: Impaction Grafting for Femoral Revisions. Current Issues in Orthopaedic Surgery, Illinois Association of Orthopaedic Surgeons Spring Meeting and Education Update, Springfield, Illinois, April 12, 2002, Oral Presentation.
51. Grecula, M.J.: Surface Hemiarthroplasty for Femoral Head Osteonecrosis. Current Issues in Orthopaedic Surgery, Illinois Association of Orthopaedic Surgeons Spring Meeting and Education Update, Springfield, Illinois, April 12, 2002, Oral Presentation.
52. Grecula, M.J.: Preoperative Planning and Decision Making in THA. Coastal Bend Hip and Knee Symposium, Port Aransas, Texas, May 17-18, 2002, Oral Presentation.
53. Grecula, M.J.: Impaction Grafting for Femoral Revisions. Coastal Bend Hip and Knee Symposium, Port Aransas, Texas, May 17-18, 2002, Oral Presentation.
54. Grecula, M.J.: Subtrochanteric/ Intertrochanteric Femur Fractures. Texas Orthopaedic Trauma Symposium, Austin, Texas, June 14-15, 2002, Oral Presentation.
55. Grecula, M.J.: Periprosthetic Fractures of the Hip. Texas Orthopaedic Trauma Symposium, Austin, Texas, June 14-15, 2002, Oral Presentation.
56. Grecula, M.J.: Common Hip Problems in the Elderly. Geriatric Fellows' Conference, UTMB, Galveston, Texas, September 5, 2002, Oral Presentation.

57. Grecula, M.J.: Preoperative Planning and Decision Making in THR. Coastal Bend Hip and Knee Symposium, Port Aransas, Texas, May 16-17, 2003, Oral Presentation.
58. Grecula, M.J.: Impaction Grafting for Femoral Revision. Coastal Bend Hip and Knee Symposium, Port Aransas, Texas, May 16-17, 2003, Oral Presentation.
59. Grecula, M.J.: Alternatives to Total Hip Arthroplasty. Hips and Knees, Los Cabos, Mexico, June 5-7, 2003, Oral Presentation.
60. Grecula, M.J.: Common Orthopaedic Problems in the Elderly Patient. Symposium on Surgery in the Elderly Patient, Galveston, Texas, January 27, 2004, Oral Presentation.
61. Grecula, M.J.: Common Hip Problems in the Elderly. Gerontology Grand Rounds, Galveston, Texas, February 27, 2004, Oral Presentation.
62. Grecula, M.J.: Treatment Alternatives to Total Hip Replacement. Community Outreach Program, Nacadoches Memorial Hospital, Nacadoches, Texas, May 21, 2004.
63. Grecula, M.J.: Ceramic on Ceramic Bearing Surface for THA. Hips and Knees in Cabos, Los Cabos, June 3-5, 2004, Oral Presentation.
64. Grecula, M.J.: Common Hip Problems in the Mature Adult. Geriatric Fellows' Conference, Galveston, Texas, June 2, 2005, Oral Presentation.
65. Grecula, M.J.: Hard Bearings: Factors to Consider in Making a Choice. Hot Topics in Hips and Knees, Santa Barbara, California, June 9-11, 2005, Oral Presentation.
66. Grecula, M.J.: Metal on Standard PE: Lessons Learned. Hot Topics in Hips and Knees, Santa Barbara, California, June 9-11, 2005, Oral Presentation.
67. Grecula, M.J.: Hip Arthroscopy. The 23rd Annual Conference on Innovations in Sports Medicine, Galveston, Texas, July 8-9, 2005, Oral Presentation.
68. Grecula, M.J.: Hip Fractures. Geriatrics Fellows Conference, Galveston, Texas, September 29, 2005, Oral presentation.
69. Grecula, M.J.: Surgical Approaches for THA. UTMB Rehabilitation Services, Galveston, Texas, March 15, 2006, Oral presentation.
70. Grecula, M.J.: Best Practices in Care of the Geriatric Orthopedic Surgery Patient. Acute Care for Elders: Evidence-based care in the Hospital Setting, Galveston, Texas, June 22 and July 27, 2006, Oral Presentation.
71. Grecula, M.J.: Chronic Leg Pain in the Athlete. The 24<sup>th</sup> Annual Conference on Innovations in Sports Medicine, Galveston, Texas, June 30 – July 1, 2006, Oral presentation.
72. Grecula, M.J.: Evaluation and Care of the Hip Fracture Patient. Division of Rheumatology Grand Rounds, UTMB, Galveston, Texas, December 12, 2006, Oral Presentation.
73. Grecula, M.J.: Differential Diagnosis of Hip and Groin Pain in the Athlete. The 25<sup>th</sup> Annual Conference on Innovations in Sports Medicine, Galveston, Texas, July 20-21, 2007, Oral Presentation.

74. Grecula, M.J.: Hemi-resurfacing is a Good Procedure in AVN. BHR 10<sup>th</sup> Anniversary Meeting, Miami, Florida, October 25-27, 2007, Oral Presentation.
75. Grecula, M.J.: Hip Fractures. Geriatrics Fellows Conference, Galveston, Texas, January 17, 2008, Oral presentation.
76. Grecula, M.J.: Diagnostic Imaging of Bones and Joints. 14<sup>th</sup> Annual Medical Imaging Seminar, University of Texas Medical Branch, Galveston, Texas, April 26, 2008.