

DEAN GERARD LORICH, M.D.

New York Presbyterian Hospital, New York, NY
Associate Director Orthopaedic Trauma Service; Director Department Orthopaedic Surgery
Hospital for Special Surgery, New York, NY; Associate Director Orthopaedic Trauma Service
Weill Medical College of Cornell University, Assistant Professor of Orthopaedic Surgery
Albert Einstein School of Medicine Bronx, NY; Adjunct Assistant Professor

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American Board of Orthopaedic Surgery Certification – 7/16/99
Fellow American Academy of Orthopaedic Surgeons – 2001
Fellow American College of Surgeons – 7/6/06

PROFESSIONAL:

New York – Presbyterian Hospital, New York, NY	(1/02-Present)
-Associate Director Orthopaedic Trauma Service	(1/02-Present)
-Director Department Orthopaedic Surgery	(2/08-Present)
Hospital for Special Surgery, New York, NY	(1/02-Present)
-Associate Director Orthopaedic Trauma Service	(1/02-Present)
Jacobi Medical Center and North Central Bronx Hospital Bronx, NY	(1/98- 2/05)
-Chief - Division of Orthopaedic Surgery	(1/98 -12/01)
-Director of Orthopaedic Trauma Service	(1/98 - 12/01)
New York State Orthopaedic Society – Board of Trustees (9/03-present)	

FACULTY APPOINTMENTS:

Weill Medical College of Cornell University	(1/04 – Present)
-Assistant Professor of Orthopaedic Surgery	
Weill Medical College of Cornell University	
-Instructor – Orthopaedic Surgery	(1/02-12/03)
Albert Einstein School of Medicine Bronx, NY	(1/98 – Present)
-Assistant Professor of Orthopaedic Surgery	(1/98 -12/01)
-Chief of Orthopaedic Trauma	(1/98 - 12/01)
-Adjunct Assistant Professor	(1/02 - Present)
University of Hawaii- John A. Burns School of Medicine	
-Assistant Professor of Orthopaedic Surgery	(9/96-12/97)

AO/ASIF

-Teaching Faculty

(9/97-Present)

Special Committees:

1. AO Technical Commission (AOTK)-member Intramedullary Nail Working Group (1/05-present)
2. AO Osteoporosis Task Force (1/05-present)

HONORS: Martin Allgower Traveling Trauma Fellow – 2001
Sites: Bern Switzerland – Director: Rheinhold Ganz, M.D.

1st Prize- Poster #475
American Academy of Orthopaedic Surgery 2006 Annual Meeting Chicago, IL.
Gardner MJ., Brodsky AR., Briggs SM., Nielson JH., Lorich DG:
Fixation of Posterior Malleolar Fractures for Syndesmotic Stability.

2006- Phillip D. Wilson Resident Teacher of the Year Award- Hospital for Special Surgery 6/12/06

OTA/AAOS/Department of Defense-Orthopaedic Visiting Scholar- Landstuhl Regional Medical Center Landstuhl, Germany, October 2007.

ORTHOPAEDIC TRAUMA FELLOWSHIP TRAINING:

Hospital for Special Surgery-Fellowship Director David L. Helfet, M.D.
(8/95-7/96)

ORTHOPAEDIC RESIDENCY:

Hospital of the University Of Pennsylvania
(7/91-6/95)

GENERAL SURGICAL EDUCATION:

Hospital of the University Of Pennsylvania
(7/90-6/91)

MEDICAL EDUCATION:

University Of Pennsylvania (9/85-5/90)
Degree Conferred:M.D.
Honors: Penn Medical Scholar – 1989

UNDERGRADUATE EDUCATION:

University Of Pennsylvania
Degree Conferred: B.A. – Chemistry
Honors/Activities:
Summa Cum Laude
Dean's List – Four Years

(9/81-5/85)

Outstanding Graduating Chemist Award

Alpha Chi Omega – Most

Phi Lambda Honorary Society of Chemists
Varsity Football
Varsity Letter

(1981-1984)

(1983, 1984)

RESEARCH:

CURRENT/FUTURE PROJECTS:

1. X-ray/CT/MRI Evaluation Of the: Posterior Malleolus in Trimalleolar Ankle Fractures.
 - Syndesmosis
 - Associated Ligamentous Injuries
2. Clinical Outcomes in ankle fractures
 - General population
 - Geriatric population
3. Biomechanical evaluation of plating techniques in Osteoporotic bone.
4. Teftom Study-Patient expectations pre and post treatment of ankle fractures
 - a prospective multi center study with AOCID
5. Clinical evaluation of stable and unstable peritrochanteric hip fractures.
6. Gait Analysis study of stable and unstable Intertrochanteric Hip fractures treated with an Intramedullary Nail.
7. Computer Mapping of the insertion sites of Gluteus Maximus and Minimus tendons and at hip external rotators- a cadaveric study.
8. Evaluation of Vascular anatomy of the femoral head-a cadaveric study.
9. Evaluation of Vascular anatomy of the humeral head.
10. Prospective evaluation of the femoral neck fracture vascularity using Gadolinium MRI.
11. Prospective evaluation of femoral neck fractures treated with non-sliding fixed angle fixation.

SCIENTIFIC PRESENTATIONS:

1. C. T. Brighton, D.G. Lorch: "Origin of the Osteoblast in Fracture Healing."
Annual Meeting of the Orthopaedic Trauma Association Meeting, March 1989
2. D. G. Lorch, C. T. Brighton: "The Pericyte as a Possible Osteoprogenitor Cell."
Hospital of the University of Pennsylvania Department of Orthopaedic Surgery
Research Day, June 1989
3. C. T. Brighton, D. G. Lorch: "The Pericyte as a Possible Osteoprogenitor Cell."
36th Annual Meeting of the Orthopaedic Research Society, February 1990
4. D. G. Lorch, C. T. Brighton, S. R. Pollack: "Bone Cell's Response To A
Capacitively Coupled Electric Field." First World Congress for Bioelectricity and
Magnetism in Biology and Medicine, June 1992
5. D. G. Lorch, C. T. Brighton, S. R. Pollack: "Bone Cell's Response To A

Capacitively Coupled Electric Field.” Hospital of the University of Pennsylvania Department of Orthopaedic Surgery Annual Research Day, June 1992

6. D. G. Lorich, C. T. Brighton, J. R. Cosetti, S. R. Pollack: “The Role Of Pge 2 in Bone Cell’s Proliferative Response to a Capacitively Coupled Electric Field.” American Society for Bone and Mineral Research, November 1992
7. D. G. Lorich, C. T. Brighton, J. R. Corsetti, S. R. Pollack: “ The Role Of Pge 2 In Bone Cell’s Proliferative Response to a Capacitively Coupled Electric Field.” 39th Annual Meeting of the Orthopaedic Research Society, February 1992
8. Gelb, C. T. Brighton, D. G. Lorich, S. R. Pollack: “The Response Of Bone Cell To A Capacitively Coupled Electric Field.” Annual Meeting of the Bioelectric Repair and Growth Society, October 1993
9. D. G. Lorich, P. Y. Shonnard, D. L. Helfet: “Evaluation Of The Cell Of Origin Of Experimental Heterotopic Ossification.” 78th Meeting of the Alumni Association of the Hospital for Special Surgery, November 1996
10. D. G. Lorich, H. Potter, N. Anand, D. L. Helfet: “MRI Imaging With MR Angiography and MR Venography for Complete Dislocations of the Knee with Intact Lower Extremity Pulses – A Single Noninvasive Investigation.” AAOS February 1997
11. D. G. Lorich, P. Y. Shonnard, D. L. Helfet: “Evaluation Of The Cell Of Origin Of Experimental Heterotopic Ossification.” AAOS February 1997
12. Bartlett, Rapuouno, Lane, Lorich, Helfet: “Evaluation Of Biochemical Mediators Of Heterotopic Ossification,” 44th Annual Meeting of Orthopaedic Research Society. March, 1998
13. S.Yacoubian, R. Nevins, J.G. Sallis, H. Potter, D.G. Lorich: “Advantages of MRI after CT and Oblique X-rays in Evaluating the Fracture Classification and Soft Tissue Injuries in High Energy Tibial Plateau Fractures.” The American Fracture Association 61st Annual Meeting May 13, 1999.
14. R. Nevins, S. Yacoubian, H. Potter, D.G. Lorich: Preliminary “Evaluation of Posterolateral Corner Injury in High Energy Tibial Plateau Fractures Diagnosed By MRI.” The American Fracture Association 61st Annual Meeting May 13, 1999.
15. S.Yacoubian, R. Nevins, J.G. Sallis, H. Potter, D.G. Lorich: “Advantages of MRI after CT and Oblique X-rays in Evaluating the Fracture Classification and Soft Tissue Injuries in High Energy Tibial Plateau Fractures.” The Orthopaedic Trauma Association Annual Meeting October 22, 1999.
16. R. Nevins, S. Yacoubian, H. Potter, D.G. Lorich: “Preliminary Evaluation of Posterolateral Corner Injury in High Energy Tibial Plateau Fractures Diagnosed By MRI.” The Orthopaedic Trauma Association Annual Meeting October 22, 1999.

17. T.Luke, S.Yacoubian, J.Sallis, K.Plancher, D.G.Lorich: “Cadaveric Biomechanical Study of Stable and Unstable Midshaft Forearm Fracture Patterns: IM Nail Vs. Compression Plating.” New England Orthopaedic Society Fall Meeting, November 19, 1999.
18. C.T. Brighton, S.R. Pollock, W. Wang, D.G. Lorich: “Capacitive Coupling: Clinical Experience Mechanisms, and Future Applications.” The Society for Physical Regulations in Biology and Medicine – Annual Meeting January 5, 2000.
19. S.Yacoubian, R.Nevins, J.Sallis, H. Potter, D.G.Lorich: “Impact of MRI on Treatment Plan and Fracture Classification of Tibial Plateau Fractures.” Presented, Western Orthopaedic Association October 21, 2000, Scottsdale, AZ.
20. T.Luke, S.Yacoubian, J.Hornstein, J.G. Sallis, K. Plancher, D.G. Lorich: “Biomechanical Study Comparing IM Nailing and Compression Plating in Forearm Fractures.” Presented, Western Orthopaedic Association, October 21, 2000, Scottsdale, AZ.
21. T.Luke, S.Yacoubian, J.G. Sallis, K. Plancher, D.G. Lorich: “Biomechanical Study Comparing IM Rodding and Compression Plating in Forearm Fractures.” Presented 9th Congress of the European Society of Sports, Traumatology, Knee Surgery and Arthroscopy. September 16-20, 2000, London, England.
22. Nielson, J.H., Sallis, J.G., Potter, H. Helfet, D.L., Lorich, D.G.: “Unsuspected Ligamentous Injuries in Ankle Fractures”. Presented AAOS March 2001, San Francisco, CA.
23. Nielson, J., Sallis, J.G., Potter, H., Helfet, D.G. Lorich,: “New Findings in Operative Ankle Fractures Through use of MRI”, Presented: American Foot and Ankle Society 2000 Specialty Day, March 3, 2001, San Francisco, CA.
24. Nielson, J., Sallis J.G., Potter, H., Helfet, D.G., Lorich, D.G.: “Interosseous Membrane Tears in Relations to the Fibular Fracture” Presented to American Foot and Ankle Summer Meeting, July 2001, San Francisco, CA.
25. Hirsh, L., Potter, H., Melone, C., Lorich, D.: “The Efficacy of MRI in the Evaluation of Concomitant Soft Tissue Injury with Distal Radius Fracture. Presented American Society for Surgery of the Hand. Adrian E. Flatt Resident and Fellows Conference, October 1, 2001, Baltimore, MD.
26. Nielson, J.H., Sallis, J.G., Potter, H., Helfet, D.L., Lorich, D.G.: “Correlation of Interosseous Membrane Tears to the Level of the Fibula Fracture.” Orthopaedic Trauma Association, October 18, 2001, San Diego, CA.
27. Nielson, J., Sallis, J.G., Potter, H., Helfet, D.L., Lorich, and D.G.: “Do Radiographic Measurements Effectively Predict Potential Instability in Ankle Fracture? A

- Correlation to MRI.” Presented at the American Orthopaedic Foot and Ankle Society Summer Meeting July 12-14, 2002, Traverse City, MI.
28. Nielson, J., Sallis, J.G., Potter, H., Helfet, D.L., Lorich, D.G.: “Do Radiographic Measurements Effectively Predict Potential Instability in Ankle Fracture? A Correlation to MRI.” Presented at the Orthopaedic Trauma Association 2002 Annual Meeting, October 10-13, 2002, Toronto, Canada.
 29. Nielson, J., Sallis, J.G., Potter, H., Helfet, D.L., Lorich, D.G.: “Syndesmotic Instability in operative Ankle Fractures.: An Old Problem Evaluated with a Modern MRI”. Presented at the Eastern Orthopaedic Association 2002 Annual Meeting, October 16-20 2002, Amelia Island, FL.
 30. Nielson, J., Sallis, J.G., Potter, H., Helfet, DL., Lorich, D.G.: “Syndesmotic Instability In operative Ankle Fractures”: “An Old Problem Evaluated with a Modern Magnetic Resource Imaging”. Presented, AAOS, February 2003, New Orleans, LA.
 31. Gardner M., Wright T., Campbell D., Helfet DL., Lorich DG: “Rigidity of Locking Compression Plates in Osteoporotic Bone”. Presented ISFR/OTA Basic Science Focus Meeting. October 2003, Salt Lake City UT.
 32. Gardner MJ., Griffith MH., Dines JS., Weiland AJ., Lorich DG.: The extended Anterior Acromial Approach to the Proximal Humerus. Orthopaedic Trauma Association, October 8-10, 2004, Fort Lauderdale, FL.
 33. Gardner MJ., Yacoubian S., Geller D., Suk M., Mintz D., Potter H., Helfet DL., Lorich D.G: The Incidence of Soft Tissue Injury in Operative Tibial Plateau Fractures. An MRI Analysis of 103 patients. Orthopaedic Trauma Association, October 8-10, 2004, Fort Lauderdale, FL.
 34. Gardner MJ., Yacoubian S., Geller D., Suk M., Mintz D., Potter H., Helfet DL., Lorich D.G: The Incidence of Soft Tissue Injury in Operative Tibial Plateau Fractures. An MRI Analysis of 103 patients. Eastern Orthopaedic Association Annual Meeting: Puerto Rico,.
 35. Toro J., Gardner MJ., Lorich DG, Helfet DL: Open Reduction and Internal Fixation of Distal Femoral Nonunions: Eastern Orthopaedic Association Annual Meeting, October 2004, Puerto Rico, October 2004.
 36. Gardner MJ., Yacoubian S., Geller D., Suk M., Potter H., Mintz D., Helfet D., Lorich DG: Prediction of Soft Tissue Injury in Schatzker 2 Tibial Plateau Fractures Based on X-ray Measurements: Eastern Orthopaedic Association Annual Meeting, October 2004, Puerto Rico,.
 37. Gardner MJ., Griffith MH., Dines JS., Weiland AJ., Lorich DG: The Extensile Anterior Acromial Approach to the Proximal Humerus: Presented Eastern Orthopaedic Association Annual Meeting, October 2004, Puerto Rico.

38. Gardner MJ., Brophy RH., Dines JS., Wright TM., Helfet DL., Lorich DG: Stability of Locking Compression Plates in Osteoporotic Bone: Presented International Society of Fracture Repair Annual Meeting: Eastern Orthopaedic Association Annual Meeting, October 2004, Puerto Rico.
39. Gardner MJ., Yacoubian S., Geller D., Suk M., Mintz D., Potter H., Helfet DL., Lorich DG: The Incidence of Soft Tissue Injury in Operative Tibial Plateau Fractures. An MRI Analysis of 103 patients. International Society of Fracture Repair Annual Meeting: Accepted November 2004, Bologna, Italy.
40. Gardner MJ., Brophy RH., Dines JS., Wright TM., Helfet DL., Lorich DG: Stability of Locking Compression Plates in Osteoporotic Bone: International Society of Fracture Repair Annual Meeting, November 2004, Bologna, Italy.
41. Gardner MJ., Yacoubian S., Geller D., Suk M., Potter H., Mintz D., Helfet D., Lorich DG: Prediction of Soft tissue Injuries in Schatzker II Tibial Plateau Fractures based on X-ray measurements. AAOS Annual Meeting: February 2005, Washington, D.C.
42. Gardner MJ., Yacoubian S., Geller D., Suk M., Mintz D., Potter H., Helfet D., Lorich DG: The Incidence of Soft Tissue Injury in Tibial Plateau Fractures. An MRI Analysis of 103 Patients. AAOS Annual Meeting, February 2005, Washington D.C.
43. Gardner MJ., Brophy RH., Dines JS., Wright TM., Helfet DL., Lorich DG: The Mechanical Behavior of Locking Compression Plates Compared to Dynamic Compression Plates in Osteoporotic Bone. AAOS Annual Meeting, February 2005, Washington, D.C.
44. Gardner MJ., Brophy RH., Dines JS., Wright TM., Helfet DL., Lorich DG: The Extensile Anterior Acromial Approach to the Proximal Humerus. AAOS Annual Meeting, February 2005, Washington, D.C.
45. Gardner MJ, Helfet DL, Lorich DG: "Fixation of Posterior Malleolar Fractures for Syndesmotic Stability". Presented 21st Annual Meeting of Orthopaedic Trauma Association. October 22, 2005, Ottawa, Ontario, Canada.
46. Gardner MJ, Demetrakopoulos D, Briggs SM, Helfet DL, Lorich DG: "Malreduction of the Tibiofibular Syndemosis". Presented 21st Annual Meeting of Orthopaedic Trauma Association. October 22, 2005, Ottawa, Ontario, Canada.
47. Toro-Arbelaez JB., Harrison M., Hierholzer C., Gardner MJ., Lorich DG., Helfet DL: Use of the Knee Society Clinical Rating Systems following Open Reduction and Internal Fixation of Distal Femoral Nonunions. Presented 21st Annual Meeting of the Orthopaedic Trauma Association. October 22, 2005, Ottawa, Canada.
48. Toro-Arbelaez JB., Harrison M., Hierholzer C., Oh L., Lorich DG., Helfet DL: Open Reduction and Internal Fixation of Intraarticular and Metaphyseal Nonunions of the Proximal Tibia. Presented at 21st Annual Meeting of the Orthopaedic Trauma Association. October 22, 2005, Ottawa, Canada.

49. Gardner MJ., Briggs SM., Helfet DL., Lorich DG: The Lauge-Hansen classification for predicting ligament injury in ankle fractures: An MRI study. Presented 73rd AAOS meeting, March 8-12, 2006, Chicago, IL.
50. Sussman P., Ranawat A., Lorich DG., Padgett D., Kelly BT: Arthroscopic versus Osteoplasty of the Head Neck Junctions. A Cadaveric Investigation. Presented 73rd AAOS meeting, March 8-12, 2006, Chicago IL.
51. Gardner MJ., Brodsky A., Briggs SM., Lorich DG: Fixation of Posterior Malleolar Fractures for Syndesmotic Stability. Presented 73rd AAOS meeting, March 8-12, 2006, Chicago IL.
52. Gardner MJ., Griffith M., Brophy R., Helfet DL., Lorich DG: Hybrid Locked Plating of Humeral Shaft Fractures. Presented 73rd AAOS meeting, March 8-12, 2006. Chicago, IL.
53. Gardner MJ., Briggs SM., Helfet DL., Lorich DG: Malreduction of the Tibio fibular Syndesmosis. Presented 73rd AAOS meeting, March 8-12, 2006. Chicago, IL.
54. Sussman PS., Ranawat A., Lipman J., Lorich DG., Padgett DE., Kelly BT: The Vascular Risk with Arthroscopic Osteoplasty of the Femoral Neck. Presented AANA Annual Meeting 2006.
55. Gardner MJ., Barker JCC., Lane J., Helfet DL., Lorich DG.: The accuracy and precision of a novel portable gait analysis device. Presented at 22nd Annual Meeting of the Orthopaedic Trauma Association. October 5-7, 2006, Phoenix, AZ.
56. Gardner MJ., Helfet DL., Lorich DG.: Minimally Invasive Plating of the Proximal Humerus: Vascular Implications. Presented 22nd Annual Meeting of the Orthopaedic Trauma Association. October 5-7, 2006, Phoenix, AZ.
57. Gross A., Gardner MJ., Lorich DG, Asprinio D., Helfet DL., Lateral approach to Pilon ORIF. Presented at 22nd Annual Meeting of the Orthopaedic Trauma Association. October 5-7, 2006 Phoenix, AZ.
58. Gardner MJ., Helfet DL., Lorich DG.: Minimally Invasive Plating of Proximal Humerus Fractures: Vascular Implications. Presented at 37th Annual Eastern Orthopaedic Association Meeting. October 18-21, 2006, Boca Raton, FL.
59. Gardner MJ, Helfet DL, Lorich DG.: "The Ability of the Lauge-Hansen Classification to Predict Ligament Injury and Mechanism in Ankle Fractures: An MRI Study. Presented at 37th Annual Meeting of Eastern Orthopaedic Association. October 18-21, 2006, Boca Raton, FL.
60. Gardner MJ., Helfet DL., Lorich DG.: Minimally Invasive Plating of the Proximal Humerus Fractures: Vascular Implications, Paper No. 236. Annual Meeting of the American Academy of Orthopaedic Surgeons. February 14-18, 2007, San Diego, CA.

61. Gardner MJ., Barker JCC., Helfet DL, Lorich DG.: The Accuracy and repeatability of a novel gait analysis device, Paper No.329. Annual Meeting of the American Academy of Orthopaedic Surgeons. February 14-18, 2007, San Diego, CA.
62. Gardner MJ., Barker JCC., Helfet DL., Lorich DG.: The importance of medial calcar support in locked plating of proximal humerus fractures. Poster No. 473. Annual Meeting of the American Academy of Orthopaedic Surgeons, February 14-18, 2007, San Diego, CA.
63. Gardner MJ., Tor-Arbelaez JB.,Harrison M., Hierholzer C., Lorich DG, Helfet DL.: Open Reduction Internal Fixation of Distal Femoral Nonunions, Poster No. 471. Annual Meeting of the American Academy of Orthopaedic Surgeons, February 14-18, 2007, San Diego, CA.
64. Gardner MJ, Boriah V, Helfet, DL, Lorich DG: Functional Outcome of Safety of the Antero Lateral Aeromial for Treatment of Proximal Humeral Fracture. 23rd Annual Meeting of the Orthopaedic Trauma Association October 18-20, 2007 Boston, MA.
65. Gardner MJ, Toro-Arbalay J, Lorich DG, Helfet DL,: Surgical Treatment and Outcome of Extraasticular Proximal Tibial Nonunions. 23rd Annual Meeting of the Orthopaedic Trauma Association October18-20, 2007 Boston, MA.
66. Gardner MJ, Boriah V, Helfet DL, Lorich DG: The Hyperflexion Ankle Fracture Variant, 23rd Annual Meeting of the Orthopaedic Trauma Association October 18-20, 2007, Boston, MA.
67. Boriah V, Weil Y, Helfet DL, Lorich DG: Anterior Knee Pain Following a Modified Lateral Parapatella Approach for Tibial Nailing. 23rd Annual Meeting of Orthopaedic Trauma Association. October 18-20 2007, Boston, MA.
68. Gardner MJ, Robertson W, Helfet DL, Lorich DG: Abductor Sparing Femoral Nailing: Anatomy of the Greater Trochanteric Bold Spot. 23rd Annual Meeting of the Orthopaedic Trauma Association October 18-20, 2007, Boston MA.
69. Neviassar A, Lane JM, Lorich DG: Nontraumatic Femoral Shaft Fracture Associated with Bisphosphonate Use. 23rd Annual Meeting of Orthopaedic Trauma Association, October 18-20, 2007. Boston, MA.
70. Weil JA, Gardner MJ, Boriah S, Helfet DL, Lorich DG: Results of Posteromedial Approach to Medial and Bicondylar Tibia Plateau Fractures. 23rd Annual Meeting of the Orthopaedic Trauma Association, Oct 18-20, 2007. Boston, MA
71. Boriah.S, Gardner MJ,Helfet DL, Lorich DG:”Medial Calcar Augmentation in Locked Plating of Proximal Humerus Fracture” Paper # 325 75th Annual Meeting of American Academy of Orthopaedics Surgeons, 3/5/-3/9/08, San Francisco, C.A.

72. Boriah S, Gardner MJ, Helfet DL, Lorich DG:” High Association of Posterior Malleolus Fracture with Spiral Distal Tibial Fracture”. Poster # 478 75th Annual Meeting of American Academy of Orthopaedics Surgeons, 3/5/08-3/9/08 San Francisco, CA.
73. Lenart B, Neviasser A, Peterson M, Schreck B. Edabaro F. Chay C, Lorich DG, Vonder Meuler M, Lane JM: “Alendronete Use and Insufficient Fractures of the Femur: A Case Control Study” Paper # 109, 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, 3/5/08-3/9/08 San Francisco, CA.
74. Neviasser A, Lenart B, Lane JM, Lorich DG: Nontraumatic Femoral Shaft Fracture Associated with Bisphosphonate Use. Paper, 75th Annual Meeting of the American Academy of Orthopaedic Surgeon, 3/5/08-3/9/08, San Francisco, CA.
75. Ashby T, Mennitt K, Lorich DG, Hentel K: “Ultrafast Imaging of Suspected Hip Fractures utilizing SPGR T1- weighted technique. Accepted 108th Annual Meeting of Americans Roeintgen Ray Society April 13-18, 2008, Washington, DC.

PUBLICATIONS:

1. CT Brighton, DG. Lorich, R. Kupcha, TM. Reilly, AR. Jones: The Pericyte as a Possible Osteoprogenitor Cell. Clinical Orthopaedics And Related Research: February 1991 275: 287 – 299
2. DL. Helfet, DG. Lorich: The Use Of A Single Limited Posterior Approach, And The Reduction Techniques For Specific Patterns Of Acetabular Fractures. Operative Tech In Orthopaedic September 1997 Vol 6: 196-205
3. DG. Lorich, CT. Brighton, JR. Corsetti, R. Gupta, S. E. Levine, I. D. Gelb, SR. Pollack: Biochemical Pathway Mediating The response of Bone Cells To Capactive Coupling. Clinical Orthopaedics and Related Research May 1998 / Vol. 350: 246-256
4. DL. Helfet, DG. Lorich: Retrograde Intramedullary Nail Treatment of Supracondylar Femoral Fractures. Clinical Orthopaedic and Related Research May 1998 / Vol 350: 80-84
5. Lorich, DG., Yacoubian, S., Geller, D.: An Innovative Mode of Intramedullary Fixation. International Review of Modern Surgery 2002 page 62.
6. Lorich, DG., External Fixation of Select Intertrochanteric Fractures with a single Hip Screw. Clinic Orthop Relat Res 2002 Feb; (395) 268-69
7. Yacoubian S., Nevins, R., Sallis, JG., Potter, H., Lorich, DG.: Impact of MRI on The Treatment Plan And Fracture Classification Of Tibial Plateau Fractures: Journal of Orthopaedic Trauma: October 2002/ Vol 16 No. 9, pg. 632-637
8. F.R.T. Nelson, CT. Brighton, J. Ryaby, BJ. Simon, JH. Nielson, DG. Lorich, M. Bolander and J. Seelig: The Use of Physical Forces in Bone Healing. Journal of the American Academy of Orthopaedic Surgeons Sept/Oct 2003 Vol. 11 No. 5 pg. 344-354.

9. Lorich, DG., Geller, DS., Yacoubian S.V., Leo, AJ., Helfet, DL.: Intramedullary Fixation of the Humeral Shaft Fractures using an Inflatable Nail. Orthopaedics, October 2003/Vol 26 No. 10, pg.1011-1014.
10. Nielson J., Sallis JG., Potter H., Helfet DL, Lorich DG.: Correlation of Interosseous Membrane Tears To The Level Of The Fibula Fracture. Journal of Orthopaedic Trauma, February 2004/Vol 18 No. 2, pg. 68-74.
11. Lorich DG., Nielson J., Geller D.: "Osteoporotic Pertrochanteric Hip Fractures: Management and Controversy. JBJS February 2004/Vol 86A, No.2, pg. 398-410.
12. Gardner MJ, Lorich DG, Lone JM, Osteoporotic Femoral Neck Fractures: Management and Controversies: Instr Course Lecture 2004; 53 427-39
13. Gardner MJ., Helfet DL., Lorich DG.: Has Locked Plating Completely Replaced Conventional Plating? American J. Orthopaedics. September 04/Vol.33, No. 9, pg. 440-446.
14. Gardner MJ., Griffith MH., Dines JS., Lorich DG: A Minimally Invasive Approach for Plate Fixation of the Proximal Humerus. Bull Hosp J Disease 2004 Vol 62 No 1 and 2 pg. 18-24.
15. Gardner, MJ., Bhandari, M., Lawrence BD., Helfet DL., Lorich, DG. : Treatment of Intertrochanteric Hip Fractures with the AO Trochanteric Fixation Nail (TFN). Orthopaedics Feb. 2005; 28 (2): 117-22
16. Gardner, MJ., Griffith, MH., Lawrence, BD., Lorich DG. : Complete Exposure of the Articular Surface for Fixation of Patella Fractures. J. Orthop Trauma, Feb 2005: 19 (2): 118-23
17. Gardner, MJ., Yacoubian, S., Geller, D., Suk, M., Mintz, D., Potter, H., Helfet, DL., Lorich DG.: The Incidence of Soft Tissue Injury in Operative Tibial Plateau Fractures. A MRI Analysis of 103 Patients. J. Orthop Trauma February 2005: 19 (2): 79-84
18. Gardner, MJ., Griffith, MH., Dines, JS., Weiland, AJ., Lorich DG.: The Extended Anterolateral Acromial Approach to the Proximal Humerus. Allows Minimally Invasive Access to the Proximal Humerus. Clinical Orthopaedics and Related Research, No. 434 pg 123-129, May 2005.
19. Gardner MJ, Suk, M, Pearle A., Buly R., Helfet DL, Lorich DG.: Surgical Dislocation of the Hip for Fractures of the Femoral Head. J Orthopaedic Trauma May/June 2005; 19(5): 334-342
20. Nielson, J., Gardner, MJ., Peterson, M., Potter, H., Sallis JG., Helfet, DL., Lorich, DG. : Radiographic Measurements DO NOT Effectively Predict Syndesmotic Injury in Ankle Fractures: An MRI Study of 70 Patients. Clin Orthop July 2005; 436:216-21.

21. Gulotta, LV., Gardner, MJ., Rose, HA., Helfet, DL., Lorich, DG.: Periprosthetic -Patella Fracture Following an Open Knee Dislocation. Clin Orthop July 2005; (436) 265-269.
22. Gardner MJ, Griffith, MH., Lorich DG: Helical Plating of the Proximal Humerus. Injury October 2005 36 (10): 1197-1200.
23. Gardner MJ., Brophy RH., Campbell D., Mahajan A., Wright TM., Helfet DL., Lorich DG: The Mechanical Behavior of Locking Compression Plates Compared with Dynamic Compression Plates in a cadaveric radius model. J Orthop Trauma Oct. 2005; 19(9): 597-603.
24. Bartlett CS., Rapuono BE., Lorich DG., Wu T., Anderson RC., Tomin E., Hsu JF., Lane JM., Helfet DL. Early Changes in Prostaglandins Precede Bone Formation in a Rabbit Model of Heterotopic Ossification. Bone 2006 Mar; 38 (3) 322-332.
25. Gardner MJ., Yacoubian S., Geller D., Pode M., Mintz D., Helfet D., Lorich DG.: Prediction of soft tissue injuries in Schatzker II tibial plateau fractures based on measurements of plain x-rays. J Trauma Feb/2006; 60: 319-24.
26. Gardner MJ., Demetrakopoulos D., Briggs SM., Helfet DL., Lorich DG.: The ability of the Lauge-Hansen classification to predict ligament injury and mechanism in ankle fractures: An MRI study: J Orthop Trauma April 2006 29 (4): 267-72.
27. Steinberg EL., Gellar DS., Yacoubian SV., Shasha N., Debel S., and Lorich DG.: Intramedullary Fixation of Tibial Shaft Fractures Using an Expandable Nail: Early Results of 54 Acute Tibial Shaft Fractures. J. Orthop. Trauma May 2006 20 (5): 303-09.
28. Gardner MJ., Brodsky A., Briggs SM., Nielson JH., Lorich DG: Fixation of Posterior Maleolar Fractures Provides Greater Syndesmotic Stability. Clin Orthop Relat Res June 2006 447: 165-171.
29. Gardner MJ, Griffith MH., Demetrakopoulos D., Brophy RH., Grose A., Helfet DL., Lorich DG: Hybrid locked plating of osteoporotic fractures of the humerus. J Bone Joint Surg Sept 06. 88(9): 1962-7.
30. Gardner MJ., Demetrakopoulos D., Briggs SM., Helfet DL., Lorich DG.: Malreduction of the Tibiofibular Syndesmosis in Ankle Fractures. Foot and Ankle Int. Oct 2006; 27(10):788-92.
31. Gardner MJ., Voos JE., Wanich T., Helfet DL., Lorich DG. Vascular Implications of Minimally Invasive Plating of Proximal Humerus Fractures. J Orthop Trauma Nov 2006; 20 (9): 602-07.
32. Gardner MJ., Weil, Y Barker JC., Kelly BT., Helfet DL, Lorich DG: Importance of Medial Support in Locked Plating of Proximal Humeral Fractures. J Orthop Trauma March 2007 21(3):185-191.

33. Toro-Arbalaez JB., Gardner MJ, Shindle MK, Cabos JM, Lorich DG., Helfet DL.: Open Reduction and Internal Fixation of Intraarticular Tibial Plateau Nonunions. *Injury* 2007 Mar; 38(3) 378-83
34. Gardner MJ., Barker JU., Briggs SM., Backus SI., Lane JM., Helfet DL., Lorich DG.: An Evaluation of Accuracy and Repeatability of a Novel Gait Analysis Device. *Archives of Orthopaedic Trauma Surgery* 2007; Apr; 127(3)223-7.
35. Gardner MJ., Boriah V., Hentel, KD, Helfet DL., Lorich DG.: The Hyperflexion Ankle Fracture Variant. *J. Foot and Ankle Surgery* July/August, 2007.(46)4;256-60
36. Sussman P., Ranawat AS., Sheehan M., Lorich DG., Padgett DE., Kelly BT.: Vascular Preservation during Arthroscopic Osteoplasty of the Femoral Head Neck Junction: A Cadaveric Investigation. *Arthroscopy*: 2007 July 23(7) 738-43.
37. Gardner MJ, BriggsSM, Kopjar B, Helfet DL, Lorich, DG.: Radiographic Outcomes of Intertrochanteric Hip Fractures Treated with the Trochanteric Fixation Nail. *Injury* Sept 2007:38, 1189-1196.
38. Gardner MJ., Toro-Arbalaez JB., Boriah V., Lorich DG., Helfet DL.: Surgical Treatment and Outcome of Extraarticular Proximal Tibial Non unions. *Arch OrthopTrauma Surgery*: 2007 June, 21
39. Ranawat AS, DiFelice GS, Suk M, Lorich DG. Helfet DL: Iatrogenic Propagation of Anterior Fracture-Dislocation of the Proximal Humerus: Case Series and Literature Review with Suggested Guidelines for Treatment and Prevention. *Am J Orthop* 2007 Sept, 36 (9) E133-E137.
40. Werner CML, Lorich DG. Gardner MJ, Helfet DL: 5 Points on Ankle Fractures: It is not just a” Simple” Ankle Fracture. *AM J Orthop.* September, 2007: 36(9) 466-469.
41. GardnerMJ, Lorich DG. Werner CML, Helfet DL: Second Generation Concepts for Locked Plating of Proximal Humerus Fracture. *Am J Orthop* Sept 2007 36(9) 460-465.
42. Grose A., Gardner MJ., Hetrich C,Lorich DG. Aspirinio D., Helfet DL: Open Reduction and Internal Fixation of Tibial Pilon Fractures Using a Lateral Approach. *J Orthop Trauma* Sept 2007, 21(8)530-537.
43. Weil Y, Gardner MJ, Pierson G, Mikhail G, Helfet DL, Lorich DG.: Medial Migration of Hip Fixation Devices: A Biomechanical Analysis. *Arch Ortho Trauma Surgery*, Feb 2008:128,227-34.
44. Barker JU., Gardner MJ., Boriah V., Kelly BT., Lane JM., Lorich DG.: Complete Bony Union Achieved after Arthrodesis of Native Glenoid and Acromion to an Allograft Proximal Humerus, A Case Report. *J. Shoulder and Elbow Surgery*, 2007 Nov 22.

45. Sussman P., Ranawat AS., Lipman J., Lorich DG., Padgett DE., Kelly BT.: Arthroscopic versus Open Osteoplasty of the Femoral Head Neck Junction. A Cadaveric Investigation. *Arthroscopy* 2007 Dec; 23(12):1257-64.
46. Robertson W, Gardner MJ, Barker JU, Boraiah S, Lorich DG, Kelly BK: Anatomy of Dimensions of the Gluteus Medius Tendon Insertion. *Arthroscopy*.2008 Feb; 24(2)130-6.
47. Gardner MJ., Toro-Arbalaez JB., Harrison M., Hierholzer C., Lorich DG., Helfet DL.: Open Reduction Internal Fixation of Distal Femoral Nonunions: Long-term Functional Outcomes Following a Treatment Protocol. *J Trauma* 2008 Feb; 64(2):434-38.
48. Gardner MJ., Boriah V., Helfet DL., Lorich DG.: The Anterolateral Acromial Approach For Fractures of the Proximal Humerus. *J. Orthop Trauma* 2008 Feb; 22(2) pg 132-37.
49. Gardner, MJ, Boriah V, Helfet DL, Lorich DG: Indirect Medial Reduction and Strut Support of Proximal Humerus fracture Using Endosteal Implant, Accepted for Publication *J Orthop Trauma* June, 2007.
50. Weil Y, Boriah V, Helfet DL, Lorich DG: Anterior Knee Pain following the Lateral Parapatellar Approach for Tibial Nailing. Accepted *J Trauma* 9/07.
51. Weil Y,Boriah V, Asprinio D, Lorich DG, Helfet DL: Posteromedial Supine Approach for Reduction and Fixation of Medial and Bicondylar Tibial Plateau Fractures. Accepted *J Orthop Trauma* 9/07.
52. Voos J, Drakos M, Asprinio D, Lorich DG, Fealy S: Proximal Tibia Fracture following ACL Reconstruction using Bone-Patellar Tendon-Bone Autograft A Case Report. Accepted *Hospital for Special Surgery Journal* 9/07.
53. Boriah.V, Gardner.MJ, Helfet.DL, Lorich DG: High Association of Posterior Malleolus Fractures with Spiral Distal Tibial Fractures. Accepted *Clin Orthop* 10/07.
54. Lenart BA,Lorich DG, Lane JM: Atypical Fractures of the Femoral Diaphysis in Postmenopausal Women on Alendronate Therapy, Accepted *NEJM* 1/08.
55. Neviasser A, Lenart BA, Lane JM, Lorich DG.: Low Energy Femoral Shaft Fractures Associated with Alendronate Use. Accepted *J Orthop Trauma* 1/08.
56. Gardner MJ, Robertson W, Kelly B, Lorich DG: Anatomy of the Greater Trochanteric “Bald Spot” Accepted *Clin Ortop* 2/08.

BOOK CHAPTERS:

1. Helfet DL, Lorich DG, Fractures of The Distal Femur. In: *Skeletal Trauma*, Ed. 2, Editors: B.D. Browner, J. B. Jupiter, A. M. Levine, P.G. Trafton, W.B Saunder, Philadelphia, PA © 1998

2. Lorich DG, J. Nielson, D. Gellar. Osteoporotic Pertrochanteric Hip Fractures: Management and Controversy. In: Instructional Course Lecture, Vol. 53, 2004. American Academy of Orthopaedic Surgeons. Rosemont, IL
3. Gardner MJ, Lorich DG, JM. Lane. Osteoporotic Femoral Neck Fractures: Management and Current Controversies. In: Instructional Course Lecture, Vol. 53, 2004. American Academy of Orthopaedic Surgeons, Rosemont, IL.
4. Gardner MJ., Johnson EE., and Lorich DG: Subtrochanteric Femur Fractures: ORIF. In: Master Techniques in Orthopaedic Surgery: Fractures, Editor: Donald A. Wiss. Lippincott Williams and Wilkins Philadelphia, PA 2006.
5. Gardner MJ., Lorich DG., Helfet DL., Case Presentations. In: AO Manual of Internal Fixation – Using LCP or LISS. Editor Michael Wagner. AO International / AO Publishing: Switzerland, 2006
6. Lorich DG., Gardner MJ., Plates. In: AO Principles of Fracture Management: 2nd Edition. Editors: Thomas Ruedi, Richard Buckley, Christopher Moran. AO International/AO Publishing, Switzerland, 2007.
7. Gardner MJ., Helfet DL., Lorich DG., Trauma to the Pelvis and Extremities. In: Surgery: Basic Science and Clinical Evidence, 2nd Edition. Editors: Jeffrey A. Norton, Randall Bollinger, Philip S. Barie, Alfred E. Chang, Stephen F. Lowry, Sean J. Mulvihill, Harvey I. Pass, Robert W. Thompson. Springer-Verlag, NY, NY In press
8. Gardner MJ., Kelly BT., and Lorich DG., Treatment of Glenoid Fractures and Injuries to the Superior Shoulder Suspensory Complex. In: Acute and Reconstructive Techniques in Complex Traumatic Injuries to the Upper Extremity. Editors David Dines, Dean G. Lorich, David L. Helfet. Thieme Publishing. (In Press)
9. Shindle M., Lorich DG., Kelly BT, Open Treatment of Hip Cartilage Injuries In: Surgical Techniques in Hip Arthroscopy and Joint Preservation Surgery. Editors; Jon Sekiya, Marc Safron, Anil Ranawat, Michael Levnig. In Progress.

TEXTBOOK EDITOR:

1. Dines D, Lorich DG, Helfet DL: Solutions for Complex Upper Extremity Trauma. Thieme Publishing (In Press).

INVITED LECTURES:

1. Texas Tech El Paso May 22, 1996 – Grand Rounds “ Biochemical Mediators Of Experimental Heterotopic Ossification”
2. University Of Hawaii May 11, 1997 – Orthopaedic Grand Rounds: “ Treatment Of Calcaneus Fractures”

3. University of Hawaii September 11, 1997 – Surgery Grand Rounds “Acute Management of Pelvic Fractures”
4. Albert Einstein School of Medicine May 27, 1998 – Orthopaedics Grand Rounds, “Treatment of Pelvic Fractures”.
5. Albert Einstein School of Medicine –July 15, 1998 – Orthopaedic Grand Rounds: “Treatment of Tibial Plateau Fractures”
6. Invited Lecturer
AO/ASIF Basic Course, Hospital for Special Surgery, NY September 30 – August 2, 1998
“Diagnosis and Treatment of Tibial Plateau Fractures”
“Management of Fracture Mal/Nonunion”.
7. Montefiore Medical Center – September 16, 1998 – Orthopaedic Grand Round
“Acute Management and Treatment of Pelvic Fractures”.
8. University Of Kyoto, Kyoto, Japan – October 27, 1998 – Orthopaedic Grand Rounds,
“Evaluation and Treatment of Tibial Plateau Fractures”.
9. University Of Tokyo, Tokyo, Japan – October 29, 1998 – Orthopaedic Grand Rounds,
“Evaluation and Treatment of Tibial Plateau Fractures”.
10. SUNY Downstate – February 13, 1999 – AO/ASIF Resident Course.
11. Sound Shore Medical Center, New Rochelle, NY – Orthopaedic Grand Rounds –
“Use of Intramedullary Hip Screw In The Treatment Of Intertrochanteric Femoral Fractures”, 4/7/99
12. Penn State University, Hershey, PA. – Orthopaedic Grand Rounds – “Diagnosis And Treatment of High Energy Tibial Plateau Fracture”, 4/8/99.
13. Invited Lecturer
Symposium: “Fractures Of The Proximal Femur” San Francisco, California
-“The Trochanteric Gamma Nail For Intertrochanteric Fractures” 5/22/99
14. Invited Lecturer
Symposium: “Fractures Of The Proximal Femur”, Orlando, Florida
-“Trochanteric Gamma Nail For Intertrochanteric Fractures” 6/19/99
15. Course Chairman - Symposium: Preoperative Care Of The Orthopaedic Trauma Patient. Montvale, NJ 9/18/99
“Treatment Options for Proximal Femoral Fractures”

16. Invited Lecturer
Symposium: “Fractures of the Proximal Femur,” “Anchorage, Alaska. 11/04/99
“Trochanteric Gamma Nail for Intertrochanteric Fractures”
17. Invited Lecturer
Symposium: Trauma Update NY, NY 12/04/99
-“The Treatment of Proximal 1/3 Tibia Fractures.”
18. Invited Lecturer
Symposium: Avoiding Complications and Improving Outcome – Orthopaedic
Surgery, St. Thomas, Virgin Islands
 - Diagnosis and Treatment of Talus and Calcaneal Fractures. 12/10/99
 - Management of Tibial Platfond Fractures, 12/11/99
 - Management of Distal Tibial Fractures, 12/10/99
19. Guest Speaker
Seminar: Clinical Applications and Mechanisms of Physical Forces in Bone and
Cartilage Repair.
“Capacitive Coupling” Applications – Miami, Florida 1/5/00 – 1/8/00
20. Invited Lecturer
AO/ASIF Principles of Fracture Management – UMDNJ, East Brunswick, N.J.
1/19/00 – 1/23/00
- “Bridge Plating”
21. Invited Lecturer
AO/ASIF Principles of Fracture Management and Advanced Controversies in Fracture
Care – Colorado Springs, Colorado 3/25/00 – 3/30/00
 - “Femoral Shaft Fractures – The IM Rod”
 - “Management of the Unstable Pelvis in the Unstable Patient”
 - “Bone Grafting – Is Autologous Bone Still the Best”
22. Invited Speaker
Symposium: Columbia University “Current Techniques in Upper and Lower
Extremity Trauma” 5/6/00 – 5/7/00. New York, NY
-“Femoral Shaft Fractures – Rods I Have Known”
-“Does Arthroscopy Improve Articular Reduction”
23. Visiting Professor Karolinska Hospital, Stockholm, Sweden 6/5/00 – 6/8/00
 - “Calcaneus Fractures”
 - “New Techniques in Treatment of Tibial Plateau Fractures”
 - “Tibial Plafond Fractures”
24. Invited Lecturer
Symposium: “Fractures of the Proximal Femur” Denver Colorado 6/10/00
- “Intramedullary Hip Screw in the Treatment of Intertrochanteric
Fractures”

25. Invited Lecturer
Symposium: Trauma Series 2000: NY, NY 8/4/00 – 8/5/00
-“Treatment of Intertrochanteric Hip Fractures”
26. Visiting Professor – The American Hospital, Istanbul, Turkey 9/2/00
Symposium: Orthopaedic Trauma
-“New Techniques in the Treatment of Tibial Plateau Fractures”
-“Hip Fractures – Osteosynthesis”
-“ORIF Tibial Plafond Fractures”
27. Resident Course Co-Chairman: Techniques in Fracture Management
Kansas City, MO 9/10/00
– “External Fixation”
28. Invited Speaker:
VIIIth Annual Symposium: Current Concepts in Hip Trauma and Reconstructive Hip Surgery” New York Medical College: Westchester, NY 10/26/00
- “Treatment of Intertrochanteric Hip Fractures”
29. Invited Speaker:
1st Annual Howard Rosen Memorial Conference, Hospital for Joint Diseases NY, NY 10/28/00
- “Treatment of Subtrochanteric Fractures”
30. Invited Speaker:
Symposium: Annual Hennepin County Medical Orthopaedic and Trauma Seminar
Minneapolis, Minnesota November 2-4, 2000
- “IM Nailing of Subtrochanteric Fractures”
- “Percutaneous Femoral Nailing”
31. Invited Lecturer:
National Association of Orthopedic Nurses. Minneapolis, Minnesota,
November 2-4, 2000
32. Visiting Professor – University of Massachusetts, Worcester, Mass 11/7/00-11/8/00
- Orthopaedic Grand Rounds – “Treatment of Pertrochanteric Hip Fractures”
33. Invited Lecturer:
“Orthopaedic Grand Rounds” – Albert Einstein College of Medicine/Montefiore
Medical Center Bronx, NY – 11/20/00
“Treatment of Pertrochanteric Fractures”
34. Invited Speaker:
Symposium: Trauma Update, New York, NY 12/2/00
-Techniques in Nailing Proximal Tibia Fractures”
35. Invited Speaker:

- Symposium: Avoiding Complications and Improving Outcome in Orthopaedic Surgery - St. Thomas, VI 12/6/00 – 12/9/00
 – “Overview of Current Methods in the Treatment of Calcaneal Fractures”
36. Visiting Professor
 SUNY Stonybrook, Department of Orthopaedic Surgery, NY 12/13/00
 - Grand Rounds - “Treatment of Pertrochanteric Hip Fractures”
37. Invited Speaker
 15th Annual Vail Orthopaedic Symposium – “Trauma Update”
 Colorado 1/18/01 – 1/21/01
 “Tips/Techniques for Nailing Proximal 1/3 Tibia Fractures”
38. Visiting Professor
 Orthopaedic Grand Rounds – University of Massachusetts, Worcester, Ma – 4/11/01
 “Treatment of Complex Injuries of the Tibial Plateau and Plafond”
39. Visiting Professor
 Orthopaedic Grand Rounds – University Of South Alabama, Mobile, Ala. – 4/27/01
 “Treatment of Complete Injuries of the Tibial Plateau and Plafond”
40. Invited Speaker:
 Symposium: 3rd Annual Warren Wetzel Trauma/Emergency Medicine Symposium
 Jacobi Medical Center, Bronx, New York, 5/2/01
 - Panel Discussion – “Management Of Complex Pelvic Fractures”
41. Visiting Professor:
 “Orthopaedic Trauma Rounds” Weill Medical College of Cornell University,
 Department of Orthopaedic Surgery, New York Hospital 5/08/01
 -“Treatment of Pertrochanteric Hip Fractures”
42. Invited Speaker:
 Symposium: Trauma Update, Philadelphia, PA 5/18/01
 -“Treatment of Proximal 1/3rd Tibial Fractures”
 -“Treatment of Tibial Plafond Fractures”
43. Invited Speaker:
 AO/ASIF Principles of Fracture Management and Advanced Controversies in Fracture
 Care Course- Ponte Vedra Beach, Fla. 5/18/01 – 5/23/01
 - Lecture - “Radius And Ulna Fractures”
 - Debate - “Treatment Of Distal Radius Fractures”
44. Invited Speaker:
 Symposium: Columbia University “Current Techniques in Upper and Lower
 Extremity Trauma”. New York, NY 6/1/01 – 6/2/01
 -“Tips and Techniques in Fracture Reduction of Intertrochanteric and
 Femoral Shaft Fractures”

45. Invited Speaker:
Symposium: Howard Rosen Memorial Trauma Symposium
Hospital for Joint Diseases. New York, NY 10/27/01
-“Acetabular Fractures: Which Ones to Fix?”
-“Bone Graft Substitutes”
46. Invited Faculty – New York Trauma Update, New York, NY 12/1/01
New York, NY
- “Tips and Techniques for Proximal Tibial Nailing”
-”Bone Graft Substitutes”
47. Invited Speaker:
Symposium: Avoiding Complications and Improving Outcome in Orthopaedic
Surgery – Staten Island University Hospital
St. Thomas, VI 12/4/01 – 12/6/01
-“Management of Trimalleolar Ankle Fractures”
-“Management of Calcaneus Fractures and Lisfranc Fractures”
48. Invited Speaker:
Grand Rounds - University of Colorado, Department of Orthopaedic
Surgery; Denver, Co. – 1/9/02
-“What’s New in Ankle Fractures”
49. Invited Faculty:
Vail Trauma Update Meeting Vail, Colorado
1/24/02 – 1/27/02
-“Tips and Techniques for Proximal Tibial Nailing”
50. Invited Speaker:
Grand Rounds – Department of Orthopaedic Surgery SUNY
Stoneybrook 1/30/02
-“What’s New in ankle Fractures”
51. Invited Speaker:
AAOS 2/15/02, Dallas, TX
Debate: Proximal Tibia Fractures – Rod vs. Ex Fix vs. Plate”
52. Invited Speaker:
Emergency Department Grand Rounds, New York Presbyterian
Hospital; Weill-Cornell Medical College. NY, NY 4/12/02
“Acute Management of pelvic Fractures”
53. Invited Speaker:
Orthopaedic Grand Rounds, New York Hospital Queens, NY, NY
4/12/02 “Acute Management of Pelvic Fractures”
54. Course Co-Chairman:

AO/ASIF “Less Invasive Stabilization System (LISS)” Surgeon Training
Course NY, NY 4/20/02
-“Treatment of Distal Femur Fractures”

55. Invited Speaker:
The Hauptstadt Kongress for Anesthesiology and Intensive Care. Berlin,
Germany 5/2/02 – 5/4/02
-“Disaster Management Following the World Trade Center Attack”
56. Invited Speaker
Trauma Update, Philadelphia, PA 5/3/02-5/4/02
-“Tips and Techniques for Nailing Proximal Tibia Fractures”
-“Bone Graft Substitutes”
57. Invited Speaker
Chicago Trauma Symposium, Chicago, IL 8/1/02 – 8/4/02
-“Treatment of Intertrochanteric Fractures”
-“Treatment of Proximal Humerus Fractures”
58. Invited Speakers:
AO Symposium SICOT, San Diego, CA, 8/27/02
“The Internal Fixators – A new AO Principle”
59. Course Co-Chairman, AO/ASIF Resident Basic Course NY, NY
Sept. 26 – 29, 2002
- “Bridge Plating”
- “Intertrochanteric Hip Fractures”
60. Invited Faculty:
New York State Orthopaedic Society, “1st Annual Controversy –
Orthopaedic Surgery” New York, New York 9/28/02
- Debate : Intertrochanteric Hip Fractures – IM
Nails as the Treatment of Choice”
61. Invited Faculty:
Annual Hennepin County Medical Center Orthopaedic
And Trauma Seminar, Minneapolis, MN 10/17/2002 thru 10/19/2002
- Debate: “IM Nails is Treatment of Choice – Open Tibia
Fracture”
- Debate : “Intertrochanteric Hip Fracture – IM Nails is the Treatment
of Choice”
- “Tips for Retrograde Nails of Femur Fractures”
62. Invited Faculty:
3rd Annual Howard Rosen Memorial Symposium
Hospital for Joint Disease, New York, NY 10/26/2002
- Debate: “Intertrochanteric Hip Fractures – IM Nails is

The Treatment of Choice”

63. Invited Faculty:
Symposium: Trauma Series 2002 – New York, NY
 - “Tips and Techniques for Nails Proximal 1/3 Tibia Fracture”
 - “ Bone Graft Substitute”
64. Invited Faculty:
Resident Training Program, Newport, RI November 15-17, 2002
 - “Ankle Fractures”
65. Invited Speaker:
Symposium: Avoiding Complications and Improving Outcome –
Orthopaedic Surgery Staten Island University Hospital St.Thomas,
Virgin Islands 12/4/02 – 12/7/02
 - “Tip and Techniques for Nails Proximal 1/3 Tibia Fracture”
 - “Controversies in Orthopaedics – Nailing Intertrochanteric Hip Fractures”
66. Invited Faculty:
AO/ASIF “Principles” Course – Davos, Switzerland, 12/8 – 12/13/02
 - “Absolute Stability – Tension Band Wiring”
67. Invited Faculty:
17th Annual Vail Orthopaedic Symposium – Vail Colorado,
January 13-17, 2003.
 - “Tips and Techniques for Nailing Proximal 1/3 Tibia Fractures”
68. Invited Grand Rounds Speaker:
Thomas Jefferson Medical School, Department of Orthopaedics
Surgery, Philadelphia, PA 1/22/03
“Treatment of Pertrochanteric Hip Fractures”
69. Institutional Course Lecture #134. American Academy of Orthopaedic Surgeons.
New Orleans, LA 2/6/02
 - “Symposium – Treatment and Prevention of Osteoporotic Hip Fractures”
 - Intertrochanteric Hip Fractures
70. American Academy of Orthopaedic Surgeons, New Orleans, LA 2/6/02
 - Up Close and Personal #901 “Fractures about the Hip”
71. Invited Grand Rounds Speaker:
Columbia University Department of Orthopaedic Surgery
New York, NY 2/27/03
“Treatment of Complex Distal Femur Fractures”
72. Invited Faculty:

AO/ASIF Principles of Fracture Management and Advanced Controversies in Fracture Care Course” March 22-27, 2003, Colorado Spring, CO.

- “Forearm Fractures”
- “Use of External Fixators in Treatment of Periarticular Tibia Fractures”
- “ Intramedullary Nailing of Humeral Shaft Fractures”

73. Invited Faculty:

AO/ASIF Advanced Symposium: Solution for Complex Fractures and Failed Internal Fixation. May 1-4, 2003, NY, NY.

“Treatment of Supracondylar Humerus Fractures”

74. Invited Grand Rounds Speaker:

University of Florida, Department of Orthopaedic Surgery

Jacksonville, Fla 5/23/03

“Evolution of Plating Fractures”

75. Invited Faculty:

5th Annual Chicago Trauma Symposium. August 8-10, 2003 Chicago, IL

“Treatment of Subtrochanteric Fractures”

76. Invited Grand Rounds Speaker:

Northwestern University Department of Orthopaedic Surgery, Chicago, IL, August 8, 2003

“Evolution of Plating Fractures”

77. Invited Faculty:

4th Annual Howard Rosen Memorial Symposium Hospital for Joint Disease, NY, NY 10/24/03 “What’s New in Intertrochanteric Hip Fractures.”

78. Invited Speaker:

AO Faculty Development Forum, Amelia Island, Florida,

11/13/03-11/16/03. “IM Nailing of Peritrochanteric Hip Fractures.”

79. Invited Speaker:

Symposium: Staten Island University Hospital in Cancun, Mexico 12/9/03-12/11/03.

“Avoiding complications and Improving Orthopaedic Surgery”

Debate: “Complex Distal Femur Fractures-ORIF vs. TKA”

“Staged Treatment of Tibial Plafond Fractures.”

“Treatment of calcaneal fractures.”

80. Invited Speaker:

AONA Locked Plating Symposium, Philadelphia, PA. 1/17/04.

“What’s New in Intertrochanteric Hip Fractures”

81. Invited Speaker:
 AO/ASIF Resident's Course. Baltimore, MD. 1/28/04 – 2/01/04
 - "Classification of Fractures"
 - "Hardware Removal"
82. AAOS Instructional Course #161, Treatment and Prevention of Osteoporotic Hip Fractures. San Francisco, CA 3/10/04 "Treatment of Intertrochanteric Fractures".
83. AAOS Specialty Day – Limb Lengthening & Reconstruction Society. San Francisco, CA 3/13/04
 - Debate: ORIF Tibial Plateau Fractures.
84. Invited Faculty:
 AO International – Advances in Minimally Invasive Plate Osteosynthesis, Singapore, Thailand 4/14 – 4/17/04.
 - Debate: "Intramedullary Nails vs. MIPO"
 - "Approaches and Technique for Distal Femur Fractures"
85. Invited Grand Rounds Speaker:
 University of Pennsylvania Department of Orthopaedic Surgery Philadelphia, PA 6/16/04.
 - "Distal Femur Fractures – MIPO techniques and approaches"
86. Invited Faculty:
 AO International – AO Advanced Course Cape Town, South Africa 7/21/04 – 7/24/04
 - "Minimally Invasive Surgery, including MIPO, LISS"
 - "Intertrochanteric Fractures – North American Experience"
 - "Complex Proximal Tibial Plateau Fractures – North American Experience"
87. Invited Faculty:
 6th Annual Chicago Trauma Symposium Chicago, Illinois 8/12/04 – 8/15/04
 - "Subtrochanteric Femur Fractures – New Advances"
88. Invited Faculty:
 AO International Symposia "Innovations in Trauma Surgery" Berlin, Germany 9/17/04 – 9/18/04
 - "Did we improve the treatment of proximal femur fractures with Angular Stable Implants"
89. Invited Faculty:
 Orthopaedic Trauma Association Residents' Course. Ft. Lauderdale, Fla. Oct. 10, 2004.
 - "distal humerus fractures"

90. Invited Faculty:
Tri state Trauma Symposium. New York, NY October 30, 2004.
- Debate: “Antegrade vs. Retrograde Femoral Nailing”
91. Invited Faculty:
AO International – Masters Forum Bombay, India 11/5/04 – 11/7/04
- Debate – “Humeral Shaft Fractures – Nail Fixation”
- Debate – “Peritrochanteric Hip Fractures
- Malunions / Deformity – Definition/Assessment/Planning”
- “Proximal Tibial Non / Malunions”
92. Course Co-Chairman:
AO International – Masters Course – Davos
Davos, Switzerland 12/4/04 – 12/9/04
93. Invited Faculty:
AO/ASIF Pelvic and Acetabular Fracture Management Course
Birmingham, Al 6/9/05 – 6/12/05
94. Grand Rounds Speaker:
Department of Emergency Medicine, Weill College of Medicine of
Cornell University. New York, NY 6/22/05
“Acute Management of Pelvic Fractures”
95. Invited Speaker:
Western Orthopaedic Association – Annual Meeting Kona, Hawaii
7/23/05.
- “Intramedullary Nailing of Intertrochanteric Hip Fractures”
96. Invited Faculty:
AO International Master’s Symposium, Hyderabad, India
10/6/05-10/8/05
- “Treatment of Unstable Intertrochanteric Fractures”
- “ORIF Distal Femoral Fractures (LISS/LCP)
- “Treatment of Fracture of the Tibial Plafond”
- “Treatment of 3 and 4 Part Proximal Humerus Fractures”
- “Treatment of Fractures of the Humeral Shaft”
97. Invited Faculty:
Orthopaedic Trauma Association’s Residents Course 10/22/05, Ottawa,
Canada
- “Distal Humerus Fractures”

98. Invited Faculty:
 AAOS Instructional Course Lecture #3737
 “Current Concepts in Proximal Humerus Fractures. An Intensive One Day Experience”. 11/4/05. Washington, DC
- “Humerus Fractures: Evaluation and Classification”
 - “ORIF of 3 and 4 part Proximal humerus fractures”
99. Course Co-Chairman:
 AO International: Master’s Symposium Davos, Switzerland 12/11/05-12/16/05.
- “Specific Applications of Locked Internal Fixators – Proximal Femur”
 - “Treatment of Complex Fractures of the Proximal Tibia”
 - “New Techniques – Intramedullary Nailing – TFN”
100. AAOS 2006 Annual Meeting: Instructional Course #164
 “Hip Fracture Controversies: Interactive Case Presentation and Discussions.”
 Chicago, IL 3/22/06
101. Invited Speaker:
 8th Annual Chicago Trauma Symposium. Chicago IL. 7/27/06-7/29/06.
 “ORIF” of humeral shaft fractures”
102. Invited Speaker:
 AO Trauma Symposium. Shanghai, China 9/21/06
 “Intramedullary Nailing of humeral shaft fracture”
103. Invited Grand Rounds Speaker:
 Department of Emergency Medicine, Weill College of Medicine of Cornell University / New York Presbyterian Hospital. New York, NY 10/11/06
 “Management of Hip Fractures”
104. Invited Speaker:
 New York State Orthopaedic Society
 Annual Symposium New York, NY 10/14/06
 Debate “Management of Intertrochanteric Hip Fractures”
 DHS vs. Gottfried plate vs. IMHS
105. Invited Speaker:
 International Learning and Training Program: The Orthopaedic Treatment of Osteoporosis. Hospital for Special Surgery, NY, NY October 28, 2006.
- Lower extremity osteoporotic fractures
 - “Femoral neck fractures”
 - Intertrochanteric Hip Fractures
106. Invited Speaker:
 HSS Alumni Association 88th Annual Meeting, Nov 10, 2006 NY, NY.
 Debate: “Pro vs. Con of Locked Plating of the Proximal Humerus”

107. Invited Speaker:
Second AO IM Nailing Experts Symposium,
July 13-14, 2007. Innsbruck, Austria.
- “Research on Anatomy of entry Points of the Proximal Femur”
 - “TFN Results of Clinical Study”
108. Invited Speaker:
Ninth Annual Chicago Trauma Symposium
August 10-12, 2007 Chicago Illinois
- “Femoral Neck Fractures: My Thoughts”
 - “Proximal Humerus Fracture: Evaluation of Treatment”
109. Invited Speaker:
AO Technical Commission- Trauma
Locking Compression Plate (LCP) and Expert Nail System North American Users
Meeting Chicago, Illinois August 24-25, 2007
Debate:
- “Proximal Humerus Fractures-Plate”
 - “Femoral Neck Fractures-ORIF”
110. Grand Rounds: Landstuhl Regional Medical Center, Landstuhl, Germany
- What’s new in Ankle Fractures 10/2/2007
 - “Proximal Humeral Fractures-Locked Plating: 10/9/2007
111. Invited Speaker:
HSS Alumni 89th Annual Meeting, Hospital for Special Surgery, New York, N.Y.,
November 9, 2007
- Debate: TFN vs. DHS Treatment of Intertrochanteric Hip Fractures
112. Instructional Cause Lecture:
AAOS 75th Annual Meeting, San Francisco, CA 3/7/2008
- “Hip Fracture Controversies: Interactive Case Presentation and Discussion”

EDITORIAL BOARDS:

1. Bone and Joint Diseases: Index and Reviews. Section Editor For Trauma
1/96 - 5/96
2. Clinical Orthopaedic and Related Research. Section Reviewer For Trauma
5/98-Present
3. Techniques in Knee Surgery – Reviewer for Trauma 4/05-present
4. Journal of Trauma. Ad hoc orthopaedic trauma reviewer. 5/05-present

GRANTS:

1. AO/ASIF Foundation – D. L. Helfet And D. G. Lorich : Project 96 – H55
“Evaluation of Biochemical Mediators of Heterotopic Ossification” (\$42,500)
Approved May 15, 1996 Renewed September, 1997 - \$46,355
2. Disc Orthopaedic Technologies – Lorich DG, Helfelt DL: “Biomechanical evaluation of an inflatable nail in a humeral, femoral and tibial osteotomy model”
May, 2003 - \$50,000
3. Synthes – Lorich DG: “Rigidity of Locking Compression Plates in Osteoporotic Bone”
September 2002 -\$35,000
4. Zimmer – Lorich DG: “Anatomic evaluation for percutaneous humeral plating”
February 2003 - \$30,000
5. Synthes-Lorich DG: “Vascularity of the Femoral Head”
September 2006- \$20,000.00
6. Synthes- Lorich DG: “ Vascularity of the Humeral Head”
November 2007-\$26,000.00

SOCIETY MEMBERSHIP:

1. American Academy Of Orthopaedic Surgeons – Fellow 2001
2. American Orthopaedic Foot And Ankle Society
3/00 – Present
3. Society for Physical Regulation in0 Biology and Medicine
3/00 - Present
4. Orthopaedic Trauma Association – 3/01 - Present
5. Eastern Orthopaedic Society – 8/01 – Present
6. Gladden Society 8/01-present

MEDICAL LICENSE:

1. New York
2. Hawaii