

CURRICULUM VITAE – 2005

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PLACE OF BIRTH: Houston, Texas
DATE OF BIRTH: November 23, 1945

UNDERGRADUATE SCHOOL:

Seton Hall University
South Orange, New Jersey 1967 (B.A.)

MEDICAL SCHOOL:

College of Medicine and Dentistry of New Jersey
New Jersey Medical School
Newark, New Jersey 1971 (M.D.)

INTERNSHIP:

St. Barnabas Medical Center
Livingston, New Jersey
Straight-Surgical 1972

RESIDENCY:

College of Medicine and Dentistry of New Jersey
New Jersey Medical School
Newark, New Jersey
Orthopaedic Surgery 1973-1977

STATE LICENSURE:

New Jersey #026562
New York #115771
Florida #036567

BOARD CERTIFICATION:

American Board of Orthopaedic Surgery 1978

FELLOWSHIP:

American Academy of Orthopaedic Surgeons 1983

American College of Surgeons 1982

AWARDS:

1963 Eagle Scout Award

1963 NJSIAA-State Wrestling Champion

1965-1967 MIWA-Intercollegiate Wrestling Champion

1965-1971 N.J. AAU-State Wrestling Champion
(Freestyle) (Greco-Roman 1967)

1967 NCAA All American Wrestler at Seton Hall University

1967 Seton Hall University-JFK Outstanding Scholar-Athlete Award

1967 Eastern Collegiate Athletic Association Outstanding Scholar-Athlete Award

1975-76, 77 Outstanding Orthopaedic Resident Research Paper Award-UMDNJ-N.J. Medical School, Orthopaedic Alumni Society

1976 Founder's Award for Resident Research-Eastern Orthopaedic Association

1981 Seton Hall University Athletic Hall of Fame Induction - Wrestling

1983-1985 O.S.T. Society Award for Scientific Excellence

1988 Seton Hall Prep Athletic Hall of Fame Induction-Wrestling

1989 Emmet Lunceford Scientific Award-O.S.T. Society, BonAire, N.A.

1990 Emmet Lunceford Scientific Award-O.S.T. Society, Grand Cayman ,
Island, British West Indies.

1991 Emmet Lunceford Scientific Award-O.S.T. Society, Cozumel, Mexico.

- 1993 Emmet Lunceford Scientific Award-O.S.T. Society, Providenciales Turks and Caicos Island, B.W.I.
- 1993 Poseidon Award-O.S.T. Society, Providenciales Turks and Caicos Island, B.W.I.
- 1994 Emmet Lunceford Scientific Award-O.S.T. Society, Lizard Island, Australia
- 1994 Poseidon Award-O.S.T. Society, Lizard Island, Australia
- 1995 Emmet Lunceford Scientific Award-O.S.T. Society, Ambergris Caye, Belize
- 1997 Emmet Lunceford Scientific Award-O.S.T. Society, Bon Aire, NA
- 1998 Emmet Lunceford Scientific Award-O.S.T. Society, St. Lucia, West Indies
- 1999 Emmet Lunceford Scientific Award-O.S.T. Society, Peter Island, BVI
- 2000 Emmet Lunceford Scientific Award-O.S.T. Society, Dommenica, West Indies
- 2001 Emmet Lunceford Scientific Award-O.S.T. Society, Palau, Micronesia
- 2002 Distinguished Alumnu of the Year, UMDNJ – NJ Medical School
- 2002 Emmet Lunceford Scientific Award-O.S.T. Society, Little Camyan Island
- 2002 Established Frederick F. Buechel, MD Chair for Joint Replacement in the Dept. of Orthopaedic Surgery at UMDNJ – NJ Medical School by way of philanthropic grant.
- 2002 Established the Buechel Patient Care Research & Education Fund
- 2003 Outstanding American, National Wrestling Hall of Fame, NJ Chapter
- 2004 Emmet Lunceford Scientific Award-O.S.T. Society, Curacao, N.A.
- 2004 Poseidon Award-O.S.T. Society, Curacao, Neth. Antilles

PUBLICATIONS

Buechel, FF, Femino, FP, D'Alessio J: Primary Exchange Revision Arthroplasty for Infected Total Knee Replacement: A Long-Term Study. *The American Journal of Orthopedics*, Vol XXXIII, #4, 190-198, 2004.

Buechel, FF, Sr, Buechel, FF, Jr, Helbig, TE: Two- to 12-Year Evaluation of Cementless Buechel-Pappas Total Hip Arthroplasty. *The Journal of Arthroplasty*, Vol 19 #8, 1017-1027, 2004.

Buechel, FF, Sr, Buechel, FF, Pappas, MJ: Twenty-Year Evaluation of Cementless Mobile Bearing Total Ankle Replacements. *Clinical Orthopaedics and Related Research*, #424, 19-26, 2004.

Buechel FF, Dennis DA, Murray DW, Scuderi GR, Greenwald AS (moderator): Round Table Discussion on Mobile-Bearing Knees. *Orthopedics Today*, Vol 23, #12, 30-36, 2003.

Buechel FF: Recurrent LCS Rotating Platform Dislocation in Revision Total Knee Replacement: Mechanism, Management, and Report of Two Cases. *Orthopedics*, Vol 26, # 6, 647 - 649, 2003.

Buechel FF, Sr, Buechel FF, Jr, Pappas, MJ: Ten-Year Evaluation of Cementless Buechel-Pappas Meniscal Bearing Total Ankle Replacement. *Foot & Ankle International*, Vol 24, # 6, 462 - 472, 2003.

Buechel FF: Mobile Bearing Knee Replacement. In Callaghan JJ, Rosenberg AG, Rubash H, et al (eds). *The Adult Knee*. Philadelphia, Lippincott Williams & Wilkins Vol II:1163-1176, 2003.

Buechel FF: Lateral Approach. In Lotke PA, Lonner JH (eds). *Master Techniques in Orthopaedics Surgery: Knee Arthroplasty 2nd Edition*. Philadelphia, Lippincott Williams & Wilkins 15-27, 2003.

Buechel FF: Long-Term Followup After Mobile-Bearing Total Knee Replacement. *Clin Orthop* 404:40-50, 2002.

In Hamelynck KJ, Steihl JB (eds). *LCS Mobile Bearing Knee Arthroplasty 25 Years of Worldwide Experience*. Springer-Verlag, Germany 19-28, 2002.

Buechel FF: History: The evolution of the LCS mobile bearing knee design. In Hamelynck KJ, Steihl JB (eds). *LCS Mobile Bearing Knee Arthroplasty 25 Years of Worldwide Experience*. Springer-Verlag, Germany 19-28, 2002.

Buechel FF: History: Surgical Technique of the LCS. In Hamelynk KJ, Steihl JB (eds). LCS Mobile Bearing Knee Arthroplasty 25 Years of Worldwide Experience. Springer-Verlag, Germany 121- 135, 2002.

Buechel FF: History: Complication and Managment: Bearing Exchange. In Hamelynk KJ, Steihl JB (eds). LCS Mobile Bearing Knee Arthroplasty 25 Years of Worldwide Experience. Springer-Verlag, Germany 241-245, 2002.

Buechel FF: History: Mobile Bearings in Revision TKA. In Hamelynk KJ, Steihl JB (eds). LCS Mobile Bearing Knee Arthroplasty 25 Years of Worldwide Experience. Springer-Verlag, Germany 271-280, 2002.

Buechel FF: Die Knieendoprothese. In Konermann W, Haaker R (eds). Navigation und Robotic in der Gelenk-und Wirbelsaulenchirurgie. Springer-Verlag, Germany 181-188, 2002.

Buechel Sr FF: Knee Arthroplasty in Post-Traumatic Arthritis. Journal of Arthroplasty 17:63-68, 2002.

Buechel Sr FF, Buechel Jr FF, Pappas MJ, D'Alessio J: Twenty-Year Evaluation of the New Jersey LCS Rotating Platform Knee Replacement. Journal of Knee Surgery 15:84-89, 2002.

Buechel Sr FF, Buechel Jr FF, Pappas MJ: Eighteen-Year Evaluation of Cementless Meniscal Bearing Total Ankle Replacements. In, Beaty JH (ed). Instructional Course Lectures Vol. 51. Rosemont, Illinois American Academy of Orthopaedic Surgeons 143-151, 2002.

Buechel FF: My Platform Moveth and That's All That's Needed! Orthopedics 24:890-892, 2001.

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Buechel, FF: New Jersey Low Contact Stress Knee Replacement System: 7 to 15 Year Clinical and Survivorship Outcomes. In Niwa, S., Yoshino S, Kurosaka M, et al, (eds). Reconstruction of the Knee Joint. Tokyo, Japan 176-185, 1997.

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Buechel, FF: Evolving Technologies: New Answers or New Problems? Hip Resurfacing Revisited. Orthopaedics 19:753-756, 1996.

Pappas MJ, Makris G, Buechel FF: Titanium Nitride Ceramic Film Against Polyethylene A 48 Million Cycle Wear Test. Clinical Orthopaedics and Related Research 317:64-70, 1995.

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Zimmerman MC, Buechel FF, Pappas MJ: Histological Analysis of a Proximally Porous Coated Femoral Hip Stem Implanted For 2 Years. *Journal of Orthopaedic Rheumatology*, 6:97-102, 1993.

Buechel FF, Pappas MJ: Survivorship and Clinical Evaluation of Cementless Meniscal Bearing Total Ankle Replacements. *Seminars in Arthroplasty* Vol. 3, No.1, 43-50, 1992.

Buechel FF, Pappas MJ, Makris G: Evaluation of Contact Stress in Metal-Backed Patellar Replacements: A Predictor of Survivorship. *Clinical Orthopaedics and Related Research*, 273, 190-197, 1991.

Cohen M, Buechel FF, Pappas MJ: Meniscal-Bearing Unicompartmental Knee Arthroplasty: An 11-Year Clinical Study. *Orthopaedic Review* 20,443-448, 1991.

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Buechel FF: Patella Tendon Bone Grafting For Patellectomized Patients Undergoing Knee Replacement. *Clinical Orthopaedics and Related Research* 271:72-78, 1991.

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Buechel FF: A Sequential Three-Step Lateral Release For Correcting Fixed Valgus Knee Deformities During Total Knee Arthroplasty. *Clinical Orthopaedics and Related Research* 260:170-175, 1990.

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Buechel F: Surface Replacement Procedure in Hip Surgery Symposium. *Contemporary Orthopaedics, Vol. 19, No.6: 670-701, 1989.*

Buechel FF, Rosa RA, Pappas J: A Metal Backed, Rotating-Bearing Patellar Prosthesis to Lower Contact Stress: An 11 Year Clinical Study. *Clinical Orthopaedics and Related Research* 248:34-49, 1989.

Buechel FF: New Jersey LCS Knee Replacement: Comparison of Cemented and Non-Cemented Results at 2 to 7 Year Follow-Up. *American Journal of Sports Medicine,*

Transactions of The Proceedings of The International Society of the Knee, Rome, Italy. Vol. 17, No. 5: 719, Sept-Oct 1989.

Buechel FF, Pappas MJ, Iorio LJ: New Jersey Low-Contact-Stress Total Ankle Replacement. Foot and Ankle Vol. 8, No. 6:279-290, June 1988.

Buechel FF, Pappas, MJ: New Jersey LCS Knee Replacement System: 10 Year Evaluation of Meniscal Bearings. Orthopaedic Clinics of North America Vol. 20, No.2: 147-177, April 1989.

Buechel FF: Polyethylene Wear in Total Joint Replacements. Contemporary Orthopaedics. 15(3):65-102, September 1987.

Pappas MJ, Buechel FF, Makris G: Contact Stresses in Metal-Plastic Knee Prostheses. Transactions of the 13th Annual Meeting of the Society for Biomaterials, New York, N.Y., 90, June 3-7, 1987.

Buechel FF: Guidelines for Choosing a Joint Replacement Implant. Orthopaedics Review 16(5):105-107, 1987.

Buechel FF, Pappas MJ: New Jersey LCS Knee Replacement System Biomechanical Rationale and Comparison of Cemented and Non-Cemented Results (A Two to Five Year Follow-Up). Contemporary Orthopaedics Vol. 14, No. 2:52-60, Feb. 1987.

Pappas MJ, Makris G, Buechel FF: Evaluation of Contact Stresses in Metal-Plastic Total Knee Replacements. In Pizzoferrato PG (ed). BioMaterials and Clinical Applications Elsevier Science Publisher 259-264, 1987.

Buechel FF, Pappas MJ: The New Jersey Low-Contact-Stress Knee Replacement System: Biomechanical Rationale and Review of the First 123 Cemented Cases. Archives of Orthopaedic and Traumatic Surgery 105:197-204, 1986.

Pappas MJ, Buechel, FF: New Jersey Joint Stimulator. Transactions of the Eleventh Annual Meeting of the Society for Biomaterials, San Diego, California, 8:52, April 24-28, 1985.

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Buechel FF, Pappas MJ: Comparison of Porous Metal-Bone Ingrowth and Bone Cement Fixations: An Internally Controlled Joint Replacement Study. Transactions of the Ninth Annual Meeting of the Society for Biomaterials, Birmingham, Alabama, 6:78, April 27-May 1, 1983.

Buechel FF, Pappas MJ: Prosthesis Fixtured by Bone Ingrowth Into Porous-Coated Metal: A Clinical Study of Four Major Joints. Transactions of the Ninth Annual Meeting of the Society for Biomaterials, Birmingham, Alabama, 6:77, April 27-May 1, 1983.

Buechel FF: A Simplified Evaluation System for the Rating of Knee Function. Orthopaedic Review Vol. 11, No. 9:97-101, 1982.

Pappas MJ, Buechel FF: Eccentricity in Universal Type Femoral Endoprosthesis: Biomechanical and Clinical Analysis. Transactions of the Eighth Annual Meeting of the Society for Biomaterials, 5:142, April 1982.

Pappas MJ, Buechel, FF: New Jersey Knee Simulator. Transactions of the Eleventh International Biomaterials Symposium, Clemson, S.C., 3:101, April 28-May 1, 1979.

Buechel FF, Pappas MJ, De Palma AF: "Floating-Socket" Total Shoulder Replacement: Anatomical, Biomechanical and Surgical Rationale. Journal of Biomedical Materials Research Vol. 12, No. 1:89-114, 1978.

Buechel FF, Pappas MJ, De Palma, AF: "Floating-Socket" Total Shoulder Replacement: Journal of Bone and joint Surgery, Orthopaedic Transaction 1(2):162-163, 1977.

Buechel FF: Gleno-Humeral Joint in the Chimpanzee: Comparative anatomic analysis For Use in Endoprosthetic Replacement. J. Med. Primatology 6:1088-1113, 1977.

Buechel FF: Shoulder Replacement in the Chimpanzee: Surgical and Post-Operative Management. J. Med. Primatology, 6:274-283, 1977.

Pappas MJ, Buechel FF, De Palma A. F: Cylindrical Total Ankle Joint Replacement: Surgical and Biomechanical Rationale. Clinical Orthopaedic and Related Research 118: 82-92, 1976.

Educational Videos

The Buechel-PappasTM Integrated Total Hip Replacement System. Primary THR. (Endotec). 1992

The Buechel-PappasTM Integrated Total Hip Replacement System. Resurfacing THR. (Endotec). 1992

The Buechel-PappasTM Integrated Total Hip Replacement System. Revision of THR using Calcar Modular Components (Endotec). 1992

The Buechel-PappasTM Integrated Total Hip Replacement System. Revision of Cementless Resurfacing THR (Endotec). 1992

The Buechel-PappasTM Total Ankle System. (Endotec). 1992

The Buechel-PappasTM Total Shoulder System. Hemi-Arthroplasty Shoulder Replacement (Endotec). 1992

Worn Rotating Patella Bearing Exchange with Infection. 6/29/99 (#101)

Worn Patella and Rotating Platform Bearing Exchange with Infection. 6/29/99 (#102)

Primary TKR: A/P Glide. 9/2/98 (#103)

Primary Rotating Platform with Rotational Stop. 9/2/98 (#104)

Primary TKR: Rotating Hinge Instrumentation. 9/2/98 (#105)

Rotating Patella Exchange and Fat Pad Resection. 10/21/98 (#106)

A/P Glide Bearing Revised to Rotating Platform. 11/30/98 (#107)

Technique for Replacing Worn Meniscal Bearings after Knee Joint Replacement. 10/6/97 (#108)

Three Step Lateral Release for Fixed Valgus Deformity in TKR. 2/5/97 (#109)

R-TKR A/P Glide: Patella Bearing Exchange with Medial Tibial Bone Graft. 3/3/99 (#110)

L-TKR Patella Bearing Spinout – Repair and Polish. 3/3/99 (#111)

Three Step Lateral Release for Fixed Valgus Deformity in TKR. 5/18/98 (#112)

Rotating Platform Bearing Exchange. 8/24/98 (#113)

Emergency L-TKR: Super Condylar Femoral Fracture. 7/7/99 (#114)

Mobile Bearing Exchange in Revision TKA. 12/10/99 (#115)

Primary TKR: Rotating Platform Instrumentation. Bi-Lateral Flexion Contractures. 9/15/99 (#116)

Primary TKR: Rotating Platform Instrumentation. Bi-Lateral Flexion Contractures. 12/1/99 (#117)

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Primary TKR: A/P Glide. 8/24/98 (#119)

Patella Tendon Bone Graft for the Patellectomized Knee. Current Concepts 1998 (#120)

Rebar Screws: An Inexpensive Alternative in Revision TKR. Current Concepts 1997 (#121)

Osteochondroplasty of the Right Patello-Femoral Joint with Femoral Mold. 7/14/99 (#122)

Delayed Revision of L-TKR with Radical Resection of Adhesions (Hinge Knee) 7/21/99 (#123)

Patella Tendon Bone Graft for a Patellectomized Knee. 6/29/98 (#124)

New Jersey LCS TKR Surgical Discussion. 1985 (#125)

New Jersey LCS TKR Surgical Rationale. 7/15/85 (#126)

Live LCS Knee Demonstration – Sawbones Demonstration 1/24/87 (#127)

The NJ Total Knee System – Meniscal Bearing Arthroscopy. 4/86 (#128)

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Left THR: Primary Hip Resurfacing. 3/1/99 (#201)

L-THR: Infected Custom Stem-Hip Implant. 7/7/99 (#202)

R-THR: Revision Hip. 7/28/99 (#203)

L-THR: Acetabular Bearing Exchange and Bone Graft. 12/8/97 (#204)

A Bone Grafting Technique for Acetabular Osteolysis. Current Concepts 1999 (#205)

Primary Revision of a THR Resurfacing. 9/8/97 (#206)

Right Femur with Strut Grafts. 8/23/99 (#207)

Post Traumatic THR with Titanium Roof Ring. 8/26/99 (#208)

Revision L- THR with Acetabular Roof Ring. 10/20/99 (#209)

Revision of Failed Resurfacing Hip. 11/12/97 (#210)

Hip Bearing Exchange with Bone Grafts and Mersilene Reinforcement. 11/9/98 (#211)

Hip Bearing Exchange with Bone Grafts and Mersilene Reinforcement. 10/19/98 (#212)

Hip Resurfacing Revisited: Can the Bone be Saved? SBMC 10/23/98 (#213)

Reconstructing the Chronically Dislocating Hip. Current Concepts 1998 (#214)

Surface Replacement Revision: A Modular Design. Current Concepts 1997 (#215)

BPTM Integrated Total Hip System. Resurfacing Hip. 2/27/91 (#216)

BPTM Integrated Total Hip System. Revision of Cementless Resurfacing Hip. 6/92 (#217)

BPTM Integrated Total Hip System. Stem Hip. 2/27/91 (#218)

BPTM Integrated Total Hip System. Revision of THR using Calcar Modular Components. 7/92 (#219)

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5th British Hip Course – NJ Resurfacing THR using a Biologically Fixed Implant. 7/86 (#221)

R-TSR Revised to a Bi-Polar Implant. 11/9/98 (#301)

R-TSR: Primary Bi-Polar Implant. 11/30/98 (#302)

BPTM Integrated Total Shoulder System. Hemi-Arthroplasty Shoulder Replacement. 6/92 (#305)

Revision of Failed Total Shoulder Resurfacing. 9/21/99 (#306)

BPTM Integrated Total Shoulder System. Bi-Polar Shoulder Replacement. 6/92 (#307)

Right M/P Finger Joint Replacement. 11/30/98 (#401)

TAR with Fibular Osteotomy and Bone Graft. 4/98 (#501)

R-TAR with Bunionectomy. 7/14/99 (#502A)

R-TAR Primary Total Ankle Replacement. 7/14/99 (#502B)

Fusion of the Talor-Navicular Joint. 9/21/99 (#503)

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Publications (other).

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SYMPOSIUM PRESENTATIONS:

Buechel, FF: Current Concepts in Mobile-Bearing TKR. Presented at the UMDNJ Arthroplasty Conference, Newark, NJ, May 25, 2006.

Buechel, FF: Latest “Tips and Tricks” using the LCS Knee. Presented at the LCS Learning Center, Munich, Germany, September 2005.

Buechel, FF: Flexion Contracture: a Case Study. Presented at the LCS Learning Center, Munich, Germany, September 2005.

Buechel, FF: Basic Design Principles of LCS - 28 Years Experience with Mobile Bearings. Presented at the LCS Learning Center, Munich, Germany, September 2005.

Buechel, FF: Current Concepts of Anti-Aging Medicine and Age Management. Presented at the 31st Orthopedic Surgery and Trauma Society, Abaco, Bahamas, June 29, 2005.

Buechel, FF: Mobile-Bearing Knee Replacement: What have we Learned in 28 Years. Presented at the 31st Orthopedic Surgery and Trauma Society, Abaco, Bahamas, July 2, 2005.

Buechel, FF: Fantastic Voyage: Tales of a UMDNJ Graduate. Presented at the UMDNJ 50th Anniversary Lecture Series, Newark, NJ, December 10, 2004

Buechel, FF: 25 Years of LCS Knee Replacement: The Most Frequent Surgery Errors. Presented at the LCS Learning Center, Munich, Germany, September 2004.

Buechel, FF: The Selection of Meniscal or Rotating Platform Bearings: Are Meniscal Bearings Still Important or Necessary? Presented at the LCS Learning Center, Munich, Germany, September 2004.

Buechel, FF: 25 Year LCS Total Knee Experience. Presented at the 30th Orthopedic Surgery and Trauma Society, Curacao, Netherlands, Antilles, June 24, 2004.

Buechel, FF: Management of Patellar Complications after TKR. Presented at the 30th Orthopedic Surgery and Trauma Society, Curacao, Netherlands, Antilles, June 25, 2004.

Buechel, FF: 26 Years LCS: Long Term Results. Presented at the LCS Symposium at SIOT, Rome, Italy, November 13, 2003.

Buechel, FF: 25 Year LCS Knee Experience. Presented at the LCS Learning Center, Munich, Germany, September 2003.

Buechel, FF: Revision of Mobile Bearings: Complications and Management. Presented at the LCS Learning Center, Munich, Germany, September 2003.

Buechel, FF: The Infected TKA: Just When You Thought It Was Over. Presented at the 29th Orthopedic Surgery and Trauma Society, Bayahibe, Dominican Republic, June 14-21, 2003.

Buechel, FF: A Bone Grafting Technique for Acetabular Osteolysis. Presented at the 29th Orthopedic Surgery and Trauma Society, Bayahibe, Dominican Republic, June 14-21, 2003.

Buechel, FF: They're All Wrong: Rotation is Our Salvation! Presented at the Current Concepts in Joint Replacement Spring 2003 Meeting. Las Vegas, NV. May 19, 2003.

Buechel, FF: The Infected TKA: Just When You Thought It Was Over. Presented at the Current Concepts in Joint Replacement Spring 2003 Meeting. Las Vegas, NV. May 19, 2003.

Buechel, FF: Bone Grafting for Socket Lysis: Bit by Bit. Presented at the Current Concepts in Joint Replacement Spring 2003 Meeting. Las Vegas, NV. May 21, 2003.

Buechel, FF: Mobile Bearing Knee Replacement: Concepts and Results. Presented at the 70th Annual AAOS, New Orleans, LA February 12, 2003.

Buechel, FF: 25 Year LCS: Long Term Results. Presented at the LCS Learning Center, Munich, Germany, September 2002.

Buechel, FF: Recommendation for Anchorage of Tibial Plateaus after 25 Years: Experience with the LCS Mobile Bearing Concept. Presented at the LCS Learning Center, Munich, Germany, September 2002.

Buechel, FF: Development of TAA System - Buechel-Pappas. Presented at the International Congress on TAR, San Francisco, CA, September 11, 2002.

Buechel, FF: Salvaging complications of TAA Surgery - Buechel-Pappas. Presented at the International Congress on TAR, San Francisco, CA, September 11, 2002.

Buechel, FF: Mobile Bearing Knee - Is it Justified? Presented at the Wrightington International Arthroplasty Symposium, June 23-28, 2002.

Buechel, FF: How to Expose, Align, and Balance the Knee in Primary Total Knee Replacement. Presented at the Wrightington International Arthroplasty Symposium, June 23-28, 2002.

Buechel, FF: Is there a Case for the One Stage Revision? Presented at the Wrightington International Arthroplasty Symposium, June 23-28, 2002.

Buechel, FF: Design and results of BP total ankle replacement. Presented at the Wrightington International Arthroplasty Symposium, June 23-28, 2002.

Buechel, FF: Management of Patellar Complications in Knee Replacement. Presented at the 28th Orthopedic Surgery and Trauma Society, Little Camyan Beach Resort, BWI. June 15-22, 2002.

Buechel, FF: Evolution of Cementless THR Design: A tribute to Emmett Lunceford. Presented at the 28th Orthopedic Surgery and Trauma Society, Little Camyan Beach Resort, BWI. June 15-22, 2002.

Buechel FF: LCS – 25 Years. Presented at LCS User’s Meeting. Frankfurt, Germany. May 28 – June 1, 2002.

Buechel FF: Eighteen Year Evaluation. Presented at Emerging Trend in Orthopaedics: Articular Injuries in the Lower Extremities in Adults and Children. Parsippany, New Jersey. April 26-27, 2002.

Buechel FF: Management of Patellar Complications. Presented at Surgical Choices and Innovations in Hip and Knee Reconstruction. Pinehurst, North Carolina. April 17-20, 2002.

Buechel FF: Bearings Should Move! Presented at Surgical Choices and Innovations in Hip and Knee Reconstruction. Pinehurst, North Carolina. April 17-20, 2002.

Buechel FF: Treatment Options for the Unstable TKR. Presented at Surgical Choices and Innovations in Hip and Knee Reconstruction. Pinehurst, North Carolina. April 17-20, 2002.

Buechel FF: Results with the LCS Knee (Instructional Course). Presented at the American Academy of Orthopaedic Surgeons 69th Annual Meeting. Dallas, Texas. February 13-17, 2002.

Buechel FF: Mobile Bearing Knees. Presented at American Academy of Orthopaedic Surgeons 69th Annual Meeting Specialty Day. San Francisco, California. February 13-17, 2002.

Buechel FF: Long term results in Revision Surgery. Presented at the Harlachinger Fruhjahrs Symposium. Munich, Germany. January 25-26, 2002.

Buechel FF: Experiences with the LCS Prosthesis over 25 years. Presented at the Harlachinger Fruhjahrs Symposium. Munich, Germany. January 25-26, 2002.

Buechel FF: Results with the LCS Knee (Instructional Course). Presented at American Academy of Orthopaedic Surgeons 68th Annual Meeting. San Francisco, California. February 28 to March 4, 2001.

Buechel FF: Eighteen Year Evaluation of Cementless Meniscal Bearing TAR (Symposium). Presented at American Academy of Orthopaedic Surgeons 68th Annual Meeting. San Francisco, California. February 28 to March 4, 2001.

Buechel FF: Long Term Results LCS. Presented at American Academy of Orthopaedic Surgeons 68th Annual Meeting Specialty Day. San Francisco, California. February 28 to March 4, 2001.

Buechel FF: Complications of Total Ankle Replacement. (Scientific Exhibit) Presented at American Academy of Orthopaedic Surgeons 68th Annual Meeting Specialty Day. San Francisco, California. February 28 to March 4, 2001.

Buechel FF: Eighteen Year Evaluation of Cementless Meniscal Bearing Total Ankle Replacement. Presented at New Jersey Orthopedic Society Annual Spring Meeting, Aruba, March 27 to April 1, 2001.

Buechel FF: Mobile Bearing TKR. Presented at Master's Series Meeting, Pasadena, CA April 27, 2001.

Buechel, FF: Arthroplasty in Post Traumatic Arthritis. Presented at the Annual Current Concepts in Joint Replacement Spring Meeting. Las Vegas, Nevada. May 20-23, 2001.

Buechel, FF: Reconstructing the Chronically Dislocating Hip (video vignette). Presented at the Annual Current Concepts in Joint Replacement Spring Meeting. Las Vegas, Nevada. May 20-23, 2001.

Buechel, FF: Cementless Meniscal Bearing and Rotating Platform TKR's: Concepts and Clinical Comparison Beyond 10 Years. Presented at the 27th Orthopedic Surgery and Trauma Society, Palau, Micronesia. June 15-24, 2001.

Buechel, FF: Resurfacing Shoulder Replacement: An Old Concept with a New Twist. Presented at the 27th Orthopedic Surgery and Trauma Society, Palau, Micronesia. June 15-24, 2001.

Buechel, FF: Design Rationale and 20 YR experience with cementless Mobile Bearing TAR. Presented at the Eastern Orthopaedic Association Meeting, Bermuda. October 11, 2001.

Buechel, FF: Mobile Bearing TKA. Presented at the Eastern Orthopaedic Association Meeting, Bermuda. October 12, 2001.

Buechel FF: "Proximal Porous Coating: Does it work?" Presented at the 18th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 13, 2001.

Buechel FF: "Rotating Platforms Knees Require a Post". Presented at the 18th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 13, 2001.

Buechel FF: "Mobile Bearing Exchange in Revision Total Knee Replacement". Presented at the 18th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 13, 2001.

Buechel FF: LCS Long Term Results. Presented at German User's Meeting, Germany, March 3, 2000.

Buechel FF: Eighteen Year Evaluation of Cementless Meniscal Bearing Ankle Replacements. Presented at the American Academy of Orthopedic Surgeons Specialty Day, Orlando, Florida., March 23, 2000.

Buechel FF: Complications and 20 Year Results of NJ LCS Knee Replacement System. Presented at New Jersey Orthopedic Society Annual Spring Meeting, Sintra, Portugal, April 7-13, 2000.

Buechel FF: Complications and Long Term Results of LCS Knee Replacements. Presented at Grand Rounds, Tulane University, New Orleans, LA, May 5, 2000.

Buechel FF: A Bone Grafting Technique for Acetabular Osteolysis (Video). Presented at Annual Spring Current Concepts in Joint Replacement Meeting. Las Vegas, Nevada. May 21-25, 2000.

Buechel FF: Mobile or Fixed Bearing Plateau: What's The Answer: Let Me Swivel, Presented at Annual Spring Current Concepts in Joint Replacement Meeting. Las Vegas, Nevada. May 21-25, 2000.

Buechel FF: Eighteen Year Evaluation of Cementless Meniscal Bearing Ankle Replacements. Presented at the 26th Orthopedic Surgery and Trauma Society, Domenica, West Indies., June 19, 2000.

Buechel FF: Mobile Bearing Knee Replacement: The Theory. Presented at Mobile Bearing Knee Symposium, England, September 18, 2000.

Buechel FF: Long Term Results with the LCS Knee System: Personal and Worldwide Experience. Presented at Mobile Bearing Knee Symposium, England, September 18, 2000.

Buechel FF: Knee Revision LCS Approach and Experience. Presented at ISTA Meeting, Germany, September 20, 2000.

Buechel FF: Mobile or Fixed Bearing Knee Crossfire: Let Me Swivel. Presented at ISTA Meeting, Germany, September 21, 2000.

Buechel FF: LCS Learning Center, Munich. Presented at LCS Learning Center, Munich, Germany, September 25, 2000.

Buechel FF: Rotating Platform Knee - Operative Perils and Results. Presented at the Pennsylvania Orthopedic, Philadelphia, PA, November 9, 2000.

Buechel FF: LCS Rotating Platform: Concept and 20 Years Experience. Presented at International Knee Symposium, Dresden, England, November 17, 2000.

Buechel FF: Mechanical Complications of the LCS Knee System. Presented at International Knee Symposium, Dresden, England, November 17, 2000.

Buechel FF: A Rationale for the Use of Mobile Bearing Knee Replacement and Clinical Results. Presented at Current Advances in Surgery, St. Thomas, US Virgin Islands, December 7, 2000.

Buechel FF: A Bone Grafting Technique for Acetabular Osteolysis(Video). Presented at the 16th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 10,2000

Buechel FF: "My Platform Moveth: And That is all That is Needed",. Presented at the 16th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 10, 2000.

Buechel, FF: LCS Long Term Talk. Presented at the Vasto Congress Meeting. Milan Italy. January 15, 1999.

Buechel, FF: LCS 20 Year. Presented at the LCS Learning Center. Madrid, Spain. January 19, 1999.

Buechel, FF: The Origin of the LCS. Presented at the Advanced LCS Learning Center Meeting. Costa Mesa, California, February 2, 1999.

Buechel, FF: Resurface, Resurface, Resurface . Presented at the Advanced LCS Learning Center Meeting. Costa Mesa, California, February 2, 1999.

Buechel, FF: LCS Universal AP Glide. Presented at the Advanced LCS Learning Center Meeting. Costa Mesa, California, February 2, 1999.

Buechel, FF: What Happened Next? Case Study Presentations. Presented at the Advanced LCS Learning Center Meeting. Costa Mesa, California, February 2, 1999.

Buechel, FF: LCS Meniscal Bearing Revision (Video). Presented at the Advanced LCS Learning Center Meeting. Costa Mesa, California, February 3, 1999.

Buechel, FF: Revision - The Options: Screws. Presented at the Advanced LCS Learning Center Meeting. Costa Mesa, California, February 3, 1999.

Buechel, FF: 21 Years Later. Presented at the Advanced LCS Learning Center Meeting. Costa Mesa, California, February 3, 1999.

Buechel, FF: Managing the Infected Total Knee Replacement: Options and Outcomes (Scientific Exhibit). Presented at the American Academy of Orthopaedic Surgeons 66th Annual Meeting. Anaheim, California. February 4-8, 1999.

Buechel, FF: Development of a Mobile Bearing TKA Biomechanical and Clinical Rationale. Presented at the Beginners Learning Center Meeting. Santa Monica, California. February 8, 1999.

Buechel, FF: A New Member of the LCS Family. Presented at the Beginners Learning Center Meeting. Santa Monica, California. February 8, 1999.

Buechel, FF: New Jersey at 20 Years LCS. Presented at the Beginners Learning Center Meeting. Santa Monica, California. February 8, 1999.

Buechel, FF: Lateral Approach to the Valgus Knee (Video). Presented at the Beginners Learning Center Meeting. Santa Monica, California. February 8, 1999.

Buechel, FF: Clinical Use Thin Film Ceramic Coatings. Presented at the Hospital Center at the Hospital Center at Orange Joint Replacement Meeting. Orange, New Jersey. March 9, 1999.

Buechel, FF: 20 Years LCS. Presented at Tulane University, Grand Rounds Meeting. New Orleans, Louisiana. March 26, 1999.

Buechel, FF: Long Term History Development and Clinical Results of the LCS TKR. Presented at Tulane University, Grand Rounds Meeting. New Orleans, Louisiana. March 26, 1999.

Buechel, FF: Surgical Approach to Problems of the Lower Extremity. Presented at UMDNJ-New Jersey Medical School Newark, New Jersey. April 6, 1999.

Buechel, FF: LCS Design Rationale and Clinical Results. Presented at Kansai Medical University Meeting. Osaka, Japan. April 22, 1999.

Buechel, FF: LCS Universal Design and Clinical Results. Presented at Kansai Medical University Meeting. Osaka, Japan. April 22, 1999.

Buechel, FF: LCS Universal Rationale. Presented at the LCS Learning Center Meeting Auckland, New Zealand. April 26, 1999.

Buechel, FF: LCS Bearing Exchange Technique. Presented at the LCS Learning Center Meeting Auckland, New Zealand. April 26, 1999.

Buechel, FF: Management of Complications. Presented at the LCS Learning Center Meeting Auckland, New Zealand. April 26, 1999.

Buechel, FF: LCS Universal Rationale. Presented at Christchurch Hospital Lecture. Christchurch, New Zealand. April 28, 1999.

Buechel, FF: LCS Bearing Exchange Technique. Presented at Christchurch Hospital Lecture. Christchurch, New Zealand. April 28, 1999.

Buechel, FF: Management of Complications. Presented at Christchurch Hospital Lecture. Christchurch, New Zealand. April 28, 1999.

Buechel, FF: Management of Complications. Presented at the Korean Knee Society Meeting. Seoul, Korea, May 1, 1999.

Buechel, FF: Design Concept of LCS. Presented at the Korean Knee Society Meeting. Seoul, Korea, May 1, 1999.

Buechel, FF: Twenty and Thirteen Year Long Term Results of the LCS Knee. Presented at the Korean Knee Society Meeting. Seoul, Korea, May 1, 1999.

Buechel, FF: New Developments in Total Joint Replacement. Presented at Saint Barnabas Hospital, Livingston, New Jersey. May 19, 1999.

Buechel, FF: 20 Years of Complications . Presented at the Orthopaedic Surgery and Trauma Society Meeting. Tortola, BVI. June 20, 1999.

Buechel, FF: Rotating Platform. Presented at the Knee Society Interim Meeting. Hamilton, Bermuda. September 2, 1999.

Buechel, FF: LCS Knee - Long Term Results follow-up. Presented at the LCS Learning Centre. Munich, Germany. September 24, 1999.

Buechel, FF: 20 Years LCS-20 Years of Complications. Presented at the LCS Learning Centre. Munich, Germany. September 24, 1999.

Buechel, FF: Mobile Bearings Indications and Outcomes. Presented at the International Symposium: Knee Arthroplasty. Ulm, Germany. September 25, 1999.

Buechel, FF: The Stiff Knee. What To Do? Presented at the LCS Learning Centre. Hamburg, Germany. September 28, 1999.

Buechel, FF: Long Term Results on the LCS Knee. Presented at the LCS Learning Centre. Hamburg, Germany. September 28, 1999.

Buechel FF: A Bone Grafting Technique for Acetabular Osteolysis(Video). Presented at the 15th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 10,1999

Buechel FF: "Let Me Swivel",. Presented at the 15th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 10,1999

Buechel, FF: Management of Valgus Deformity with the Lateral Approach (Video Vignette). Presented at the Issues in Orthopaedics Meeting. Snowmass, Colorado. January 29, 1998.

Buechel, FF: Design Rationale of a Mobile Bearing Knee. Presented at the Issues in Orthopaedics Meeting. Snowmass, Colorado. January 29, 1998.

Buechel, FF: Long Term Evaluation of Cementless Meniscal Bearing Total Ankle Replacement. DePuy International. Martinique, France. February 12, 1998.

Buechel, FF: Cruciate Ligament-Retention. Presented at the Mobile Bearing Knee Symposium. Royal National Orthopaedic Hospital Stanmore, England. February 26, 1998.

Buechel, FF: "Has the Theory Worked in Practice?" Presented at the Mobile Bearing Knee Symposium. Royal National Orthopaedic Hospital Stanmore, England. February 26, 1998.

Buechel, FF: Surgical Technique (An Overview). Presented at the Mobile Bearing Knee Symposium. Royal National Orthopaedic Hospital Stanmore, England. February 27, 1998.

Buechel FF: Arthroplasty in Post-Traumatic Arthritis. Presented at the German Users Meeting. Arabella Congress Hotel Frankfurt, Germany. March 6, 1998.

Buechel, FF: Arthroplasty in Post-Traumatic Arthritis. Presented at the 1998 Annual Meeting of the New Jersey Orthopaedic Society. Rancho Mirage, California. April 23, 1998.

Buechel, FF: LCS AP Glide (Universal System). Presented at the 1st Users Conference for LCS Knee. Tokyo, Japan. April 28, 1998.

Buechel, FF: LCS History and Design Rationale. Presented at the 1st Users Conference for LCS Knee. Tokyo, Japan. April 28, 1998.

Buechel, FF: LCS History and Design Rationale. Presented at the 1st Users Conference for LCS Knee. Cheju, Korea. May 2, 1998.

Buechel, FF: Clinical Results. Presented at the 1st Users Conference for LCS Knee. Cheju, Korea. May 2, 1998.

Buechel, FF: Complex Case Management (Valgus Knee). Presented at the 1st Users Conference for LCS Knee. Cheju, Korea. May 2, 1998.

Buechel, FF: The Origin of the LCS. Presented at the 1st Hellenic LCS Meeting. The Corfu Holiday Palace, Corfu, Greece. June 5, 1998.

Buechel, FF: A New Cruciate Retaining LCS Variant. Presented at the 1st Hellenic LCS Meeting. The Corfu Holiday Palace, Corfu, Greece. June 5, 1998.

Buechel, FF: "Has the Theory Worked in Practice?" Presented at the 1st Hellenic LCS Meeting. The Corfu Holiday Palace, Corfu, Greece. June 6, 1998.

Buechel, FF: Approaches and Techniques in Managing Post Traumatic Knee Deformities. Presented at the 1st Hellenic LCS Meeting. The Corfu Royal Palace, Corfu, Greece. June 6, 1998.

Buechel, FF: The Infected Knee. Presented at the 1st Hellenic LCS Meeting. The Corfu Royal Palace, Corfu, Greece. June 6, 1998.

Buechel, FF: "Arthroplasty in Post Traumatic Patients". Presented at the Orthopaedic Surgery and Trauma Society Meeting. Harbour Village Resort, Kralendijk, Boanaire, N.A. June 15, 1998.

Buechel, FF: The Future of Total Knee Replacement. Presented at the LCS 21st Symposium. Alice Springs, Australia. July 4, 1998.

Buechel, FF: The Way in Surgical Approach (Video). Presented at the C.O.E. Meeting. Alice Springs, Australia. July 6, 1998.

Buechel, FF: How I do a Total Knee Arthroplasty (Video). Presented at the C.O.E. Meeting. Alice Springs, Australia, July 6, 1998.

Buechel, FF: Mobile Bearings are the Knee of the Future. Presented at the C.O.E. Meeting. Alice Springs, Australia, July 6, 1998.

Buechel, FF: Long Term Clinical Results with the LCS Knee Prosthesis. Presented at the LCS Learning Center Meeting. Munich, Germany. September 25, 1998.

Buechel, FF: What Should We Do With the Cruciate Ligaments in Knee Surgery? Presented at the LCS Learning Center Meeting. Munich, Germany. September 25, 1998.

Buechel, FF: The Features and the Future of Knee Prosthesis. Presented at the LCS Learning Center Meeting. Munich, Germany. September 25, 1998.

Buechel, FF: LCS Mobile Bearing Knee Replacement: 20 Years Experience. Presented at the ISTA Meeting. October 1, 1998.

Buechel, FF: Reconstructing The Chronically Dislocated Hip (Video). Presented at the 14th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 10, 1998.

Buechel, FF: The Complications of Long Experience. Presented at the 14th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 10, 1998.

Buechel, FF: Patellar Tendon-Bone Graft For the Patellectomized Knee (Video). Presented at the 14th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 10, 1998.

Buechel, FF: LCS TKR Talk: Presented at The Citrus Orthopaedic Meeting. Orlando, Florida. January 9, 1997.

Buechel, FF: Low Contact Stress: Concepts Presented at The Iiiemes Journees High Tech Meeting. Nice, France. January 17, 1997.

Buechel, FF: Has The Mobile Bearing Theory Worked in Practice? Presented at The Iiiemes Journees High Tech Meeting. Nice, France. January 17, 1997.

Buechel, FF: The Future of Mobile Bearing Knees: Presented at The Iiiemes Journees High Tech Meeting. Nice, France. January 17, 1997.

Buechel, FF: Surgical Techniques and Design Rationale TAR. Nice, France. Presented at The Iiiemes Journees High Tech Meeting. Nice, France. January 17, 1997.

Buechel, FF: Origin of Optima: Presented at The International Sales Meeting. Barcelona, Spain. January 25, 1997.

Buechel, FF: Presentation of TiN Products. Presented at Career Day Seton Hall Preparatory. West Orange, New Jersey. March 12, 1997.

Buechel, FF: Mobile Polyethylene: Presented at The IV International Course on Reconstructive Knee Surgery Meeting. Madrid, Spain. March 14, 1997.

Buechel, FF: Managing the Infected TKR. Options and Outcomes. Presented at The IV International Course on Reconstructive Knee Surgery Meeting. March 15, 1997.

Buechel, FF: Results of Mobile Bearing in Revision TKR. Presented at The IV International Course on Reconstructive Knee Surgery Meeting. Madrid, Spain. March 15, 1997.

Buechel, FF: PCL TKR. Presented at The Issues in Orthopaedics. Clinical Results and Economics Outcomes Meeting. Olympic Valley. Presented at The IV International Course on Reconstructive Knee Surgery Meeting. California. Madrid, Spain. March 22, 1997.

Buechel, FF: Revision Knee: The Classic Approach. Clinical Results and Economics Outcomes Meeting. Presented at The IV International Course on Reconstructive Knee Surgery Meeting. California. Madrid, Spain. March 22, 1997.

Buechel, FF: Twenty-Year Evaluation of a Metal-Backed Rotating-Bearing Patella Prosthesis for Total Knee Replacement. Presented at The 1997 Annual Meeting of The New Jersey, New York and Connecticut Orthopaedic Society. Grand Cayman, British West Indies. April 16, 1997.

Buechel, FF: Mobile Bearing TKR Long Term Results. Presented at VMMC Hospital. Hartford, Connecticut. May 2, 1997.

Buechel, FF: Mobile Bearing TKA. Presented at Gosford District Hospital. Sydney, Australia. May 16, 1997.

Buechel, FF: The Origin of The LCS Knee System. Presented at The LCS 20-Year Anniversary Meeting. Queensland, Australia. May 22, 1997.

Buechel, FF: Has The Theory Worked in Practice. Presented at The LCS 20-Year Anniversary Meeting. Queensland, Australia. May 22, 1997.

Buechel, FF: Approaches and Techniques in Managing Valgus Deformities. Presented at The LCS 20-Year Anniversary Meeting. Queensland, Australia. May 23, 1997.

Buechel, FF: The Infected Knee: Concepts and Outcomes One Stage Revision. Presented at The LCS 20-Year Anniversary Meeting. Queensland, Australia. May 23, 1997.

Buechel, FF: A New Cruciate Retaining Variant The LCS Universal AP Glide. Presented at The LCS 20-Year Anniversary Meeting. Queensland, Australia. May 24, 1997.

Buechel, FF: Extreme Arthroplasty. Presented at The LCS 20-Year Anniversary Meeting. Queensland, Australia. May 24, 1997.

Buechel, FF: The Origin of The LCS Knee System. Presented at The LCS 20-Year Anniversary. LaManga, Spain. May 30, 1997.

Buechel, FF: Has The Theory Worked in Practice. Presented at The LCS 20-Year Anniversary. LaManga, Spain. May 30, 1997.

Buechel, FF: Approaches and Techniques in Managing Valgus Techniques. Presented at The LCS 20-Year Anniversary. LaManga, Spain. May 31, 1997.

Buechel, FF: The Infected Knee: Concepts and Outcomes One Stage Revision. Presented at The LCS 20-Year Anniversary. LaManga, Spain. May 31, 1997.

Buechel, FF: A New Cruciate Retaining LCS Variant. Presented at The LCS 20-Year Anniversary. LaManga, Spain. June 1, 1997.

Buechel, FF: Extreme Knee Replacement. Presented at The LCS 20-Year Anniversary. LaManga, Spain. June 1, 1997.

Buechel, FF: Twenty-Year Evaluation of a Metal-Backed Rotating Bearing Patella Prosthesis for Total Knee Replacement. Present at The 23rd Annual Meeting of The Orthopaedic Surgery and Trauma Society Meeting. Cozumel, Mexico. June 16, 1997.

Buechel, FF: Techniques for Handling Stiff Knees, Flexion Contractures, or Recurvatum. Presented at The Current Techniques in Arthroplasty Meeting. Nevis, West Indies. June 27, 1997.

Buechel, FF: Management of Bone Defects in Primary and Revision TKR. The Current Techniques Arthroplasty Meeting. Nevis, West Indies. June 27, 1997.

Buechel, FF: Clinical Rationale and Development of a Mobile Bearing TKA. Presented at The Baptist Medical Center Meeting. Little Rock, Arkansas. July 14, 1997.

Buechel, FF: A Surgical Approach to The Valgus Knee. Presented at The Baptist Medical Center Meeting. Little Rock, Arkansas. July 14, 1997.

Buechel, FF: The Valgus Knee (Video). Presented at The Baptist Medical Center Meeting. Little Rock, Arkansas. July 14, 1997.

Buechel, FF: Extreme Arthroplasty. Presented at The Baptist Medical Center Meeting. Little Rock, Arkansas. July 14, 1997.

Buechel, FF: Long Term Clinical Results. Presented at The Baptist Medical Center Meeting. Little Rock, Arkansas. July 14, 1997.

Buechel, FF: Resurfacing THR. Presented at St. Mary's Hospital Grand Rounds. West Palm Beach, Florida. August 22, 1997.

Buechel, FF: A Case for Use of a Mobile Bearing in Primary TKA. Presented at The Knee Society Interim Meeting. New York, New York. September 4, 1997.

Buechel, FF: Fixed or Mobile Bearing Systems? Presented at The DORS Congress Meeting. Amsterdam, Netherlands. September 12, 1997.

Buechel, FF: PCL: Sacrifice or Retention. Presented at The DORS Congress Meeting. Amsterdam, Netherlands. September 12, 1997.

Buechel, FF: Patella Resurfacing in Total Knee Replacement. Presented at The DORS Congress Meeting. Amsterdam, Netherlands. September 12, 1997.

Buechel, FF: What is The Future of Total Knee Prosthesis? Presented at The DORS Congress Meeting. Amsterdam, Netherlands. September 12, 1997.

Buechel, FF: LCS Design Rationale and Clinical Experience. Presented at The 20 Year LCS Celebration Meeting. Vienna, Austria. September 19, 1997.

Buechel, FF: The Future-What will happen in the Year 2000 and further on? Presented at The 20 Year LCS Celebration Meeting. Vienna, Austria. September 19, 1997.

Buechel, FF: Surface Replacement Revision: A Modular Decision (Video). Presented at The 13 Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 11, 1997.

Buechel, FF: Arthroplasty in Post Traumatic Arthritis. Presented at The 13 Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 12, 1997.

Buechel, FF: Rebar Screws: An Inexpensive Alternative in Revision TKA. Presented at The 13 Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 12, 1997.

Buechel, FF: Resurfacing Hips-Another Look. Presented at The 14th Annual Arthritic Hip, Knee and Shoulder Symposium. Snowbird, Utah. January 5, 1996.

Buechel, FF: 14-Year Comparison of Cemented and Cementless Knees. Presented at The 14th Annual Arthritic Hip, Knee and Shoulder Symposium. Snowbird, Utah. January 5, 1996.

Buechel, FF: Long Term Results of the LCS Total Knee Replacement System. Presented at The Columbia HCA Symposium. Austin, Texas. January 12, 1996.

Buechel, FF: Design Rationale/Instrumentation. Presented at The Columbia HCA Symposium. Austin, Texas. January 12, 1996.

Buechel, FF: Design Rationale and Long Term Clinical Results of The LCS Total Knee Replacement System. Presented at The LCS User's Meeting. Nieuwegein, Amsterdam. January 23, 1996.

Buechel, FF: Long Term Clinical Results of The LCS Total Knee Replacement System. Present at The Amsterdam International Learning Center. Utecht, Amsterdam. January 24, 1996.

Buechel, FF: Long Term Results of The LCS Total Knee Replacement System. Presented at The LCS User's Meeting. Cologne, Germany. January 25, 1996.

Buechel, FF: Clinical Results of The LCS Total Knee Replacement System. Presented at The LCS Mobile Bearing Knee User Group Meeting. Bournemouth, London. January 29, 1996.

Buechel, FF: Early Clinical Results of The AP Glide Total Knee Replacement. Presented at The LCS Mobile Bearing Knee User Group Meeting. Bournemouth, London. January 29, 1996.

Buechel, FF: Milestone Instruments. Presented at The LCS Mobile Bearing Knee User Group Meeting. Bournemouth, London. January 29, 1996.

Buechel, FF: Long Term Mobile Bearing Results. Presented at The Issues In Orthopaedics: Clinical Results and Outcome Meeting. Vail, Colorado. March 16, 1996.

Buechel, FF: The Lateral Approach to The Valgus Knee. Presented at The Issues in Orthopaedics: Clinical Results and Outcomes Meeting. Vail, Colorado. March 16, 1996.

Buechel, FF: Bone Deficiency: Management with Allograft. Presented at The Issues in Orthopaedics: Clinical Results and Outcomes Meeting. Vail, Colorado. March 16, 1996.

Buechel, FF: Lateral Approach. Presented at UMDNJ-New Jersey Medical School. Newark, New Jersey. April 18, 1996.

Buechel, FF: Lateral Approach. Presented at The UMDNJ-New Jersey Medical School. Newark, New Jersey. April 18, 1996. (Video Vignette).

Buechel, FF: What are The Indications For Cement? Only Some Components Some Situations. Presented at The Current Issues in Total Hip and Knee Arthroplasty. Orlando, Florida. April 25, 1996.

Buechel, FF: Non-Cemented Acetabular Replacement: Indications, Technique and Results. Presented at The Issues in Total Hip and Knee Arthroplasty. Orlando, Florida. April 26, 1996.

Buechel, FF: The Case For PCL Designs. Presented at The Current Concepts in Knee Reconstructive Surgery Meeting. Tarrytown, New York. May 2, 1996.

Buechel, FF: Management of The Fixed Valgus Knee. Presented at The Current Concepts in Knee Reconstructive Surgery Meeting. Tarrytown, New York. May 2, 1996.

Buechel, FF: Patellar Resurfacing-Always. Presented at The Current Concepts in Knee Reconstructive Surgery Meeting. Tarrytown, New York. May 2, 1996.

Buechel, FF: Primary Exchange. Presented at The Current Concepts in Knee Reconstructive Surgery Meeting. Tarrytown, New York. May 2, 1996.

Buechel, FF: Cruciate Retaining Versus Cruciate Substitution. Presented at The 7th Congress of The European Society of Sports Traumatology, Knee Surgery and Arthroplasty Meeting. (ESSKA) Budapest, Hungary. May 14, 1996.

Buechel, FF: Indications for a Condylar Knee System. Presented at The ESSKA Meeting. Budapest, Hungary. May 14, 1996.

Buechel, FF: Mobile Versus Fixed Bearing. Presented at The ESSKA Meeting. Budapest, Hungary. May 15, 1996.

Buechel, FF: Evaluating and Managing The Stiff Knee. Presented at The Complex Painful Knee: Current Decision Making and Treatment Options (AAOS-OLC). Rosemont, Illinois. May 31, 1996.

Buechel, FF: Non-Cemented Acetabular Replacement: Indications, Technique and Results. Presented at The 22nd Annual Meeting of The Orthopaedic Surgery and Trauma Society. St. Lucia, W.I. June 23, 1996.

Buechel, FF: Designer's Issues. Presented at The LCS Designer's Meeting. Chicago, Illinois. August 2, 1996.

Buechel, FF: Current Issues in Total Knee Arthroplasty. Presented at The Orthopaedic Knee Replacement Workshop. King Salmon, Alaska. August 11, 1996.

Buechel, FF: Long Term Results and Problem Cases. Presented at The Orthopaedics Knee Replacement Workshop. King Salmon, Alaska. August, 12, 1996.

Buechel, FF: Long Term Mobile Bearing Results. Presented at The 1996 Symposium of The International Society of Technology in Arthroplasty. Amsterdam, Holland. August 20, 1996.

Buechel, FF: Long Term Results of Knee Replacement. Presented at The 20th World Congress of Societe' Internationale de Chirurgie Orthopedique et de Traumatologie (SI-COT). Amsterdam, Holland. August 22, 1996.

Buechel, FF: Results of the Patella. Presented at The Lehigh Valley Learning Center Meeting. Allentown, Pennsylvania. September 6, 1996.

Buechel, FF: 19 Year Results With the LCS Mobile Bearing Knee System. Presented at The LCS Schulthness Clinic Meeting. Zurich, Switzerland. September 13, 1996.

Buechel, FF: Contact Stress and Wear Resistance in TKA. Presented at The Issues in Orthopaedics Clinical Outcomes and Results Meeting. Veda Beach, Florida. September 28, 1996.

Buechel, FF: Complications in Mobile Bearing TKA and How to Avoid Them. Presented at The Issue in Orthopaedics Clinical Outcome and Results Meeting. Veda Beach, Florida. September 28, 1996.

Buechel, FF: Results of Mobile Bearing in Revision TKR. Presented at The Issues in Orthopaedics Clinical Outcomes and Results Meeting. September 28, 1996.

Buechel, FF: The USA LCS Experience. Presented at The LCS User's Meeting. Belfast, Northern Ireland. September 30, 1996.

Buechel, FF: LCS AP Glide: Presented at The LCS User's Meeting. Belfast, Northern Ireland. September 30, 1996.

Buechel, FF: Mobile Bearing TKR-The Story So Far. Presented at Raigmore Hospital. Perthire, Scotland. October 1, 1996.

Buechel, FF: Design Rationale and Long Term Results. Presented at Wrightington Hospital for Joint Disease. Wrightington, England. October 2, 1996.

Buechel, FF: Mobile Bearing TKR-The Story So Far. Presented at Hurtshell Orthopaedic Hospital. Staffordshire, England. October 4, 1996.

Buechel, FF: Complications of Mobile Bearings and How to Avoid Them. Presented at The Learning Center Meeting. Little Rock, Arkansas. October 28, 1996.

Buechel, FF: Long Term Clinical Results. Presented at The Learning Center Meeting. Little Rock, Arkansas. October 28, 1996.

Buechel, FF: Clinical Rationale and Development of a Mobile Bearing TKA. Presented at The Learning Center Meeting. Little Rock, Arkansas. October 28, 1996.

Buechel, FF: A Surgical Approach to The Valgus Knee. Presented at The Learning Center Meeting. Little Rock, Arkansas. October 28, 1996.

Buechel, FF: Has The Mobile Bearing Theory Worked in Practice? Presented at The LCS Meeting. Marbella, Spain. October 31, 1996.

Buechel, FF: A New Primary LCS Variant. Presented at The LCS Meeting. Marbella, Spain. November 1, 1996.

Buechel, FF: Medium Term Results with a Novel Mobile Bearing Knee. Presented at The LCS Meeting. Marbella, Spain. November 1, 1996.

Buechel, FF: LCS Revision and Other Future Developments. Presented at The LCS Meeting. Marbella, Spain. November 1, 1996.

Buechel, FF: What Research Should We Be Doing? Presented at the LCS Meeting. Marbella, Spain. November 2, 1996.

Buechel, FF: History and Design Rationale of LCS. Presented at The DePuy Japanese Salesforce and Surgeons Meeting. Tokyo, Japan. November 4, 1996.

Buechel, FF: Clinical Results of LCS. Presented at The DePuy Japanese Salesforce and Surgeons Meeting. Tokyo, Japan. November 4, 1996.

Buechel, FF: History and Design Rationale of a Mobile Bearing Knee System. Presented at The LCS Surgeons Meeting. Nagoya, Japan. November 5, 1996.

Buechel, FF: Clinical Results of a Mobile Bearing Knee System. Presented at The LCS Surgeons Meeting. Nagoya, Japan. November 5, 1996.

Buechel, FF: Twenty-Year Evaluation of a Metal Backed Rotating Bearing Patella Prosthesis for TKR. Presented at The American Association of Hip and Knee Surgeons Meeting. Grapevine, Texas. November 10, 1996.

Buechel, FF: Prosthesis With Mobile Bearing Knee. Presented at The 16th Congress of The Italian Knee Surgery Society Meeting. Turin, Italy. December 2, 1996.

Buechel, FF: Mobile Bearing Arthroplasty: An Emerging Gold Standard in the Affirmative. Presented at The 12th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 14, 1996.

Buechel, FF: Managing the Infected Knee: Options and Outcomes. Presented at The 12th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 14, 1996.

Buechel, FF: Complex Revision in Total Hip Replacement. Presented at The Fifth Annual British Hip Course. Oswestry, England. March 1995.

Buechel, FF: New Jersey Resurfacing Total Hip Replacement. Presented at The Fifth Annual British Hip Course. Oswestry, England. March 1995.

Buechel, FF: Use of Allografts in Revision Total Hip Replacement Surgery. Presented at The Fifth Annual British Hip Course. Oswestry, England. March 1995.

Buechel, FF: Case Studies. Presented at An Update on Total Joint Replacement. Durham, North Carolina. March 10, 1995.

Buechel, FF: Pre-operative Planning: The Approach and Surgical Technique. Presented at An Update on Total Joint Replacement. Durham, North Carolina. March 10, 1995.

Buechel, FF: Long Term Survivorship of a Mobile Bearing Knee System. Presented at An Update on Total Joint Replacement. Durham, North Carolina. March 10, 1995.

Buechel, FF: Corrections of Deformity in TKA. Presented at New Jersey Medical School Department of Orthopaedics Core Education. Newark, New Jersey. March 16, 1995.

Buechel, FF: Why I Retain the PCL. Presented at Outcomes in Orthopaedic Results Oriented Healthcare. Olympic Valley, California. March 23, 1995.

Buechel, FF: Use of Thin Film Ceramic Coatings in High Performance Total Joint Replacement. Presented at The 1995 Annual Spring Meeting of The New Jersey, New York and Connecticut Orthopaedic Society. Palm Beach, Aruba. April 5, 1995.

Buechel, FF: Surgical Correction of the Valgus Knee. Presented at The Harvard Knee Course. Cambridge, Massachusetts. April 27, 1995.

Buechel, FF: Meniscal Bearing. Presented at The Harvard Knee Course. Cambridge, Massachusetts. April 28, 1995.

Buechel, FF: Results One Stage Exchange. Presented at The Harvard Knee Course. Cambridge, Massachusetts. April 29, 1995.

Buechel, FF: Design Rationale and Long Term Clinical Results of The LCS Total Knee System. Presented at Central State Medical Center. Freehold, New Jersey. May 5, 1995.

Buechel, FF: What Causes Failures in Total Knee Arthroplasty. Presented at The Cost Containment Meeting. Newport, California. May 26, 1995.

Buechel, FF: Design Rationale for a Mobile Bearing Knee. Presented at The Cost Containment Meeting. Newport, California. May 26, 1995.

Buechel, FF: Clinical Results of a Mobile Bearing Knee. Presented at The Cost Containment Meeting. Newport, California. May 26, 1995.

Buechel, FF: Retaining The PCL. Presented at The Cost Containment Meeting. Newport, California. May 26, 1995.

Buechel, FF: Design Rationale and Long Term Clinical Results of the LCS Total Knee System. Presented at The Current Concepts in Mobile Bearing Knee Arthroplasty Symposium. Spokane, Washington. June 1, 1995.

Buechel, FF: Primary Exchange Revision Arthroplasty for Infected Total Knee Replacement. Presented at the 21st Annual Meeting of the Orthopaedics Surgery and Trauma Society. Ambergris Caye, Belize. June 17-24, 1995.

Buechel, FF: Short Term Clinical Results on The AP Glide Total Knee Replacement. Presented at The LCS Designers Meeting. Warsaw, Indiana. July, 21, 1995.

Buechel, FF: Design Rationale and Clinical Follow-Up of The LCS Knee Replacement. Presented at The DePuy Mid-Year Sales Training Meeting. Chicago Illinois. July 28, 1995.

Buechel, FF: Long Term Experience With Cementless Total Knee Arthroplasty. Presented at The 12th Annual International Symposium on New Developments in Total Joint Reconstructions. Coronado, California. August 17, 1995.

Buechel, FF: Meniscal Bearings and Wear in Total Knee Arthroplasty. Presented at The 12th Annual International Symposium on New Developments in Total Joint Reconstruction. Coronado, California. August 18, 1995.

Buechel, FF: PCL Retaining Knee Arthroplasty. Presented at The LCS AP Glide Clinical Evaluation Meeting. Manchester, England. September 5, 1995.

Buechel, FF: Clinical Experience With The LCS A-P Glide. Presented at The LCS AP Glide Clinical Meeting. Manchester, England. September 5, 1995.

Buechel, FF: Clinical Evaluation of New Implants. Presented at The LCS AP Glide Clinical Meeting. Manchester, England. September 5, 1995.

Buechel, FF: Rotating Bearings. Presented at The Knee Society Interim Meeting. Boston, Massachusetts. September 7, 1995.

Buechel, FF: Lateral Release Techniques (Video Vignette). Presented at The Knee Society Interim Meeting. Boston, Massachusetts. September 7, 1995.

Buechel, FF: Long Term Success Through Design and Evaluation. Presented at The Gleneagles Meeting. Gleneagles, Scotland. September 7, 1995.

Buechel, FF: Cruciate Ligament Retention-The Great Debate. Presented at The Gleneagles Meeting. Gleneagles, Scotland. September 7, 1995.

Buechel, FF: Use of Thin Film Ceramic Coatings. Presented at The Total Replacement Conference. Orange, New Jersey. September 21, 1995

Buechel, FF: Clinical and Design Rationale of The LCS Total Knee Replacement. Presented at The Baptist Medical Learning Center Meeting. Little Rock, Arkansas. September 23, 1995.

Buechel, FF: Valgus. Presented at The Baptist Medical Learning Center Meeting. Little Rock, Arkansas. September 23, 1995.

Buechel, FF: Valgus Vignette (Video). Presented at The Baptist Medical Learning Center Meeting. Little Rock, Arkansas. September 23, 1995.

Buechel, FF: The Mobile Bearing Knee: Historical Challenges and Solutions. Presented at The Outcomes in Orthopaedics Meeting. Hilton Head, South Carolina. September 28, 1995.

Buechel, FF: The Stiff Knee: An Open Approach. Presented at The Outcomes in Orthopaedics Meeting. Hilton Head, South Carolina. September 28, 1995.

Buechel, FF: The Classic Approach. Presented at The Outcomes in Orthopaedics Meeting. Hilton Head, South Carolina. September 29, 1995.

Buechel, FF: AP Glide Clinical Review. Presented at The Designers Meeting. Hilton Head, South Carolina. September 29, 1995.

Buechel, FF: Long Term Evaluation of the New Jersey Meniscal Bearing Knee Replacement. Presented at the British Orthopaedic Association Meeting. Oxford, England. September 30, 1995. (Poster Exhibit).

Buechel, FF: Design Rationale and Long Term Clinical Results of The LCS Total Knee Replacement. Presented at The LCS User's Group Meeting. London, England. October 2, 1995.

Buechel, FF: Soft Tissue Balance and Treatment of The Valgus Knee. Presented at The LCS User's Group Meeting. Florence, Italy. October 12, 1995.

Buechel, FF: Clinical Results of The LCS Total Knee Replacement. Presented at The LCS User's Group Meeting. Florence, Italy. October 12, 1995.

Buechel, FF: A Lateral Approach to a Valgus Knee. Presented at The Clinical Results and Economic Outcomes in Total Joint Arthroplasty Meeting. Las Vegas, Nevada. November 17, 1995.

Buechel, FF: Long Term Clinical Results in Total Knee Arthroplasty. Presented at The Clinical Results and Economic Outcomes in Total Joint Arthroplasty Meeting. Las Vegas, Nevada. November 17, 1995.

Buechel, FF: Assessing The Patella in Revision Total Knee Arthroplasty. Presented at The Clinical Results and Economic Outcomes in Total Joint Arthroplasty Meeting. Las Vegas, Nevada. November 17, 1995.

Buechel, FF: Cementless Fixation Allografts. Presented at The Clinical Results and Economics Outcomes in Total Joint Arthroplasty Meeting. Las Vegas, Nevada. November 17, 1995.

Buechel, FF: Addressing Wear Through Design. Presented at The Clinical Results and Economic Outcomes in Total Joint Arthroplasty Meeting. Las Vegas, Nevada. November 17, 1995.

Buechel, FF: Delayed Exchange for Infected TKA: The Gold Standard-In Opposition. Presented at The 11th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 14, 1995.

Buechel, FF: Hip Resurfacing: Revisited. Presented at The 11th Annual Current Concepts in Joint Replacement Meeting. Orlando, Florida. December 14, 1995.

Varma, A., Buechel, FF, and Reed III: Natural History and Significance of Radiolucent Zones at The Bone Prosthesis Interface in Porous Coated Total Knee Arthroplasty. Presented at The 61st Annual American Academy of Orthopaedic Surgeons. New Orleans, Louisiana. February 24-March 1, 1994. (Scientific Exhibit).

Pappas, MJ, Makris, G., and Buechel, FF: Reduced Wear Using TiN Against UHMWPe: A 48 Million Cycle Test. Presented at The 61st Annual Meeting of The American Academy of Orthopaedic Surgeons. New Orleans, Louisiana. February 24-March 1, 1994. (Scientific Exhibit).

Buechel, FF: NJ LCS Knee Replacement System: 7 to 15 Year Clinical and Survivorship Outcomes. Presented at The 61st Annual Meeting of The American Academy of Orthopaedic Surgeons. New Orleans, Louisiana. February 28, 1994.

Buechel, FF: Long Term Results of New Jersey Total Knee Arthroplasty. Presented at The International Symposium on Reconstruction. Nagoya, Japan. March 4, 1994.

Buechel, FF: Long Term Clinical Result of the LCS Knee. Presented at Unitas Hospital. Pretoria, South Africa. March 17, 1994.

Buechel, FF: 15 Years Experience with New Jersey LCS Knee. Presented at The 10th Congress of The South African Arthroplasty Society. Durban, South Africa. March 24, 1994.

Buechel, FF: Hip Arthroplasty Design and Materials. Presented at The 10th Congress of The South African Arthroplasty Society. Durban, South Africa. March 25, 1994. (Keynote Address).

Buechel, FF: Cementless Meniscal Bearing Replacement: Survivorship and Clinical Evaluation. Presented at The 10th Congress of The South African Arthroplasty Society. Durban, South Africa. March 26, 1994.

Buechel, FF: LCS Mobile Bearing Knee Replacement: 15 Year Analysis of Complications and How to Avoid Them. Presented at The Issues in Orthopaedic Implant Technology Symposium. Keystone, Colorado. April 5-10, 1994.

Buechel, FF: A Design to Minimize Osteolysis in TKA. Presented at The Issues in Orthopaedic Implant Technology Symposium. Keystone, Colorado. April 5-10, 1994.

Buechel, FF: Cemented and Cementless Revision Arthroplasty Using Rotating Platform Total Knee Implants. Presented at The Issues in Orthopaedic Implant Technology Symposium. Keystone, Colorado. April 5-10, 1994.

Buechel, FF: Long Term Survivorship of a Mobile Bearing Knee System: Personal and Multi-Center Results. Presented at Lehigh Valley Hospital. Allentown, Pennsylvania. June 3, 1994.

Buechel, FF: Design Rationale of Mobile Bearing Knee System. Presented at Lehigh Valley Hospital. Allentown, Pennsylvania. June 3, 1994.

Buechel, FF: Long Term Revision Using Rotating Platforms. Presented at The Avenue Hospital. Melbourne, Australia. June 18, 1994.

Buechel, FF: Known Complications of Meniscal Bearing Replacements and How to Avoid Them. Presented at The Avenue Hospital. Melbourne, Australia. June 18, 1994.

Buechel, FF: LCS TKR Milestone Instruments. Presented at The Western General Hospital. Melbourne, Australia. June 21, 1994.

Buechel, FF: 7 to 15 Year Results of the LCS Knee. Presented at The Western General Hospital. Melbourne, Australia. June 21, 1994.

Buechel, FF: Use of Thin-Film TiN Ceramic for Articulating Joint Replacement Surfaces: Pros and Cons. Presented at The 20th Annual Meeting of The Orthopaedic Surgery and Trauma Society. Sydney, Australia. June 21-July 3, 1994.

Buechel, FF: LCS Knee Replacement: Concepts and Long Term Results. Presented at Sydney Adventist Hospital Orthopaedic Meeting. Sydney, Australia. June 24, 1994.

Buechel, FF: Clinical Results with The LCS. Presented at The Myths and Realities of Managed Care. DePuy Mid-Year Sales Training Seminar. Chicago, Illinois. July 28, 1994.

Buechel, FF: Controversial Issue Debate "Mobile". Presented at The American Academy of Orthopaedic Surgeon's Summer Institute. Monterey, California. September 10, 1994.

Buechel, FF: Results of Revision TKA. Presented at The American Academy of Orthopaedic Surgeon's Summer Institute. Monterey, California. September 10, 1994.

Buechel, FF: Long Term Evaluation of Cementless, Meniscal Bearing Total Ankle Replacement. Presented at The European Federation of National Foot and Ankle Societies Congress. Milan, Italy, September 23-24, 1994.

Buechel, FF: Posterior Cruciate Ligament-Retaining Meniscal Bearing. Presented at The International Knee Prostheses Meeting. Naples, Italy. September 29, 1994.

Buechel, FF: Prostheses With Meniscal Bearing Tibial Plateau. Presented at The International Knee Prostheses Meeting. Naples, Italy. September 29, 1994.

Buechel, FF: Design and Performance of Mobile Bearing Knee Designs. Presented at The 6th Annual Conference On Techniques and Science for Successful Joint Arthroplasty. Burlington, Vermont. October 6, 1994.

Buechel, FF: How to Handle the Difficult Revision: The Use of Bone Grafts. Presented at The 6th Annual Conference on Techniques and Science for Successful Joint. Burlington, Vermont. October 6, 1994.

Buechel, FF: Performance of Thin Ceramic Coatings on Metal Articulating Surfaces. Presented at The 6th Annual Conference on Techniques and Science for Successful Joint. Arthroplasty. Burlington, Vermont. October 7, 1994.

Buechel, FF: Early Results of a Titanium Nitride Ceramic Coated Mobile-Bearing Knee Replacement With A-P Glide. Presented at The 9th Annual Joint Replacement Symposium. West Palm Beach, Florida. November 3, 1994.

Buechel, FF: a Technique For Delayed Lysis if Intractable Adhesions Following TKR. Presented at The 9th Annual Joint Replacement Symposium. West Palm Beach, Florida. November 3, 1994.

Buechel, FF: Meniscal Bearing Total Knee Replacement. Presented at The Contemporary Treatment of The Arthritic Knee Symposium. London, Ontario. November 9, 1994.

Buechel, FF: Meniscal Bearing Total Knee Replacement. Presented at The Contemporary Treatment of The Arthritic Knee Symposium. London, Ontario. November 9, 1994.

Buechel, FF: Rotating Bearing Patellar Components. Presented at The Contemporary Treatment of The Arthritic Knee Symposium. London, Ontario. November 10, 1994.

Buechel, FF: A Technique For Delayed Lysis of Intractable Adhesions. Presented at The Arthritic Knee Symposium. London, Ontario. November 10, 1994.

Buechel, FF: Cementless Fixation. Presented at The Arthritic Knee Symposium. London, Ontario. November 10, 1994.

Buechel, FF: Cementless Fixation. Presented at The Arthritic Knee Symposium. London, Ontario. November 10, 1994.

Buechel, FF: Meniscal Bearing Total Knee Replacement. Presented at The Bristol Myers Squibb-Zimmer Orthopaedic Research Symposium. Scottsdale, Arizona. November 18, 1994.

Buechel, FF: LCS Design Rationale. Presented at The Les Journees High Tech Meeting. Paris, France. January 22-23, 1993.

Buechel, FF: LCS Surgical Technique. Presented at The Les Journees High Tech Meeting. Paris, France. January 22-23, 1993.

Buechel, FF: LCS 12-Year Clinical Experience. Presented at The Les Journees High Tech Meeting. Paris, France. January 22-23, 1993.

Buechel, FF: Design Rational of the LCS Knee. Presented at the Mobile Bearings in Knee Joint Replacement Meeting. Redhill England. February 1-2, 1993.

Buechel, FF: Fifteen Years Clinical Experience With The LCS Knee. Presented at the Mobile Bearings in Knee Joint Replacement Meeting. Redhill, England. February 1-2, 1993.

Buechel, FF: Design Rationale For Mobile Bearing Knee System. Presented at the Issues in Orthopaedic Implant Technology Symposium. Keystone, Colorado. March 16-21, 1993.

Buechel, FF: Long Term Survivorship of a Mobile Bearing Knee System: Personal and Multi-Center Results. Presented at the Issues in Orthopaedic Implant Technology Symposium. Keystone, Colorado. March 16-21, 1993.

Buechel, FF: Rotating Platform Results. Presented at the Issues in Orthopaedic Implant Technology Symposium. Keystone, Colorado. March 16-21, 1993.

Buechel, FF: The Use of Rotating Bearings in Complex Revision Total Knee Arthroplasty. Presented at the Issues in Orthopaedic Implant Technology Symposium. Keystone, Colorado. March 16-21, 1993.

Buechel, FF: Resurfacing Total Hip Arthroplasty Using Titanium Nitride on Polyethylene: Early Survivorship and Clinical Results. Presented at The New Jersey Orthopaedic Society and The New York State Society of Orthopaedic Surgeons Annual Spring Meeting. Cerramar Beach, Puerto Rico. April 20-25, 1993.

Buechel, FF: Do Mobile Bearing Knees Provide an Answer? Presented at The Orthopaedic Update Symposium. Palm Beach Gardens, Florida. April 23-24, 1993.

Buechel, FF: Known Mobile Bearing Complications and How to Avoid Them. Presented at The Orthopaedic Update Symposium. Palm Beach Gardens, Florida. April 23-24, 1993.

Buechel, FF: The Use of Rotating Bearing In Complex Revision Total Knee Arthroplasty. Presented at The Orthopaedic Update Symposium. Palm Beach Gardens, Florida. April 23-24, 1993.

Buechel, FF: What Would Do? Case Presentation. Presented at The Orthopaedic Update Symposium. Palm Beach Gardens, Florida. April 23-24, 1993.

Buechel, FF: Meniscal Bearing Knee Replacement: A Solution to the Wear Problem. Presented at The Controversies in Knee Surgery International Meeting. London, England. May 21-22, 1993.

Buechel, FF: A Sequential Three-Step Lateral Release For Correcting Fixed- Valgus Knee Deformities During Total Knee Replacement. Presented at the Controversies in Knee Surgery International Meeting. London, England. May 21-22, 1993.

Buechel, FF: Avoidance of the Stiff Knee Associated With TKR. Presented at the Controversies in Knee Surgery International Meeting. London, England. May 21-22, 1993.

Buechel, FF: Pitfalls in Reconstructing The Extensor Mechanism. Presented at the Controversies in Knee Surgery International Meeting. London, England. May 21-22, 1993.

Buechel, FF: An Update on Total Joint Replacement. Presented at The Inter Hospital Rheumatology Rounds. UMDNJ-New Jersey Medical School, Newark, New Jersey. May 26, 1993.

Buechel, FF: LCS Design Rationale. Presented at The Lehigh Valley Learning Center. Lehigh High Valley Hospital. Allentown, Pennsylvania. June 11, 1993.

Buechel, FF: Results (U.S. Multi-Center). Presented at The Lehigh Valley Learning Center. Lehigh High Valley Hospital. Allentown, Pennsylvania. June 11, 1993.

Buechel, FF: Cementless Titanium Nitride Ceramic Total Hip Replacement: Design Rationale, Early Clinical Results and Survivorship Analysis. Presented at The Orthopaedic Surgery Trauma Society Annual Meeting. Providenciales, Turks, and Caicos Islands, B.W.I. June 19-26, 1993.

Buechel, FF: Fracture of Meniscal Bearings in TKR: Etiology and Management. Presented at The Orthopaedic Trauma Society Annual Meeting. Providenciales, Turks, and Caicos Islands, B.W.I. June 19-26, 1993.

Buechel, FF: Do Mobile Bearings Provide an Answer? Presented at The Issues in Orthopaedic Technology. San Diego California. September 24, 1993.

Buechel, FF: Known Mobile Bearing Complications and How to Avoid Them. Presented at The Issues in Orthopaedic Technology. San Diego, California. September 24, 1993.

Buechel, FF: Successful Use of a Metal Backed Rotating Anatomic Patella in Total Knee Arthroplasty. Presented at The Issues in Orthopaedic Technology. San Diego, California. September 24, 1993.

Buechel, FF: Contact Stress Survival of Gliding Meniscal Bearing Using LCS-TKR. Presented at Deutschen Gesellschaft fur Orthopadie and Traumatologie. Munich, Germany. October 2, 1993.

Buechel, FF: A Sequential 3 Step Lateral Release for Fixed Valgus Knee Deformities During TKR. Presented at Deutschen Gelsellschaft fur Orthopadie and Traumatologie. Munich, Germany. October 2, 1993.

Buechel, FF: LCS Design Rationale. Presented at The Vienna General Hospital. Vienna, Austria. October 4, 1993.

Buechel, FF: LCS Surgical Technique and Instrumentation. Presented at The Vienna General Hospital. Vienna, Austria. October 4, 1993.

Buechel, FF: 3 Step Lateral Approach for Correcting Fixed Valgus Knee Deformities. Presented at The Vienna General Hospital. Vienna, Austria. October 4, 1993.

Buechel, FF: LCS Revisions. Presented at The Vienna General Hospital. Vienna Austria. October 4, 1993.

Buechel, FF: The LCS Knee No Cement and PCL Sacrificing. Presented at The Annual Interim Knee Society Meeting. Beverly Hills, California. October 7, 1993.

Buechel, FF: New Jersey LCS Knee Replacement System: 15 Year Clinical Experience. Presented at The 8th Annual Joint Replacement Symposium. Palm Beach, Florida. November 11, 1993.

Buechel, FF: Titanium Nitride Ceramic Coatings. Presented at The 8th Annual Joint Replacement Symposium. Palm Beach, Florida. November 12, 1993.

Buechel, FF: LCS Design Rationale Historical Overview. Presented at Lehigh Valley Learning Center, Lehigh Valley Hospital. Allentown, Pennsylvania. December 3, 1993.

Buechel, FF: LCS Results (Primary TKA). Presented at Lehigh Valley Learning Center, Lehigh Valley Hospital. Allentown, Pennsylvania. December 3, 1993.

Buechel, FF: Cementless Meniscal Bearing TKA. Presented at The 9th Annual Current Concepts in Joint Replacement Symposium. Orlando, Florida. December 17-19, 1993.

Buechel, FF: Modified Articulating Surfaces: Hype or Hope? Presented at The 9th Annual Current Concepts in Joint Replacement Symposium. Orlando, Florida. December 17-19, 1993.

Buechel, FF: Modular Exchange in THA. Presented at The 9th Annual Current Concepts in Joint Replacement Symposium. Orlando, Florida. December 17-19, 1993.

Buechel, FF: Design Rationale of The LCS Knee Replacement System. Mobile. Presented at The Summits of Orthopaedic Technology Symposium. Interlaken, Switzerland. January 23, 1992, Koge, Denmark. January 29, 1992.

Buechel, FF: Design Rationale of The LCS Knee Replacement System. Mobile Vs Fixed Bearings Presented at The Mobile Bearings in Knee Replacement Symposium. Perthshire, Scotland. February 3, 1992.

Buechel, FF: 13 Years Clinical Experience of The LCS Knee. . Presented at The Mobile Bearings in Knee Joint Replacement Symposium. Chertsey, England. February 6, 1992.

Buechel, FF: Design Rationale of The LCS Knee Replacement System. Presented at The Mobile Bearings in Knee Joint Replacement Symposium. Chertsey, England. February 6, 1992.

Pappas MJ, and Buechel, FF: Wear in Prosthetic Knee Joints. Presented at The 59th Annual Meeting of The American Academic of Orthopedic Surgeons. Washington, D.C. February 20-25, 1992. (Scientific Exhibit).

Sorrels, R.B., Buechel, FF, Voorhous, P.E., et al: Comparison of The Clinical Results and Survivorship of Cemented and Uncemented Cruciate Sacrificing Total Knee Replacement. Presented at The 59th Annual Meeting of The American Academic of Orthopedic Surgeons. Washington, D.C. February 20-25, 1992.

Keblish, P.K., Buechel, FF, and Fenning, J.B.: Cementless Bearing TAR: Results of a 237 Multicenter Clinical Trial. Presented at The 22nd Annual American Orthopaedic Foot and Ankle Society Meeting. Washington, D.C. February 23, 1992.

Buechel, FF: Design Rationale For a Mobile Bearing Knee System. Presented at The Issues in Orthopaedic Implant Technology Symposium. Breckenridge, Colorado. March 27, 1992.

Buechel, FF: Pre- Operative Planning: The Approach and Surgical Technique. Presented at The Issues in Orthopaedic Implant Technology Symposium. Breckenridge, Colorado. March 27, 1992.

Buechel, FF: Long-Term Survivorship Analysis of The Mobile Bearing Knee System: A Personal Series. Presented at The Issues in Orthopaedic Implant Technology Symposium. Breckenridge, Colorado. March 27, 1992.

Buechel, FF: Long-Term (5-10 Years) Follow-Up of Cemented and Cementless New Jersey LCS Total Knee Replacement: Clinical and Survival Analysis. Presented at The

New Jersey Orthopaedic Society Annual Meeting. Grand Cayman Island, British West Indies. April 11, 1992.

Buechel, FF: Cementless LCS Knee Endoprosthesis: Concepts and 10 Year Evaluation. Presented at The 4th World BioMaterials Congress. Berlin, Germany. April 25, 1992.

Buechel, FF: Design Rationale of Mobile Bearing Knee System And Long Term Results Of New Jersey Total Knee Replacement. Experience Presented at The Cutting Edge of Total Knee Arthroplasty. San Diego, California. May 2, 1992.

Buechel, FF: Salvage Revision Infected Total Knee Arthroplasty: Presented at The Cutting Edge of Total Knee Arthroplasty. San Diego, California. May 3, 1992.

Buechel, FF: Cemented and Cementless Revision Knee Arthroplasty: A 13 Year Experience Presented at The Cutting Edge of Total Knee Arthroplasty. San Diego, California. May 3, 1992.

Buechel, FF: Long Term Clinical and Survivorship Analysis of The New Jersey Bearing Knee System. Presented At The LCS Total Knee Symposium. Cleveland, Ohio. May 7, 1992.

Buechel, FF: Efficacy of Modular Stems in Total Hip Replacement. Presented at The Annual Orthopaedic Alumni Society-New Jersey School Meeting. Newark, New Jersey. May 16, 1992.

Buechel, FF: Long-Term (5-10 Years) Follow-Up of Cemented and Cementless New Jersey LCS Total Knee Replacement. Presented at The Annual Orthopaedic Alumni Society-New Jersey School Meeting. Newark, New Jersey. May 16, 1992.

Buechel, FF: Efficacy of Modular Stems in Total Hip Replacement. Presented at The Eighteen Annual Orthopaedic Surgery and Trauma Society Scientific Meeting. Peter Island, British Virgin Islands. June 13-20, 1992.

Buechel, FF: Current Status of Resurfacing Total Hip Replacement. Presented at The Eighteen Annual Orthopaedic Surgery and Trauma Society Scientific Meeting. Peter Island, British Virgin Islands. June 13-20, 1992.

Buechel, FF: Long-Term (5 to 10 Years) Results of Cemented and Cementless LCS Total Knee Arthroplasty. Presented at The Eighteen Annual Orthopaedic Surgery and Trauma Society Scientific Meeting. Peter Island, British Virgin Islands. June 13-20, 1992.

Buechel, FF, and Pappas, MJ: Comparison of 5 to 10 Year Cemented and Cementless New Jersey LCS Total Knee Replacement Results: Clinical and survivorship Analysis. Presented at The Combined Meeting of The Orthopaedic Associations of the English Speaking World. Toronto, Canada. June 21-26, 1992 (Poster Exhibit).

Buechel, FF: Unicondylar Knee Replacements. Presented at The Charnley Era Meeting Wrightington, England. September 7, 1992.

Buechel, FF: Long Term Results of LCS Knee Replacement. Presented at The Charnley Era Meeting Wrightington, England. September 7, 1992.

Buechel, FF: Revision Surgery With LCS Knee Replacement. Presented at The ETA Meeting. Wrightington, England. September 7, 1992.

Buechel, FF: Fracture of Meniscal Bearings in TKR: Etiology and Management. Presented at The Knee Interim Meeting. Philadelphia, Pennsylvania. September 25, 1992.

Buechel, FF: A Technique For Delay Lysis of Intractable Adhesions Following TKR. Presented at The Knee Interim Meeting. Philadelphia, Pennsylvania. September 25, 1992.

Buechel, FF: API Instruments: Are They Easy? Presented at The DePuy Total Knee Summit II. Schaumber, Illinois. October 20, 1992.

Buechel, FF; Soft Tissue Balancing Approaches. Presented at The DePuy Total Knee Summit II. Schaumber, Illinois. October 20, 1992.

Buechel, FF: Are Mobile Bearings The Answer. Presented at The Controversies in Hip and Knee Arthroplasty. Baltimore, Maryland. October 22-23, 1992.

Buechel, FF: Diagnosis and Management of The Infected Total Knee. Presented at The Controversies in Hip and Knee Arthroplasty. Baltimore, Maryland. October 22-23, 1992.

Buechel, FF: Cementless Mobile Bearing TKR: 10 Year Results. Presented at The Seventh Annual Joint Replacement Symposium. Palm Beach, Florida. October 22-24, 1992.

Buechel, FF: Modular Stems For THR. Presented at The Seventh Annual Joint Replacement Symposium. Palm Beach, Florida. October 22-24, 1992.

Buechel, FF: Modularity in Total Hip Design. Presented at The Total Joint Arthroplasty Current Issue, Concepts, and Considerations Symposium. Tarpon, Springs, Florida. October 29-31, 1992.

Buechel, FF: Resurfacing Total Hip Arthroplasty using Titanium Nitride in Polyethylene. Early Survivorship and Clinical Results. Presented at The Tenth Annual British Course on Hip Surgery. Oswestry, England. November 4-5, 1992.

Buechel, FF: Cementless Proximal Porous Coated Femoral Components. A Ten Year Evolution in THA. Presented at The Tenth Annual British Course on Hip Surgery. Oswestry, England. November 4-5, 1992.

Buechel, FF: Design Rationale For a Mobile Bearing Knee System. Presented at The Issues in Orthopaedic Implant Technology. Rancho Mirage, California. November 10-15, 1992.

Buechel, F. F.: Long Term Survivorship of a Mobile Bearing Knee System. Presented at The Issues in Orthopaedic Implant Technology. Rancho Mirage, California. November 10-15, 1992.

Buechel, FF: Pre-Operative Planning: The Approach And Surgical Technique. Presented at The Issues in Orthopaedic Implant Technology. Rancho Mirage, California. November 10-15, 1992.

Buechel, FF: Can Polyethylene Wear be Reduced With Design. Presented at The 9th Annual State of the Art in Joint Replacement Symposium. Phoenix, Arizona. November 22-25, 1992.

Buechel, FF: Fourteen Year Survivorship Analysis of Mobile Bearing Total Knee Arthroplasty. Presented at The 9th Annual State of the Art in Joint Replacement Symposium. Phoenix, Arizona. November 22-25, 1992.

Buechel, FF: Present Application and Future of Resurfacing Hips. Presented at The 9th Annual State of the Art in Joint Replacement Symposium. Phoenix, Arizona. November 22-25, 1992.

Buechel, FF: Cementless Mobile Bearing Total Ankle Replacement: Clinical and Ten Year Survivorship Analysis. Presented at The 9th Annual State of the Art in Joint Replacement Symposium. Phoenix, Arizona. November 22-25, 1992.

Buechel, FF: Cementless Knees: Indications and Outcome. Presented at The 41st Annual Cylindrical Meeting of The New Jersey Chapter Of The American College of Surgeons. Atlantic City, New Jersey. December 5-6, 1992.

Buechel, FF: A System Approach to THA Design. Presented at The Eight Annual Current Concept in Joint Replacement Symposium. Orlando, Florida. December 17-19, 1992.

Buechel, FF: Cementless Meniscal Bearing TKA. Presented at The Eight Annual Current Concept in Joint Replacement Symposium. Orlando, Florida. December 17-19, 1992.

Buechel, FF Design Rationale For A Mobile Bearing Knee System. Presented at The Issues in Orthopaedic Implant Technology Symposium. Breckenridge, Colorado. January 15-20, 1991.

Buechel, FF Long-Term Survivorship of The Mobile Bearing Knee System. Presented at The Issues in Orthopaedic Implant Technology Symposium. Breckenridge, Colorado. January 15-20, 1991.

Buechel, FF Pre-Operative Planning: The Approach and Surgical Technique. Presented at The Issues in Orthopaedic Implant Technology Symposium. Breckenridge, Colorado. January 15-20, 1991.

Buechel, FF Salvage Revision of The Infected Total Knee Replacement. Presented at The Issues in Orthopaedic Implant Technology Symposium. Breckenridge, Colorado. January 15-20, 1991.

Buechel, FF Cemented and Cementless Revision Arthroplasty Using Rotating-Platform Total Knee Implants. A 12 Year Experience. Presented at The Issues in Orthopaedic Implant Technology Symposium. Breckenridge, Colorado. January 15-20, 1991.

Buechel, FF, Pappas, MJ, and Makris, G.: Evaluation of Contact Stress in Metal Backed Patellar Replacements: A Predictor of Survivorship. Presented at The Eighth Annual Knee Society Meeting. Anaheim, California. March 10, 1991.

Buechel, FF 13 Years Clinical Experience with The LCS Total Knee Replacement System. Presented at The Issues in Orthopaedic Implant Symposium. Croyden, United Kingdom. April 1-2, 1991.

Buechel, FF Design Background and Experience with The Buechel/Pappas Resurfacing Prosthesis. Presented at The Ninth Annual British Course on Hip Surgery. April 3-6, 1991.

Buechel, FF 13 Years Clinical Experience with The LCS Total Knee Replacement System. Presented at The Issues in Orthopaedic Implant Symposium. Leipzig, Germany. April 7-9, 1991.

Buechel, FF Development and Importance of LCS Knee. Presented at The Norstader Nachmittag. Hanover, Germany. April 10, 1991.

Buechel, FF The Role of High Performance Bearings in Total Knee Replacement. Presented at The Sixth Annual Boston Knee Replacement Symposium. Boston, Massachusetts. April 18-20, 1991.

Buechel, FF Use of Survivorship and Contact Stress Analysis to Predict Long-Term TKR Results. Presented at The Sixth Annual Boston Knee Replacement Symposium. Boston, Massachusetts. April 18-20, 1991.

Buechel, FF Long-Term Cemented and Cementless Results of LCS Primary and Multiply Operated TKR: 13 Year Study. Presented at The Sixth Annual Boston Knee Replacement Symposium. Boston, Massachusetts. April 18-20, 1991.

Buechel, FF Cemented and Cementless Revision Total Knee Replacement Using a Rotating Platform: 13 Year Results. Presented at The Sixth Annual Boston Knee Replacement Symposium. Boston, Massachusetts. April 18-20, 1991.

Buechel, FF, Pappas, MJ Use of Titanium Nitride as a Bearing Surface Total Joint Replacement. Presented at The Harvard Knee Symposium. Cambridge, Massachusetts. April 25-27, 1991.

Buechel, FF Design Rationale and Update 13 Years Clinical Experience with The LCS Knee System. Presented at The International Knee Symposium. Berlin, Germany. May 9-10, 1991.

Buechel, FF The History and Development of The New Jersey LCS Knee. Presented at Journees D'Orthopaedic. Paris, France. May 13, 1991.

Buechel, FF Long -Term Results of a Non-Cemented Meniscal Bearing Total Ankle Replacement with Survivorship Analysis. . Presented at Journees D'Orthopaedic. Paris, France. May 13, 1991.

Buechel, FF Current Status of Surface Replacement. Presented at The 1991 Contemporary Issues in Total Hip and Knee Replacement Symposium. Indianapolis, Indiana. May 16-18, 1991.

Buechel, FF Long-Term Results of The LCS Meniscal Bearing Knee Replacement System: A 13 Year Study. Presented at The 1991 Contemporary Issues in Total Hip and Knee Replacement Symposium. Indianapolis, Indiana. May 16-18, 1991.

Buechel, FF Mobile Patellar Replacement in Total Knee Arthroplasty. Presented at The 1991 Contemporary Issues in Total Hip and Knee Replacement Symposium. Indianapolis, Indiana. May 16-18, 1991.

Buechel, FF Recent Advances in Total Shoulder Replacement. Presented at Saint Barnabas Medical Center Grand Rounds. Livingston, New Jersey. June 5, 1991.

Buechel, FF Thirteen Years of Revision Total Knee Replacement Using Cemented and Cementless Rotating Platform TKR. Presented at The Seventh Annual Orthopaedic Surgery and Trauma Society Scientific Meeting. Cozumel, Mexico. June 24-27, 1991.

Buechel, FF Current Status of Surface Replacement of The Hip. Presented at The Seventh Annual Orthopaedic Surgery and Trauma Society Scientific Meeting. Cozumel, Mexico. June 24-27, 1991.

Buechel, FF: High Performance Bearings in Total Knee Replacement. Presented at The Combined Meeting of The Australian and New Zealand Knee Societies. Mt. Cook, New Zealand. August 15-18, 1991.

Buechel, FF Failure Mechanism of The Tibio- Femoral Joint in Total Knee Arthroplasty. Presented at The Combined Meeting of The Australian and New Zealand Knee Societies. Mt. Cook, New Zealand. August 15-18, 1991.

Buechel, FF Pre-Op Planning and Results of Revision TKR Using Rotating Platform Implants: 13 Year Experience. Presented at The Combined Meeting of The Australian and New Zealand Knee Societies. Mt. Cook, New Zealand. August 15-18, 1991.

Buechel, FF Personal Experience with Revision Total Hip Replacement. Presented at The Combined Meeting of The Australian and New Zealand Knee Societies. Mt. Cook, New Zealand. August 15-18, 1991.

Buechel, FF Early Experience With Straight-Stemmed, Cementless, Titanium Alloy Hip Replacement With a Horizontal Collar. Presented at The Combined Meeting of The Australian and New Zealand Knee Societies. Mt. Cook, New Zealand. August 15-18, 1991.

Buechel, FF Design Rationale and Long Term Experience With A Mobile Bearing Knee Replacement System. Presented at Avenue Hospital. Melbourne, Australia. August 31, 1991.

Buechel, FF: Cementless Technique in Total Knee Arthroplasty. Presented at The Knee Society State of The Art Total Knee Review Course. Itasca, Illinois. October 4, 1991.

Buechel, FF: Design Rationale and Long Term Results With a Mobile Bearing Knee Replacement System. Presented at The Medical University School Symposium. Debrecen, Hungary, October 18, 1991 and The Charles University Orthopaedic Clinic. Prague, Czechoslovakia. October 21, 1991.

Buechel, FF: Design Rationale for a Mobile Bearing Knee System: Presented at The Issues in Orthopaedic Implant Technology. Marco Island, Florida. November 6-10, 1991.

Buechel, FF: Long Term Survivorship of The Mobile Bearing Knee System. Presented at The Issues in Orthopaedic Implant Technology. Marco Island, Florida. November 6-10, 1991.

Buechel, FF: Pre-Operative Planning: The approach and Surgical Technique for Implanting the N.J. LCS Total Knee Replacement. Presented at The Issues in Orthopaedic Implant Technology. Marco Island, Florida. November 6-10, 1991.

Buechel, FF: Salvage Revision of The Infected Total Knee Replacement. Presented at The Issues in Orthopaedic Implant Technology. Marco Island, Florida. November 6-10, 1991.

Buechel, FF: Cemented and Cementless Revision Arthroplasty Using Rotating Platform Total Knee Implants. A 13 Year Experience. Presented at The Issues in Orthopaedic Implant Technology. Marco Island, Florida. November 6-10, 1991.

Buechel, FF: Long Term Results of a Mobile Bearing System: Cemented and Cementless. Presented at New England Baptist Hospital Grand Rounds. Boston, Massachusetts. November 13, 1991.

Buechel, FF: Efficacy of Modular Stems in Total Hip Replacement. Presented at the Seventh Annual Current Concepts in Joint Replacement Symposium. Orlando, Florida. December 6-8, 1991.

Buechel, FF.: Comparison of Cemented and Cementless Meniscal Bearing Knee Replacement. Presented at the Seventh Annual Current Concepts in Joint Replacement Symposium. Orlando, Florida. December 6-8, 1991.

Buechel, FF: Failure Mechanisms of the Tibial-Femoral Joint In Total Knee Arthroplasty. Presented at the Knee Society State of The Art Total Knee Review Course. New York, New York. December 9, 1991.

Buechel, FF, Keblish, P.A., Lee, J.M., and Pappas, MJ: Meniscal Bearing Unicompartamental Knee Replacement: Long Term Evaluation of Cemented and Non-Cemented Results. Presented at The 57th Annual American Academy of Orthopaedic Surgeons Meeting. New Orleans, Louisiana. February 13, 1990.

Buechel, FF: A Sequential Three-Step Lateral Release for Correcting Fixed-Valgus Knee deformities During Total Knee Replacement. Presented at The 7th Annual Knee Society Meeting. New Orleans, Louisiana. February 11, 1990.

Buechel, FF, and Pappas, MJ; Long-Term Survivorship Analysis of Cruciate Sparing Versus Cruciate Sacrificing Knee Replacements Using Meniscal Bearings. Presented at The 7th Annual Knee Society Meeting. New Orleans, Louisiana. February 11, 1990.

Buechel, FF: Il Sistema Protesico LCS di New Jersey. Presented at the 2nd Winter Up to Date Course In Orthopaedics and Traumatology. Ponte Di Legno, Italy. February 19, 1990.

Buechel, FF: New Jersey LCS Knee and Ankle. Presented at The Journee D'Orthopaedic Genoi et Cheville. Paris, France. February 21, 1990.

Buechel, FF: 11 Jahre Erfahrung mit dem LCS Patella-Revision en Probleme. Presented at The Essner Orthopaedic Symposium. Eseen, Germany February 23, 1990.

Buechel, FF: New Jersey LCS Op-Technique. Presented at The Essner Orthopaedic Symposium. Eseen, Germany February 23, 1990.

Cohen, M., Buechel, FF, and Pappas, MJ: Meniscal Bearing, Unicompartmental Knee Arthroplasty: An Eleven Year Clinical Study. Presented at The 1990 AOA Residents Conference. New Port, California. March 5, 1990.

Buechel, FF: Design Rationale for a Mobile Bearing Knee System. . Presented at Issues in Orthopaedic Implant Technology. Park City, Utah. March 16, 1990.

Buechel, FF: Pre-Operative Planning: The Approach and Surgical Technique for Implanting The New Jersey LCS Total Knee Replacement. Presented at Issues in Orthopaedic Implant Technology. Park City, Utah. March 16, 1990.

Buechel, FF: Long-Term Survivorship of The LCS Knee System. Presented at Issues in Orthopaedic Implant Technology. Park City, Utah. March 16, 1990.

Buechel, FF: The Use of Cemented and Cementless Rotating Platforms in Complex Revision TKR. . Presented at Issues in Orthopaedic Implant Technology. Park City, Utah. March 16, 1990.

Buechel, FF: Long Term Results of a Meniscal Bearing Knee Replacement. Presented at The Fifth Annual Boston Knee Replacement Symposium. Boston, Massachusetts. April 28, 1990.

Buechel, FF: Patellar Resurfacing with a Rotating Bearing Implant. Presented at The Fifth Annual Boston Knee Replacement Symposium. Boston, Massachusetts. April 28, 1990.

Buechel, FF: Salvage Revision of the Infected Total Knee Replacement. Presented at Current Issues in Revision Hip and Knee Arthroplasty. Scottsdale, Arizona. May 5, 1990.

Buechel, FF: Treatment of the Patella in Revision Total Knee Surgery. Presented at Current Issues in Revision Hip and Knee Arthroplasty. Scottsdale, Arizona. May 5, 1990.

Buechel, FF: Buechel, FF: Cemented and Cementless Revision Arthroplasty Using Rotating Platform Total Knee Implants: A 12 Year Experience. Presented at Current Issues in Revision Hip and Knee Arthroplasty. Scottsdale, Arizona. May 5, 1990.

Pappas, MJ, Makris, G., and Buechel, FF: Comparison of Wear Using UHMWPe Cups Articulating with Co-Cr and TiN Coated Femoral Heads. Presented at The Annual Orthopaedic Alumni Society-New Jersey Medical School Meeting. Newark, New Jersey. May 12, 1990.

Buechel, FF: Long-Term Results of a Meniscal Bearing Knee Replacement. Presented at The Annual Orthopaedic Alumni Society-New Jersey Medical School Meeting. Newark, New Jersey. May 12, 1990.

Buechel, FF: Resurfacing Hip Replacement in Young Patients with Avascular Necrosis. Presented at The Annual Orthopaedic Alumni Society-New Jersey Medical School Meeting. Newark, New Jersey. May 12, 1990.

Buechel, FF: Advanced Concepts In Joint Replacement Surgery. Presented at Saint Barnabas Medical Center Surgical Grand Rounds. Livingston, New Jersey. May 12, 1990.

Buechel, FF: Survivorship Analysis: A Medico-Legal Tool For Clinical Trial Evaluation. Presented at the Sixteenth Annual Orthopaedic Surgery and Trauma Society Scientific Meeting. Grand Cayman Island, British West Indies. June 16-23, 1990.

Buechel, FF: Limb Salvage Arthroplasty After Osteosarcoma: A Case History. Presented at the Sixteenth Annual Orthopaedic Surgery and Trauma Society Scientific Meeting. Grand Cayman Island, British West Indies. June 16-23, 1990.

Buechel, FF: Resurfacing Hip Replacement in Young Patients with Avascular Necrosis. Presented at the Sixteenth Annual Orthopaedic Surgery and Trauma Society Scientific Meeting. Grand Cayman Island, British West Indies. June 16-23, 1990.

Buechel, FF: Long-Term Results of a Meniscal Bearing Knee Replacement. Presented at the Sixteenth Annual Orthopaedic Surgery and Trauma Society Scientific Meeting. Grand Cayman Island, British West Indies. June 16-23, 1990.

Buechel, FF: The History and Development of the New Jersey LCS Knee. Presented at The Mobile Bearing in Knee Joint Replacement Symposium. Sanibel, Florida. September 7-8, 1990.

Buechel, FF: A 13-Year Evaluation of a Mobile Bearing Knee Replacement System. Presented at The Mobile Bearing in Knee Joint Replacement Symposium. Sanibel, Florida. September 7-8, 1990.

Buechel, FF: Cemented and Cementless Revision Arthroplasty Using Rotating Platform Total Knee Implants: A 12 Year Experience. Presented at The Mobile Bearing in Knee Joint Replacement Symposium. Sanibel, Florida. September 7-8, 1990.

Buechel, FF: Design Rationale for a Mobile Bearing Knee System. Presented at The Issues in Orthopaedic Implant Technology Symposium Hilton Head, South Carolina. October 17-21, 1990.

Buechel, FF: Pre-Operative Planning: The Approach and Surgical Technique for Implanting The New Jersey LCS Mobile Bearing Knee. Presented at The Issues in

Orthopaedic Implant Technology Symposium Hilton Head, South Carolina. October 17-21, 1990.

Buechel, FF: Cemented and Cementless Revision Arthroplasty Using Rotating Platform Total Knee Implants: A 12 Year Experience. Presented at The Issues in Orthopaedic Implant Technology Symposium. Hilton Head, South Carolina. October 17-21, 1990.

Buechel, FF: Salvage Revision of The Infected Total Knee Replacement. Presented at The Issues in Orthopaedic Implant Technology Symposium. Hilton Head, South Carolina. October 17-21, 1990.

Buechel, FF: Failure Mechanisms of the Tibial-Femoral Joint in Total Knee Arthroplasty. Presented at the Knee Society State of the Art Total Knee Review Course. New York, New York. October 26, 1990.

Buechel, FF The Theory of The Low Contact Stress Principles and Cementless Principles of The LCS Knee. Presented at The Wisconsin Society Meeting. Oconomowoc, Wisconsin. November 2, 1990.

Buechel, FF The Clinical Experience of The LCS Knee, Cemented and Uncemented, Primary vs. Revision. Presented at The Wisconsin Society Meeting. Oconomowoc, Wisconsin. November 2, 1990.

Buechel, FF: Salvage Revision of The Infected Prosthetic Knee. Presented at The Kaiser Permanent Revision Techniques in Hip and Knee Arthroplasty Symposium. Irvine, California. November 3, 1990.

Buechel, FF: Cemented and Cementless Revision Arthroplasty Using Rotating Platform Total Knee Implants: A 12-Year Experience. Presented at The Kaiser Permanent Revision Techniques in Hip and Knee Arthroplasty Symposium. Irvine, California. November 3, 1990.

Buechel, FF Resurfacing Total Hip Replacement for Avascular Necrosis in Young Patients: Durability, Revision Options, and Future Technology. Presented at The Sixth Annual Current Concepts in Joint Replacement Symposium. Orlando, Florida. December 6, 1990.

Buechel, FF Cemented vs. Cementless Meniscal Bearing Total Knee Arthroplasty. Presented at The Sixth Annual Current Concepts in Joint Replacement Symposium. Orlando, Florida. December 7, 1990.

Buechel, FF: Meniscal Bearing Total Knee Replacement. Presented at Current Concepts in Implant Fixation. Orlando, Florida. December 16, 1990.

Buechel, FF: Resurfacing Hip Replacement for AVN. Presented at Current Concepts in Implant Fixation. Orlando, Florida. December 16, 1990.

Buechel, FF: Surface Replacement Procedures in Hip Surgery. Presented at the Surface Replacement in Hip Surgery Symposium. Sponsored by Contemporary Orthopaedic. Las Vegas, Nevada. February 1989.

Buechel, FF: Evolution of LCS Total Knee System and Retrieval Analysis of Total Knee Arthroplasty After Long-Term Use. Presented at The Issues in Orthopaedic Implant Technology Course. Frenchman's Reef, St. Thomas, U.S. Virgin Islands. April 19-23, 1989.

Buechel, FF: LCS Total Knee System Surgical Technique Using the A.P.I. Instrumentation. Presented at The Issues in Orthopaedic Implant Technology Course. Frenchman's Reef, St. Thomas, U.S. Virgin Islands. April 19-23, 1989.

Buechel, FF: The Role of Instrumentation in Total Knee Arthroplasty: Minimum Steps, Maximum Control of Alignment and Stability. Presented at The Issues in Orthopaedic Implant Technology Course. Frenchman's Reef, St. Thomas, U.S. Virgin Islands. April 19-23, 1989.

Buechel, FF: Use of a Metal Backed Rotating-Bearing Patella, An 11 Year Clinical Study. Presented at The Issues in Orthopaedic Implant Technology Course. Frenchman's Reef, St. Thomas, U.S. Virgin Islands. April 19-23, 1989.

Buechel, FF: Bioengineering Concepts of Load Elements for Total Knee Replacement. Presented at The Fourth Annual Boston Knee Replacement Symposium. Cambridge, Massachusetts. April 28-30, 1989.

Buechel, FF: Results of New Jersey LCS Bearing Knee Replacement. Presented at The Fourth Annual Boston Knee Replacement Symposium. Cambridge, Massachusetts. April 28-30, 1989.

Buechel, FF: New Jersey Low Contact Stress Knee Replacement System: 10 Year Evaluation of Meniscal Bearings. Presented at The International Society of the Knee Biennial Meeting. Rome, Italy. May 10, 1989.

Buechel, FF: New Jersey Low Contact Stress Knee Replacement System: Comparison of Cemented and Non-Cemented Results at 2 to 7 Years Follow-Up. Presented at The International Society of the Knee Biennial Meeting. Rome, Italy. May 10, 1989.

Buechel, FF: LCS Knee 2-10 Year Follow-Up. Presented at The Pennsylvania Orthopaedic Society on Total Knee Arthroplasty. Hamilton, Bermuda. May 18, 1989.

Buechel, FF: Recent Advances in Total Joint Replacement. Presented at The Hospital Center at Orange Continuing Medical Education. Orange, New Jersey. September 12, 1989.

Keblish, P.A., and Buechel, FF: The Low Contact Stress Total Knee System: Biomechanical Rationale and Analysis of 1800 Cases. Presented at The Annual Australian Orthopaedic Association Meeting. Canberra, Australia. September 25-29, 1989.

Buechel, FF: New Jersey LCS Ankle: 2 to 7 Year Follow-Up. Presented at the LCS Knee and Ankle Symposium. Nimes, France. October 2, 1989.

Buechel, FF: New Jersey LCS Knee: 10 Year Follow-Up. Presented at the LCS Knee and Ankle Symposium. Nimes, France. October 2, 1989.

Buechel, FF: Long Term Results of a Mobile Bearing Knee System: Cemented and Cementless. Presented at the New York Academy of Medicine Symposium. New York, New York. November 13, 1989.

Buechel, FF: Design and Short and Long Term Results of the New Jersey LCS Knee. Presented at the Curacao Tropical Orthopaedic Congress. Willemstad, Caracao. November 19-24, 1989.

Buechel, FF: Long Term Experience with Cementless New Jersey LCS Total Knee Replacement. Presented at the 38th Annual New Jersey Chapter of the American College of Surgeons Clinical Meeting. Parsippany, New Jersey. December 2, 1989.

Buechel, FF: How to Correct Valgus and Lateral Approaches. American Academy of Orthopaedic Surgeons Course. Techniques of Total Knee Arthroplasty. Philadelphia, Pennsylvania. May 7, 1988.

Buechel, FF: Use of Allografts In complex Revision of Hip and Knee Replacements. Presented at The Fourteenth Annual Orthopaedic Surgery and Trauma Society and Scientific Meeting. Long Island, Bahamas. June 18-25, 1988.

Buechel, FF: Videotape: Lateral Approach to Fixed Valgus Knee (Live Surgery). Presented at The Fourteenth Annual Orthopaedic Surgery and Trauma Society and Scientific Meeting. Long Island, Bahamas. June 18-25, 1988.

Buechel, FF: Meniscal Bearing Knee Replacement. Presented at Recent Advances in Joint Replacement Symposium. London, England. September 1, 1988.

Buechel, FF: Cementless Fixation for Ankle Prosthesis. Presented at Recent Advances in Joint Replacement Symposium. London, England. September 2, 1988.

Buechel, FF: New Jersey Ankle Arthroplasty. Presented at The American Academy of Orthopaedic Surgeons Hindfoot Course. New York, New York. October 29, 1988.

Buechel, FF: Ankle Prosthesis Design. Presented at The American Academy of Orthopaedic Surgeons Hindfoot Course. New York, New York. October 29, 1988.

Buechel, FF: New Jersey LCS Knee System: 10 Year Evaluation of Meniscal Bearing Knee Replacement. Presented at The Academy of Orthopaedic Surgeons Arthritic Knee Surgical Treatment Symposium. New York, New York. November 1988.

Buechel, FF: Meniscal Bearing Knee Replacement-Principles and Long Term Follow-up. Presented at Current Concepts in Implant Fixation Course. Orlando, Florida. December 8-11, 1988.

Buechel, FF: Salvage of the Infected Knee Arthroplasty. Presented at Current Concepts in Implant Fixation Course. Orlando, Florida. December 8-11, 1988.

Buechel, FF: Arguments For and Against Cemented and Non-Cemented Knee Prosthesis. American Academy of Orthopaedic Surgeons Instructional Course: Complications of Primary and Revision Total Knee Replacement Arthroplasty. New York, New York. September-13, 1986.

Buechel, FF: Biomechanical Rationale and Clinical Results of the N.J. LCS Knee System. Presented at The International Symposium on Reconstruction of Adult Hip and Knee. Taipei, Taiwan. October 3-5, 1986.

Buechel, FF: Non-Cemented Meniscal Bearing Knee Replacement: A Three and One Half Year Clinical Study of Cruciate Retaining N.J. Knee Replacements. Presented at Knee Society 2nd Annual Meeting. Las Vegas, Nevada. January 1985.

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- 1990 Design Improvements for Femoral Resection Guide Positioner for API Total Knee Instruments.
- 1991 First Clinical Use of TiN Uni-Meniscal Bearing KR.
- 1991 Development and First Clinical Use of Rotating-Hinge TKR.
- 1991 Development and First Clinical Use of A-P Glide Rotating-Platform TKR.
- 1991 Development and First Clinical Use of TiN Improved Bicruciate TKR.
- 1991 Retrieval Analysis of Cemented Rotating Platform Knee Replacement.
- 1991 N.J. LCS Rotating Platform Total Knee Replacement System Approved by FDA For Cementless Use.
- 1991 N.J. LCS Unicompartmental Knee Replacement System Approved by FDA For Cementless Use.
- 1992 Development MCS Knee Bearing All Polyethylene Tibial, Patella Components.
- 1992 First Clinical Use of Rotating Platform TKR w/ Rotational Stop
- 1998 Development and clinical use (trial) of full conforming and partial conforming TKR femoral components
- 2000 First Clinical Use of Posterior-Stabilized AP Glide TKR. (11/20/00)
- 2001 First Clinical Use of Mark III Rotating Platform (Increased congruency Knee) (10/9/01)
- 2004 First Clinical Use of Total Ankle Prosthesis w/ Peripheral-Walled Tibial Component (05/12/04)

BIOMECHANICS & SPORTS MEDICINE:

- 1972-88 Consulting Physician
Seton Hall Prep Wrestling Team
Seton Hall University Wrestling Team
- 1973-Present Attending Physician
N.J.S.I.A.A. State Wrestling Championships
- 1975 Applied-Orthopaedic Biomechanics Co-Instructor & Course Lecturer at
The College of Medicine and Dentistry New Jersey Medical School-
Division of Orthopaedic Surgery.
- 1981 Team Physician-Kean College
All Sports
Union, New Jersey
- 1975-84 Team Physician-Union High School
Football Team
Union, New Jersey
Group IV N.J.S.I.A.A. State Champions,
1978, 79, 81, 82, 84

ORTHOPAEDIC ANATOMY:

Director Orthopaedic Anatomy
University of Medicine & Dentistry of New Jersey
Newark, New Jersey 1976-1985

TOTAL JOINT RECONSTRUCTION:

Chief, Total Joint Reconstructive and Arthritis Surgery Services
University of Medicine & Dentistry of New Jersey
New Jersey Medical School
Newark, New Jersey 1980-Present

SOCIETIES:

Essex County Medical Society 1973-Present

New Jersey Medical Society 1973-Present

American Medical Association	1973-Present
New Jersey Orthopaedic Society	1973-Present
Eastern Orthopaedic Association	1985-Present
Orthopaedic Surgery and Trauma Society (OST)	1988-Present
President	1991-1994
	2004-Present

PRIVATE PRACTICE:

South Mountain Orthopaedic Associates, P.A. 61 First Street South Orange, New Jersey 07079 (973) 762-8344	1977-Present
President of the Association	1980-2003
Secretary of the Association	2003-Present

HOSPITAL AFFILIATION & RANK:

University Hospital University of Medicine & Dentistry New Jersey Medical School 150 Bergen Street Newark, New Jersey 07103 Clinical Professor of Orthopaedic Surgery; Chief, Total Joint Reconstructive & Arthritis Surgery Services	1977-Present
East Orange Veterans Hospital 385 Tremont Avenue East Orange, New Jersey 07019 Orthopaedic Consultant-Total Joint Replacement	1977-2000
New Jersey Orthopaedic Hospital 289 Central Avenue Orange, New Jersey 07051 Attending	1977-2004
Chairman, Department of Orthopaedics and Fractures	1990-1994
Saint Barnabas Medical Center	

94 Short Hills Road
Livingston, New Jersey 07039
Associate Attending

1988-Present

Beth Israel Medical Center
201 Lyons Avenue
Newark, New Jersey 07112
Active Provisional Attending

1998-Present

Columbus Hospital
495 North 13th Street
Newark, NJ 07107

2004-Present

Naples Community Hospital
Consultant

2001-Present