Kenneth A. Gustke, M.D.

Kenneth A. Gustke, M.D.
Florida Orthopaedic Institute
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Educational Background

University
Wayne State University
Detroit, MI
1972

Medical School
Wayne State University School of Medicine
Detroit, MI
1976

Internship
Henry Ford Hospital
Detroit, MI
1977

Residency
Henry Ford Hospital
Detroit, MI
1981

Electives
Hand Surgery w. Joseph Posch, M.D. and Robert Larson, M.D.
Wayne State University
Detroit, MI
1978

Total Joint Replacement w. Roderic Turner, M.D.
New England Baptist Hospital
Boston, MA
1980

Fellowship
Arthritis Surgery and Total Joint Reconstruction
Mayo Clinic
Rochester, MN
1981

Academic, Hospital And Business Appointments

- University of South Florida College of Medicine, Department of Orthopaedic Surgery, 1981-1989
- Assistant Professor, University of South Florida College of Medicine, Department of Orthopaedic Surgery, 1981-1987
- Associate Professor, University of South Florida College of Medicine, Department of Orthopaedic Surgery, 1987-1989
- Clinical Associate Professor, University of South Florida College of Medicine, Division of Orthopaedic Surgery, 1989-1998
- Clinical Professor, University of South Florida College of Medicine, Division of Orthopaedic Surgery, 1998-2003, 2009-Present
- Florida Orthopaedic Institute, 1989-Present

Board Certification

- American Board of Orthopaedic Surgery, 1982

Heading (e.g. Professional Affiliations):

- Societies
  - American Academy of Orthopedic Surgeons
  - American Association of Hip and Knee Surgeons (Charter Member)
  - American Medical Association
  - Florida Medical Association
  - Hillsborough County Medical Association
  - Florida Orthopedic Society
- National Academic Committees
  - American Academy of Orthopaedic Surgeons Committee on Examinations – Adult Reconstruction Examination Subcommittee, 1986-1992
  - American Academy of Orthopaedic Surgeons Committee on Exhibits – Subcommittee on Poster and Scientific Exhibits: Hip, 1992-1999
- Hospital Administration
  - Vice-Chief of Surgery, Centurion Hospital of Carrollwood, February 1991- January 1992
  - Chief of Medical Staff, Centurion Hospital of Carrollwood/ University Community Hospital, February 1992- December 1993
  - Board Member- Physician Hospital Coalition, Tampa General Hospital, 1993-1994
- Practice Administration
  - Executive Committee Member, Florida Orthopaedic Institute, November 1990- June 1991
  - Secretary, Florida Orthopaedic Institute, July 1991- February 1993
  - President and Chairman of the Board Florida Orthopaedic Institute March 1993- January 1995
  - Board Member- Immediate Past President, Florida Orthopaedic Institute, February 1995- December 1996
  - Treasurer, Florida Orthopaedic Institute, January 1997- January 2001

Kenneth A. Gustke, M.D.

Publications

- *Torulopsis Glabrata Osteomyelitis, A Case Report.* Kenneth Gustke, M.D. and Kent K. Wu, M.D. Clin Ortho Rel Res, January-February 1981.
- *Pelvic Fractures.* Kenneth Gustke, M.D. Orthop Surg Update Series, Vol. 3, Lesson 5, 1984.
- *Treatment of Intracapsular Hip Fractures.* Kenneth Gustke, M.D. Orthop Surg Update Series, Vol. 3, Lesson 14, 1984.
- *Acetabular Reconstruction in Primary and Revision Total Hip Arthroplasty.* Kenneth Gustke, M.D. and Richard Grossman, M.D. Tech Orthop, Vol. 2. No. 1, 1987.
- *Centrifugation on Antibiotic Impregnated Bone Cement.* Janet Walker, M.D., Kenneth Gustke, M.D., John Toney, M.D. and John Sinnott, M.D. Orthop, Vol. 11, No. 6, June 1988.
- *Treatment of Intracapsular Hip Fractures.* Kenneth Gustke, M.D. Tech Orthop, Vol. 4, No. 2, 1989.
- *Southern Approach for Total Knee Replacement*. Michael Smigielski, M.D. and Kenneth Gustke, M.D. Florida Orthopedic Society Journal, Summer 1989.
- *Tuberculous Osteomyelitis Masked by Concomitant Staphylococcal Infection.* John Sinnott, M.D., Margarita Cancio, M.D., Mark Frankle, M.D., Kenneth Gustke, M.D. and Philip Spiegel, M.D. Arch Intern Med, Vol. 150, Sept 1990.
- *Retrieval Analysis of a Hydroxylapatite- Coated Hip Prosthesis.* Roy Bloebaum, Ph. D., Mark Merrell, M.D., Kenneth Gustke, M.D. and Michael Simmons, M.D. Clin Orthop 267, June 1991.
- *Symposium: Controversies in Revision Hip Surgery*. Lawrence Dorr, M.D., Benjamin Bierbaum, M.D., Charles Engh, M.D., Kenneth Gustke, M.D. and Anthony Hedley, M.D. Contemporary Orthop 23(3): 267, Sept 1991.
- *Preoperative Planning in Revision Total Knee Replacement*. Kenneth Gustke, M.D. Orthopedics 25(9): 975, Sept 2002.
- *Case Challenges in Knee Surgery: What would you do*? Robert Trousdale, M.D., Thomas Thornhill, M.D., Gerald Engh, M.D., Kenneth Gustke, M.D., Chitranjan Ranawat, M.D. and Leo Whiteside, M.D. Orthopedics 25(9): 987, Sept 2002.
- *Treatment of Large Acetabular Defects with Jumbo Cups: Point/Counterpoint.* Kenneth Gustke, M.D. Orthopedics 26(4): 379, April 2003.
- *MIS vs non-MIS THA: Initial Experience. Audio-Digest Orthopedics.* Volume 26, Issue 12, December 2003
- *Jumbo Cup or High Hip Center: Is Bigger Better?* Kenneth Gustke, M.D. J Arthroplasty 19(4, Suppl 1): 120, June 2004.
- *Cemented Tibial Stems are not required in Revision.* Kenneth Gustke, M.D. Orthopedics 27(9): 991, September 2004.
- *Jumbo Cups effective for Large Acetabular Defects.* Kenneth Gustke, M.D. Orthopedics Today 25(1): 11, January 2005.
- *Preoperative Planning for Revision Total Knee Arthroplasty: Avoiding Chaos.* Kenneth Gustke, M.D. J Arthroplasty 20 (4, Suppl 2): 37, June 2005.
- *Evolving Mini-Incision Approaches Useful in THA.* Kenneth Gustke, M.D. Orthopedics Today 26(4):20, April 2006.
- *What Would You Do? Challenges in Hip Surgery.* Robert Trousdale, M. D., John Callaghan, M.D., Kenneth Gustke, M.D., et.al. J Arthroplasty 22(4, Suppl 1):116, June 2007.
- *Minimally Invasive Total Knee Arthroplasty with a Subvastus Approach*. Kenneth Gustke, M.D. Operative Techniques in Orthopaedics 16(3):153, July 2006.
- *Computer Navigation of Minimally Invasive Total Knee Replacement.* Kenneth Gustke, M.D. Operative Techniques in Orthopaedics 16(3): 211, July 2006.
- *Standard Femoral Components may Cause TKR Problems for Women.* Kenneth Gustke, MD, Orthopedics Today-International 10(4):16, July/August 2007.
- *Total hip arthroplasty requiring subtrochanteric osteotomy for developmental hip dysplasia: 5- to 14-year results.* Thomas Bernasek, M.D., George Haidukewych, M.D., Kenneth Gustke, M.D., et.al. J Arthroplasty 22(6, Suppl):145, September 2007.
- *Limited Incision Muscle-Sparing Anterolateral Watson-Jones Approach for Total Hip Arthroplasty.* Kenneth Gustke, M.D. In Limited Incisions for Total Hip Arthroplasty, Ed. M.I. O'Connor. AAOS Monograph Series 36: 27, 2007.
- *The Natural-Knee System: 25 years of Successful Results.* Kenneth Gustke, M.D. Am J Orthop 39(6 Suppl):5, June 2010
- *Use of Short Stems for Total Hip Arthroplasty: Is it a Napoleonic Solution*? Kenneth Gustke, M.D. Seminars in Arthroplasty 23(3):159, September 2012.
- *Short Stems for Total Hip Arthroplasty*. Kenneth Gustke, M.D. J Bone Joint Surg [Br] 94-B(11):47, November 2012.
- *Use of Smart Trials for Soft-Tissue Balancing in Total Knee Replacement Surgery*. Kenneth Gustke, M.D. J Bone Joint Surg [Br] 94-B(11):147, November 2012.

Publications Accepted for Publication

- *Use of Jumbo Cups for Revision of Acetabulae with large Bony Defects.* Kenneth Gustke, M.D. and Michael Miranda, D.O. J Arthroplasty

Kenneth A. Gustke, M.D.

Publications as Textbook Chapters

- Hemi and Total Arthroplasty in the Treatment of Intracapsular Hip Fractures. Kenneth Gustke, M.D. American Academy of Orthopedic Surgeons Instructional Course Lectures, Volume XXXIII, Mosby Co, 1984.
- Unconstrained Revision Total Knee: Preoperative Planning and Intraoperative Techniques. Kenneth Gustke, M.D. Chapter for Textbook, "Surgery of the Knee" edited by Freddie Fu, M.D., Chris Harner, M.D. and Kelly Vince, M.D. Williams and Wilkins Medical Publishing, 1994.
- Surgical Nuances to Minimize Muscle Damage During the Direct Lateral Approach in Minimally Invasive Hip Replacement. Kenneth Gustke, M.D. American Academy of Orthopedic Surgeons Instructional Course Lectures, Volume 57, American Academy of Orthopedic Surgeons, 2008.

Publications as Internet Textbook Chapters

- Mini-Direct Lateral Approach for Total Hip Replacement. Kenneth Gustke, M.D. Chapter for Internet Textbook, "Interactive Educational Program (IEP) for Total Joint" edited by Michael A. Mont, M.D. Magnifi Group Inc. 2009.
- Minimally Invasive Muscle-Sparing Anterolateral Approach to the Hip. Kenneth Gustke, M.D. Chapter for Internet Textbook, "Interactive Educational Program (IEP) for Total Joint" edited by Michael A. Mont, M.D. Magnifi Group Inc. 2010.
- Total Knee Arthroplasty after Osteotomy about the Knee. Kenneth Gustke, MD. and Kurt Morrison, DO. Chapter for Internet Textbook, "Interactive Educational Program (IEP) for Total Joint" edited by Gil Scuderi, M.D. Magnifi Group Inc. 2011.

Other Publications

- Technical Monograph: The Intermedics APR Hip System: Revision Component Surgical Technique. Kenneth Gustke, M.D. and Lawrence Dorr, M.D.
- Technical Monograph: The APR Collared Revision Hip System: Surgical Technique. Kenneth Gustke, M.D. and Lawrence Dorr, M.D.
- Technical Monograph: The APR II Hip System: Surgical Technique. Lawrence Dorr, M.D. and Kenneth Gustke, M.D.
- Technical Monograph: The Non-Porous APR II Hip System: Surgical Technique. Kenneth Gustke, M.D. and Lawrence Dorr, M.D.
- Technical Monograph: Use of a Collar Spacer on the APR Collared Revision Stem: Surgical Technique. Kenneth Gustke, M.D.
- Technical Monograph: The Natural-Knee II System: Surgical Technique. Aaron Hofmann, M.D. and Kenneth Gustke, M.D.
- Technical Monograph: The Natural-Knee II Revision System: Surgical Technique. Kenneth Gustke, M.D. and Aaron Hofmann, M.D.
- Technical Monograph: Inter-Op Acetabular System: Surgical Technique. Lawrence Dorr, M.D., Kenneth Gustke, M.D., Aaron Hofmann, M.D. and Rodney Plaster, M.D.
- Technical Monograph: Natural-Knee II Revision/ Constrained Surgical Technique. Kenneth Gustke, M.D. and Aaron Hofmann M.D.
- Technical Monograph: Converge Acetabular System: Surgical Technique. Lawrence Dorr, M.D., Kenneth Gustke, M.D., Aaron Hofmann, M.D. and Rodney Plaster, M.D.
- Technical Monograph: Minimally Invasive Total Hip Arthroplasty Anterolateral Approach Surgical Technique. Kenneth Gustke, M.D. and Richard Jones, M.D.

Abstracts

- Concomitant Osteotomy with Primary Total Hip Replacement. Michael Ciepiela, M.D., Thomas Bernasek, M.D. and Kenneth Gustke, M.D. Journal of Arthroplasty, Vol. 9, No. 1, Feb. 1994.
- Total Hip Revision with a Proximally Fixed Cementless Modular Femoral Component. Thomas Bernasek, M.D. and Kenneth Gustke, M.D. Journal of Arthroplasty, Vol. 17, No. 2, Feb. 2002.
- Surgical Treatment for the Recurrently Dislocation Total Hip. Thomas Bernasek, M.D. and Kenneth Gustke, M.D. Journal of Arthroplasty, Vol. 17, No. 2, Feb. 2002.

Editorship

- Techniques in Orthopedics 4:2, Fractures of the Hip. June, 1989.
- Techniques in Orthopedics 4:4, Fractures of the Pelvis. December, 1989.
- Journal of Arthroplasy Editorial Board, 2007-present.

Kenneth A. Gustke, M.D.

Poster Exhibits

- A Comparison of Transgluteal to Transtrochanteric Approach for Revision Total Hip Replacement. Michael Sneddon, M.D. and Kenneth Gustke, M.D. American Academy of Orthopedic Surgeons Annual Meeting, New Orleans, Louisiana. Feb 1990
- Prediction of Post-Operative Infection in Revision Total Hip Surgery. Mark Frankle, M.D., Jeffrey Stickney, M.D., Kenneth Gustke, M.D. and David Sugar. American Academy of Orthopedic Surgeons Annual Meeting, New Orleans, Louisiana. Feb 1990.
- Ceramic Head Endoprosthetic Replacement for Avascular Necrosis of the Hip. Douglas Freels, M.D., Thomas Bernasek, M.D., Kenneth Gustke, M.D., and Mark Frankle, M.D. Academy of Orthopedic Surgeons Annual Meeting, Orlando, Florida. March 2000.
- Total Knee Replacement for Posttraumatic Degenerative Arthritis of the Knee. Robert Johansen, M.D., Thomas Bernasek, M.D., Kenneth Gustke, M.D., Anthony McPherron, D.O., Kuniaki Shimizu, M.D. Academy of Orthopedic Surgeons Annual Meeting, San Francisco, California. Feb 2001.
- Total Hip Revision with a Proximally Fixed Cementless Modular Femoral Component. Thomas Bernasek, M.D. and Kenneth Gustke, M.D. American Association of Hip and Knee Surgeons, Eleventh Annual Meeting, Dallas, Texas. Nov. 2001.
- Surgical Treatment for the Recurrently Dislocation Total Hip. Thomas Bernasek, M.D. and Kenneth Gustke, M.D. American Association of Hip and Knee Surgeons, Eleventh Annual Meeting, Dallas, Texas. Nov. 2001.
- Knee Arthrodesis with a Modular Intrmedullary Nail. Richard Valentin, M.D., Thomas Bernasek, M.D., Kenneth Gustke, M.D., and Elizabeth Rommel, B.A. Academy of Orthopedic Surgeons Annual Meeting, Washington, D.C. Feb. 2005.
- Revision Total Knee Arthroplasty with Metaphyseal Cementation and Diaphyseal Press-Fit Stems. Frederick Lee, M.D., Thomas Bernasek, M.D., George Haidukewych, M.D., Kenneth Gustke, M.D., and Elizabeth Rommel, B.A. Academy of Orthopedic Surgeons Annual Meeting, Washington, D.C. Feb. 2005.
- Use of Jumbo Cups for Revision of Acetabulae with Large Bony Defects. Kenneth Gustke, M.D. and Michael Miranda. D.O.. American Association of Hip and Knee Surgeons, Nineteenth Annual Meeting, Dallas, Texas. Nov. 2009.
- Fentanyl Femoral Nerve Sheath Infusion Causes Analgesia with Sustained Strength after Total Knee Replacement. Devanand Mangar, MD, Rachel A. Karlnoski, PhD, Katheryne Downes, MPH, Kenneth A. Gustke, MD, Thomas L. Bernasek, MD, Enrico M. Camporesi. American Association of Hip and Knee Surgeons, 20th Annual Meeting, Dallas, Texas. Nov. 2010.

Research Projects

- Multiclinic Trial of Press-fit Application of the Anatomic Proximal Replacement (APR) Universal Hip System with Calcitite Coating- F.D.A. Prospective Study. (I.O.I #0102) Sponsor- Intermedics Orthopedics, Inc., Austin, Texas. Initiated June 1987, completed Feb 1991.
- The Cementless Application of the Anatomic Porous Replacement (APR) Universal Hip System with Calcitite Coated Cancellous Structured Titanium- F.D.A. Prospective Study. (I.O.I. #0103) Sponsor- Intermedics Orthopedics, Inc., Austin, Texas. Initiated July 1989, completed Feb 1992.
- The Cementless Application of the Natural-Knee System with Calcitite Coated Cancellous Structured Titanium- F.D.A. Prospective Study. (I.O.I #0202) Sponsor- Intermedics Orthopedics, Inc., Austin, Texas. Initiated Nov 1989, completed Oct 1995.
- The Cementless Application of the Anatomic Porous Replacement (APR) Revision Hip System with Calcitite Coated Cancellous Structured Titanium- F.D.A. Prospective Study. (I.O.I # 0117) Sponsor- Intermedics Orthopedics, Inc., Austin, Texas. Initiated March 1991, completed Jan 1996.
- Evaluation of a Pyrolite Head-Hemiarthroplasty Implant for Intracapsular Hip Fractures- F.D.A. Prospective Study. Sponsor- Intermedics Orthopedics, Inc., Austin, Texas. Initiated Jan 1990, completed Jun 1994.
- Placebo Controlled Comparison of Naproxen Sodium and Ibuprofen for Minor Pain associated with Arthritis of the Hip or Knee- F.D.A. Prospective Study. (Protocol #NSS2402) Sponsor- Syntex Laboratories, Inc., Palo Alto, California. Initiated Aug 1994, completed Sept 1995.
- Metasul System when used with the APR Acetabular Shell and APR II-T Non-Porous Femoral Stem in Cemented Total Hip Arthroplasty- F.D.A. Prospective Study. (Protocol #0110) Sponsor- Sulzer Orthopedics, Inc., Austin, Texas. Initiated April 1996, completed Apr 2004.
- Metasul System when used with the APR Acetabular Shell and APR II-T Non-Porous Femoral Stem in Cementless Total Hip Arthroplasty- F.D.A. Prospective Study. (Protocol #0111) Sponsor- Sulzer Orthopedics, Inc., Austin, Texas. Initiated May 1997, completed Apr 2004.
- Postoperative Analgesia with Continuous Femoral Nerve Block after Total-Knee Arthroplasty: A Randomized, Double-Blind, PlaceboControlled Comparison of Ropivacaine with and without Fentanyl and Fentanyl alone. (USF Protocol #103761) Sponsor- Stryker Instruments, Kalamazoo, Michigan. Initiated Jan 2006, completed Aug 2007.
- Use of the OrthoSensor for Soft Tissue Balancing in Total Knee Replacement Surgery. Sponsor- OrthoSensor Inc. Initiated Nov 2011.

Kenneth A. Gustke, M.D.

Research Projects (cont.)

- Metasul Follow-up Extension Study Cemented or Cementless Metasul System when used with the APR Acetabular Shell and Natural Hip Porous Femoral Stem in Total Hip Arthroplasty- F.D.A. Prospective Study. (Protocol #05-200) Sponsor- Zimmer Orthopedics, Inc., Warsaw, Indiana. Initiated Aug 2006, completed Jan 2008.

Orthopedic Implant Designs

- Co-designer for APRTM Revision Femoral Total Hip Implant for Intermedics Orthopedics, Inc.
- Co-designer for APRTM Porous Femoral Total Hip Implant for Intermedics Orthopedics, Inc.
- Co-designer for APRTM Non-Porous Femoral Total Hip Implant for Intermedics Orthopedics, Inc.
- Designer of Collar Spacer System for APRTM Revision Femoral Total Hip Implant for Intermedics Orthopedics, Inc.
- Co-designer for Natural Knee IITM Total Knee System for Sulzer Orthopedics, Inc.
- Co-designer for Natural Knee IITM Revision Total Knee System for Sulzer Orthopedics, Inc.
- Co-designer for Inter-OpTM Total Hip Acetabular System for Sulzer Orthopedics, Inc.
- Co-designer for Natural Knee IITM Constrained Total Knee System for Sulzer Orthopedics, Inc.
- Co-designer for ConvergeTM Total Hip Acetabular System for Sulzer Orthopedics, Inc.
- Co-desiger for Natural Knee Cobalt-Chrome Modular Tibial Baseplate for Centerpulse Orthopedics, Inc.
- Co-designer for Fitmore MIS Hip Stem for Zimmer Orthopedics, Inc.
- Co-designer for Gender High Flex Natural Knee for Zimmer Orthopedics, Inc.

Patents

- Collared Hip Prosthesis with Revision Spacer. Patent No. 5,376,124. Granted Dec 27,1994.
- Angled Orthopedic Surfacer and Guide. Patent No. 5,643,271. Granted July 1, 1997.
- Winged Retractor Instrumentation for Total Hip Arthroplasty. Patent No.7172554. Granted Feb. 6, 2007.

Honors

- Named to Best Doctors in America, Southeastern United States, 1996.
- Named to Best Doctors in America, Southeastern United States, 1998.
- Named to Best Doctors in America, Southeastern United States, 2000.
- Named to Best Doctors in America, Southeastern United States, 2001.
- Named to Best Doctors in America, Southeastern United States, 2002.
- Named as one of America's Top Surgeons 2002-2003 by the Consumers' Research Council of America.
- Named to Best Doctors in America, 2003-2004.
- Name as one of America's Top Surgeons 2004-2005 by the Consumers' Research Council of America.
- Named to Best Doctors in America, 2005-2006.
- Named as one of America's Top Orthopedists 2007 by the Consumers' Research Council of America.
- Named to Best Doctors in America, 2007- 2008.
- Named as Top Doctor in America 2008 by American Registry
- Named to Best Doctors in America, 2009-2010.
- Named Patients' Choice Award 2009 by American Registry
- Named as Top Doctor in Tampa, Florida 2010 by the International Association of Orthopedic Surgeons
- Named as one of America's Top Orthopedists 2010 by Consumer' Research Council of America.
- Named Patient's Choice Award 2010 by American Registry
- Named to Best Doctors in America, 2010-2011
- Named as Top Doctor in Tampa, Florida 2011 by Best Doctors
- Named as one of America's Top Orthopedists 2011 by Consumer' Research Council of America.
- Named to Best Doctors in America, 2011-2012
- Named to Becker's 2011 Top 70 Outstanding Hip Surgeons
- Named to "Top 21 U.S. Hip Surgeons" by Orthopedics This Week
- Named to Best Doctors in America, 2013

Kenneth A. Gustke, M.D.

Presentations

- Primary Total Knee Replacement Live Surgery. May, 1993. Performed as Visiting Professor to the Traumatology and Orthopedic Service at the Complejo Hospitalario de Leon. Leon, Spain.
- Natural-KneeR System: Primary and Revision-Design Rationale and Six Year Experience. May, 1993. Presented as Visiting Professor to the Traumatology and Orthopedic Service at the Complejo Hospitalario de Leon. Leon, Spain.
- Natural-KneeR System: Primary and Revision-Design Rationale and Six Year Experience. May, 1993. Presented as Visiting Professor at the Complejo Hospitalario de Salamanca. Salamanca, Spain.
- Revision Total Knee Replacement- Unconstrained Prosthesis. July, 1993. Presented at the "Total Knee, Hip and Shoulder Arthroplasty Symposium." Hot Springs, Virginia.
- Anatomic Stems: Design Rational and Surgical Technique. October, 1993. Presented at the "Total Knee, Hip and Shoulder Arthroplasty Symposium." Pebble Beach, California.
- Revisions after Total Knee Replacement. October, 1993. Presented at the Universitat Munchen "International Symposium on Knee Prostheses." Munich, Germany.
- Primary Total Knee Replacement Live Surgery. October, 1993. Performed as Visiting Professor to the Saalfelder Thuringen-Klinik. Saalfeld, Germany.
- Primary Total Knee Replacement Live Surgery. October, 1993. Performed as Visiting Professor to the Passau Hospital. Passau, Germany.
- Six Year Experience with the Natural-KneeR. October, 1993. Presented as Visiting Professor to the Passau Hospital. Passau, Germany.
- Primary Total Knee Replacement Live Surgery. October, 1993. Performed as Visiting Professor to the Langensteinbach Hospital. Karlsbad, Germany.
- Six Year Experience with the Natural-KneeR. October, 1993. Presented as Visiting Professor to the Langensteinbach Hospital. Karlsbad, Germany.
- Primary Total Knee Replacement Live Surgery. October, 1993. Performed as Visiting Professor to the Lubeck Hospital. Lubeck, Germany.
- Primary Total Knee Replacement Live Surgery. October, 1993. Performed as Visiting Professor to the Dortmund Hospital. Dortmund, Germany.
- Proximal Deficiencies in Revision Hips. October, 1993. Presented at the "Total Knee, Hip and Shoulder Arthroplasty" "Total Knee, Hip and Shoulder Arthroplasty" Symposium. Pebble Beach, California.
- Revision Total Knee Replacement: Reestablishment of the Correct Joint Line. October, 1993. Presented at the "Current Techniques in Arthroplasty" Symposium. Marathon, Florida.
- Flexion/Extension Ligament Balancing in Revision Knee Arthroplasty. January, 1994. Presented at "The 11th Annual Arthritic Hip and Knee Symposium." Snowbird, Utah.
- Proximal Femoral Bone Loss Solutions in Revision Hip Arthroplasty. January, 1994. Presented at "The 11th Annual Arthritic Hip and Knee Symposium." Snowbird, Utah.
- Elbow Arthroplasty. January, 1994. Presented at the "Current Concepts of Shoulder and Elbow Surgery." St. Petersburg, Florida.
- Revision Total Knee Replacement with the Natural-KneeR System. March, 1994. Presented as Visiting Professor to the Orthopedic Service at the Robert Jones and Agnes Hunt Hospital. Oswestry, England.
- Primary Total Knee Replacement and Revision Total Knee Replacement Live Surgeries. March, 1994. Performed as Visiting Professor at the Edith Cavell Hospital. Peterborough, England.Live Surgery. March, 1994. Performed at Live Interactive "Natural-KneeR Symposium." Barcelona, Spain.
- Design Rationale and Clinical Experience: Revision Natural-KneeR. March, 1994. Presented at Live Interactive "Natural-KneeR Symposium." Barcelona, Spain.
- Anatomic Total Hip Stems: Design Rational. April, 1994. Presented at the "Total Knee, Hip and Shoulder Arthroplasty Symposium." Hilton Head, North Carolina.
- Six Year Experience with the Natural-KneeR System. April, 1994. Presented as Visiting Professor at the Orthopedic Clinic at Rechts der Isar Klinic. Munich, Germany.
- Primary Total Knee Replacement Live Surgery. April, 1994. Performed as Visiting Professor at the Orthopedic Clinic at Rechts der Isar Klinic. Munich, Germany.
- Design Rationale and Clinical Experience- Revision Natural-KneeR System. April, 1994. Presented at the "Natural Knee Symposium." Oslo, Norway.
- Primary Total Knee Replacement Live Surgery. April, 1994. Performed as Visiting Professor at the Orthopedic Clinic at Aalen Hospital. Aalen, Germany.
- Anatomic Total hip Stems: Design Rational and Clinical Experience. August, 1994. Presented at the "Total Knee, Hip and Shoulder Arthroplasty Symposium." Aspen, Colorado.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Cement vs. Cementless Total Hip Replacement: Making the Right Choice and Making each Work. October, 1994. Presented at the "Current Techniques in Arthroplasty" Symposium. Nevis, Caribbean West Indies.
- Achieving Stability in Revision Total Knee Replacement: Reestablishment of the Correct Joint Line and Choice of Constraint. October, 1994. Presented at the "Current Techniques in Arthroplasty" Symposium. Nevis, Caribbean West Indies.
- Revision Total Knee: Stabilization without Excessive Constraint. January, 1995. Presented at the "12th Annual Arthritic Hip, Knee and Shoulder Symposium." Snowbird, Utah.
- Primary Hip Arthroplasty: Anatomic Stems- Cemented and Cementless. January,1995. Presented at the "12th Annual Arthritic Hip, Knee and Shoulder Symposium." Snowbird, Utah.
- Revision Hip Arthroplasty: Should Bulk Allografts be Abandoned? January,1995. Presented at the "12th Annual Arthritic Hip, Knee and Shoulder Symposium." Snowbird, Utah.
- Primary Total Knee Replacement Live Surgery. March, 1995. Performed as Visiting Professor at the Hospital Comarcal de Mora D'Ebre, Tarragona, Spain.
- Primary Total Knee Replacement Live Surgery. March, 1995. Performed as Visiting Professor at the Hospital Virgen de las Nieves. Granada, Spain.
- Natural-KneeR Prosthesis: Clinical Experience and Results. March, 1995. Presented as Visiting Professor at the Hospital Virgen de las Nieves. Granada, Spain.
- Primary Total Knee Replacement Live Surgery. March, 1995. Performed as Visiting Professor at the Hospital de El Escorial. Madrid, Spain.
- Natural-KneeR Prosthesis: Clinical Experience and Results. March, 1995. Presented as Visiting Professor at the Hospital de El Escorial. Madrid, Spain.
- Total Knee Replacement with Patellar Resurfacing. March, 1995. Presented at the 3rd International Course of Reconstructive Knee Surgery. Madrid, Spain.
- Revision Total Knee Replacement: Soft Tissue Problems. April, 1995. Presented at the 3rd International Course of Reconstructive Knee Surgery. Madrid, Spain.
- Primary Total Knee Replacement Live Surgery. May, 1995. Performed as Visiting Professor at the Katharinen Hospital. Stuttgart, Germany.
- Primary Total Knee Replacement Live Surgeries. May, 1995. Performed at the "Total Knee Symposium" at the Orthopedic Clinic of Wiesbaden. Wiesbaden, Germany.
- The Natural-KneeR Replacement: Surgical Experience and Results. May, 1995. Presented at the "Total Knee Symposium" at the Orthopedic Clinic of Wiesbaden. Wiesbaden, Germany.
- Revision Total Knee Replacement with Minimal Constraint. May, 1995. Presented at the "International Symposium on the Natural-KneeR System". Montreux, Switzerland.
- Total Hip Replacement: Anatomic Stem- Design Rationale. June, 1995. Presented at the "Total Knee, Hip and Shoulder Arthroplasty" Symposium. Dana Point, California.
- Should Allografts be Abandoned in Total Hip Arthroplasty? July, 1995. Presented at the 2nd Annual Great Lakes Total Joint Symposium." Milwaukee, Wisconsin.
- Revision Total Knee Arthroplasty: Stability without Constraint. July, 1995. Presented at the 2nd Annual Great Lakes Total Joint Symposium." Milwaukee, Wisconsin.
- Primary Hip Arthroplasty: Anatomic Stems- Design Rationale. August, 1995. Presented at the "Total Hip, Knee and Shoulder Arthroplasty" Symposium. Pebble Beach, California.
- Total Hip Arthroplasty: Diagnosis, X-ray and Physical Exam. November, 1995. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Clearwater Beach, Florida.
- Total Knee Arthroplasty: Applied Anatomy, Surgical Approaches and Procedure. November, 1995. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Clearwater Beach, Florida.
- Total Knee Arthroplasty: Prosthetic Component Selection, Medical Considerations and Treatment Options. November, 1995. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Clearwater Beach, Florida.
- Total Elbow Arthroplasty: Indications, Diagnosis, X-ray, Applied Anatomy, Surgical Approach and Procedure. November, 1995. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Clearwater Beach, Florida.
- Stable Knee Revision without Constraint. January, 1996. Presented at the "14th Annual Arthritic Hip, Knee and Shoulder Symposium." Snowbird, Utah

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Primary Hip Arthroplasty: Cemented Anatomic Stem. January, 1996. Presented at the "14th Annual Arthritic Hip, Knee and Shoulder Symposium." Snowbird, Utah.
- Bulk Allograft Acetabulum- Abandon? January, 1996. Presented at the "14th Annual Arthritic Hip, Knee and Shoulder Symposium." Snowbird, Utah.
- Total Hip and Total Knee Surgical Procedures. February, 1996. Presented at the "FOI-TGH Florida Joint Center Symposium." Tampa, Florida.
- Total Hip and Total Knee Surgical Procedures. April, 1996. Presented at the "FOI-TGH Florida Joint Center Symposium." Sun City Center, Florida.
- 2 Primary Total Knee Replacement Live Surgeries. May, 1996. Performed at "Knee Symposium" at the Stiftklinik Augustinuz. Bad Windsheim, Germany.
- Nine Year Experience with the Natural-KneeR. May, 1996. Presented at "Knee Symposium" at the Stiftklinik Augustinuz. Bad Windsheim, Germany.
- Revision Total Knee Replacement: Design Rationale for the Natural-KneeR Revision System, Pre-operative Planning, Intraoperative Techniques, and Clinical Results. May, 1996. Presented at "Revision Knee Symposium" at the Clinique de Saint-Saulve. Valenciennes, France.
- Unconstrained Revision Total Knee Replacement: The Natural-KneeR Revision Experience. May, 1996. Presented at the "Allo-Pro Symposium on the Natural-KneeR System." Oslo, Norway.
- Total Hip Arthroplasty: Diagnosis, X-ray and Physical Exam. May, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Complex Hip Problems: Revision, Infections, Limb Length Discrepancy, Allograft, and Abductor Deficiency. May, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Total Knee Arthroplasty: Applied Anatomy, Surgical Approaches and Procedure. May, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Total Knee Arthroplasty: Prosthetic Components, Selection, and Medical Considerations. May, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Revision Total Knee Replacement: Use of Unconstrained Implants. May, 1996. Presented at the Florida Orthopaedic Society 1996 Annual Meeting. Palm Beach, Florida.
- Acetabular Revision: Should Bulk Allografts be Abandoned? May, 1996. Presented at the Florida Orthopaedic Society 1996 Annual Meeting. Palm Beach, Florida.
- Total Hip Replacement with Anatomic Stems: Design Rationale and Surgical Technique. May, 1996. Presented at the "Total Knee, Hip and Shoulder Arthroplasty" Symposium. Hamilton, Bermuda.
- Clinical Experience with Natural-KneeR Systems. June, 1996. Presented at the "Total Knee, Hip and Shoulder Arthroplasty" Symposium. Hamilton, Bermuda.
- Hip and Knee Surgery. June, 1996. Presented at the "TGH/FOI Florida Joint Center Arthritis Seminar." Tampa, Florida.
- Experience with the Natural-KneeR Revision Total Knee System. August, 1996. Presented at the "Total Knee, Hip and Shoulder Arthroplasty" Symposium. Pebble Beach, California.
- Total Hip Arthroplasty: Diagnosis, X-ray and Physical Exam. August, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Marco Island, Florida.
- Complex Hip Problems: Revision, Infections, Limb Length Discrepancy, Allograft, and Abductor Deficiency. August, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Marco Island, Florida.
- Total Knee Arthroplasty: Applied Anatomy, Surgical Approaches and Procedure. August, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Marco Island, Florida.
- Total Knee Arthroplasty: Prosthetic Components, Selection, and Medical Considerations. August, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Marco Island, Florida.
- Total Hip Arthroplasty: Diagnosis, X-ray and Physical Exam. November, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Complex Hip Problems: Revision, Infections, Limb Length Discrepancy, Allograft, and Abductor Deficiency. November, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Total Knee Arthroplasty: Applied Anatomy, Surgical Approaches and Procedure. November, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Total Knee Arthroplasty: Prosthetic Components, Selection, and Medical Considerations. November, 1996. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida

Kenneth A. Gustke, M.D.

Presentations (cont.)

- 2 Primary Total Knee Replacement and 1 Revision Total Knee Replacement Live Surgeries. November, 1996. Performed at the "Interactive Live Surgery Broadcast" Symposium. Tampa, Florida.
- Design Rationale of the Natural-KneeR II Primary Total Knee System and Clinical Results of the Natural-KneeR System. November, 1996. Presented at the "Interactive Live Surgery Broadcast" Symposium. Tampa, Florida.
- Revision Total Knee Replacement: Design Rationale and Clinical Results with the Natural-KneeR System. November, 1996. Presented at the "Interactive Live Surgery Broadcast" Symposium. Tampa, Florida.
- Revision Knee: Technique and Results. January, 1997. Presented at the "1997 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Revision Total Hip. January, 1997. Presented at the "1997 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Infected Total Hip Replacement. February, 1997. Presented at the "Orthopedic Symposium: Hip and Pelvis." Tampa, Florida.
- Total Hip Arthroplasty: Diagnosis, X-ray and Physical Exam. May, 1997. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Complex Hip Problems: Revision, Infections, Limb Length Discrepancy, Allograft, and Abductor Deficiency. May, 1997. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Total Knee Arthroplasty: Applied Anatomy, Surgical Approaches and Procedure. May, 1997. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Total Knee Arthroplasty: Prosthetic Components, Selection, and Medical Considerations. May, 1997. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Cement vs. Cementless Total Knee Replacement- Making the Right Choice and Making each Work. June, 1997. Presented at the "Current Techniques in Arthroplasty" Symposium. Nevis, Caribbean West Indies.
- Revision Total Hip Replacement- Options and Treatment with Acetabular Bone Loss. June, 1997. Presented at the "Current Techniques in Arthroplasty" Symposium. Nevis, Caribbean West Indies.
- Experience with Revision Knees. August, 1997. Presented at the "Total Knee, Hip and Shoulder Arthroplasty" Symposium. Pebble Beach, California.
- Total Hip Arthroplasty: Diagnosis, X-ray and Physical Exam. October, 1997. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Complex Hip Problems: Revision, Infections, Limb Length Discrepancy, Allograft, and Abductor Deficiency. October, 1997. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.\
- Total Knee Arthroplasty: Applied Anatomy, Surgical Approaches and Procedure. October, 1997. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Total Knee Arthroplasty: Prosthetic Components, Selection, and Medical Considerations. October, 1997. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Revision Total Knee Replacement: Soft Tissue Balancing Techniques. October, 1997. Presented as Visiting Professor at Allegheny General Hospital. Pittsburgh, Pennsylvania.
- Primary Total Hip Replacement and Revision Total Knee Replacement Live Surgeries. November, 1997. Performed at the "Total Joint Arthroplasy Primary and Revision Surgical Technique: An Interactive Video Symposium." Tampa, Florida.
- Revision Total Knee Replacement with Minimal Constraint. November, 1997. Presented at the "Total Joint Arthroplasy Primary and Revision Surgical Technique: An Interactive Video Symposium." Tampa, Florida.
- Primary and Revision Knee Replacement Live Surgeries. November, 1997. Performed at the "Knee Replacement Symposium" at the Langensteinbach Hospital. Karlsbad, Germany.
- Experience with the Primary Natural-KneeR System. November, 1997. Presented at the "Knee Replacement Symposium" at the Langensteinbach Hospital. Karlsbad, Germany.
- Design Rationale and Experience with the Revision Natural-KneeR System. November, 1997. Presented at the Langensteinbach Hospital. Karlsbad, Germany.
- Design Rationale for the Natural-KneeR Revision System. November, 1997. Presented at the SOFCOT Meeting. Paris, France.
- Experience with the Revision Natural-KneeR I and II Systems. November, 1997. Presented at the SOFCOT Meeting. Paris, France.
- Unconstrained Total Knee Revision. February, 1998. Presented at the "1998 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Revision Total Hip Arthroplasty with Long Stems. February, 1998. Presented at the "1998 Hip, Knee and Shoulder Symposium." Park City, Utah.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- 2 Primary Total Knee Replacement and 1 Revision Total Knee Replacement Live Surgeries. November, 1996. Performed at the "Interactive Live Surgery Broadcast" Symposium. Tampa, Florida.
- Cementless Fixation with CsTiR Titanium Porous Coating in Knee Replacement Surgery. April, 1998. Presented at the "International Comparison of Experiences and Knowledge of Hydroxyapatite." Rome, Italy.
- Total Knee Replacement Live Surgery Demonstration. April, 1998. Presented at Catania Hospital. Catania, Sicily, Italy.
- The Primary Natural-KneeR: Design Rational and Clinical Experience. April, 1998. Presented at "Modern Acquisition in Surgery: Knee and Hip" symposium. Catania, Sicily, Italy.
- Revision Total Knee Replacement: Obtaining Stability with Minimal Constraint. April, 1998. Presented at "Modern Acquisition in Surgery: Knee and Hip" symposium. Catania, Sicily, Italy.
- Experience with Natural KneeR Replacement Surgery. April, 1998. Presented as Visiting Professor to the University of Catanzaro Orthopedic Clinic. Catanzaro, Italy.
- Total Knee Replacement Live Surgery. April, 1998. Presented as Visiting Professor to the University of Catanzaro Orthopedic Clinic. Catanzaro, Italy.
- Natural KneeR II Primary: Design Rational and Experience. April, 1998. Presented at the "Natural KneeR II Symposium" at the Orthopedic University Clinic. Magdeburg, Germany.
- Natural KneeR Revision: Importance of Preoperative Planning and Experience. April, 1998. Presented at the "Natural KneeR II Symposium" at the Orthopedic University Clinic. Magdeburg, Germany.
- Primary and Revision Knee Replacement Live Surgeries. April, 1998. Performed at the "Natural KneeR II Symposium" at the Orthopedic University Clinic. Magdeburg, Germany
  Revision Total Knee Replacement: Choice of Constraint and Methods to Obtain Stability. June, 1998. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Revision Total Hip Replacement: Options and Treatment with Acetabular Bone Loss. June, 1998. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Subvastus Approach for Total Knee Arthroplasty: Video. July, 1998. Presented at the "State of the Art in Total Knee Arthroplasty." Alice Springs, Australia.
- How I do a Total Knee Arthroplasty: Video Techniques. July, 1998. Presented at the "State of the Art in Total Knee Arthroplasty." Alice Springs, Australia.
- Techniques and Results of Compression Osteotomy. July, 1998. Presented at the "State of the Art in Total Knee Arthroplasty." Alice Springs, Australia.
- Aspects and Aspirations of Revision Knee Arthroplasty. July, 1998.Presented at "Knee Symposium." Sydney, Australia.
- Aspects and Aspirations of Revision Knee Arthroplasty. July, 1998. Presented at "Knee Symposium." Melbourne, Australia.
- Acetabular Reconstruction in Revision Total Hip Arthroplasty. July, 1998. Presented at the "Total Knee, Hip and Shoulder Arthroplasty" Symposium. Pebble Beach, California.
- Total Hip Arthroplasty: Diagnosis, X-ray and Physical Exam. October, 1998. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Complex Hip Problems: Revision, Infections, Limb Length Discrepancy, Allograft, and Abductor Deficiency. October, 1998. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Total Knee Arthroplasty: Applied Anatomy, Surgical Approaches and Procedure. October, 1998. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Total Knee Arthroplasty: Prosthetic Components, Selection, and Medical Considerations. October, 1998. Presented at the "Total Joint Replacement and Rehabilitation" Seminar. Orlando, Florida.
- Revision Total Knee Replacement and Revision Total Hip Replacement Live Surgeries. November, 1998. Performed at the "Interactive Live Surgery Broadcast" Symposium. Tampa, Florida.
- Revision Total Knee Replacement: Soft Tissue Balancing. November, 1998. Presented at the "Interactive Live Surgery Broadcast" Symposium. Tampa, Florida.
- Revision Total Knee Replacement Live Surgery. March, 1999. Presented at the "1999 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Constrained versus Unconstrained Total Knee Revision. March, 1999. Presented at the "1999 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Primary Cementless Total Hip Replacement Surgical Technique. March, 1999. Presented at the "1999 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Revision Total Knee Replacement with Minimally Constrained Implants. March, 1999. Presented at "Knee Symposium". Lille, France.

Presentations (cont.)

- Total Knee Replacement Live Surgery Demonstration. March, 1999. Presented at the University Hospital St. Gallen. St. Gallen, Switzerland.
- Soft Tissue Balancing in Revision Total Knee Replacement. March, 1999. Presented at "International Hip and Knee Revision Symposium." Basel, Switzerland.
- Patellar Subluxation/Luxation. March, 1999. Presented at "International Hip and Knee Revision Symposium." Basel, Switzerland.
- Revision Total Knee Replacement with Minimally Constrained Implants. March, 1999. Presented at "Knee Symposium". St. Gallen, Switzerland
- Acetabular Reconstruction in Revision Total Hip Replacement. April, 1999. Presented at "Total Knee, Hip and Shoulder Arthroplasty Workshop/Seminar." Pinehurst, North Carolina.
- Natural-Knee II Revision System- Design Rationale. May, 1999. Presented at "International Natural-Knee Meeting." Boston, Massachusetts.
- Instability in Revision Total Knee Replacement- Diagnosis and Treatment. May, 1999. Presented at "International Natural-Knee Meeting." Boston, Massachusetts.
- Treatment of the Infected Total Knee. May, 1999. Presented at "International Natural-Knee Meeting." Boston, Massachusetts.
- Cement versus Cementless Total Knee Replacement- Making the Right Choice and Making it Work. June, 1999. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Revision Total Knee Replacement- Component Constraint and Methods to Obtain Stability. June, 1999. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Arthritis of the Knee. August, 1999. Presented at the "Comprehensive Orthopaedic Seminar." St. Petersburg Beach, Florida.
- Soft Tissue Balancing in Revision Total Knee Replacement- Minimizing Implant Constraint. September, 1999. Presented at "10th Annual Interlaken Meeting." Interlaken, Switzerland.
- The Primary Natural Knee II Design Rationale and Clinical Experience. November, 1999. Presented at the SIOT Meeting. Rome, Italy.
- Soft Tissue Balancing. November, 1999. Presented at the SIOT Meeting. Rome, Italy.
- Total Knee Replacement Live Surgery Demonstration. November, 1999. Presented at the Grosseto Hospital. Grosseto, Italy.
- The Primary Natural Knee II Design Rationale and Clinical Experience. November, 1999. Presented at the Grosseto Hospital. Grosseto, Italy.
- Soft Tissue Balancing. November, 1999. Presented at the Grosseto Hospital. Grosseto, Italy.
- Total Knee Replacement Live Surgery Demonstration. November, 1999. Presented at the Livorno Hospital. Pisa, Italy.
- Primary Metasul Total Hip Replacement. February, 2000. Presented at "Total Joint Arthroplasty, Revision Surgical Technique." Tampa, Florida
- Soft Tissue Balancing in Revision Total Knee Replacement. February, 2000. Presented at "Total Joint Arthroplasty, Revision Surgical Technique." Tampa, Florida.
- Revision Total Knee Replacement Live Surgery. February, 2000. Presented at "Total Joint Arthroplasty, Revision Surgical Technique." Tampa, Florida.
- Revision Total Knee Replacement Live Surgery. March, 2000. Presented at the "Total Joint Arthroplasty: An Interactive Live Surgery Broadcast and Symposium." Kissimmee, Florida.
- Revision Total Knee Replacement Live Surgery. March, 2000. Presented at the "2000 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Revision with Unconstrained Total Knee Arthroplasty. March, 2000. Presented at the "2000 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Primary Total Hip: Cement vs. Cementless Stems. March, 2000. Presented at the "2000 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Revision Total Hip: Acetabular Defects treated with Jumbo Cup and Protrusio Shells. April, 2000. Presented at the "2000 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Revision Total Knee Replacement- Component Constraint and Methods to Obtain Stability. June, 2000. Presented at the "Current Techniques in Arthroplasty" Course. Key Largo, Florida.
- What do you do when a Patient has Osteolysis and no Symptoms? July, 2000. Presented at the "Total Knee, Hip and Shoulder Arthroplasty Seminar." Carsbad, California.
- Avoiding Instability in Revision Total Knee Arthroplasty. July, 2000. Presented at the "Total Knee, Hip and Shoulder Arthroplasty Seminar." Carsbad, California.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Using Unconstrained Implants for Revision Total Knee Replacement. September, 2000. Presented at the ESSKA Meeting. London, England.
- Design Rationale for the Natural Knee II Revision. September, 2000. Presented at the ESSKA Meeting. London, England.
- Clinical Results with the Natural Knee II Revision System. September, 2000. Presented at the ESSKA Meeting. London, England.
- Total Knee Replacement Live Surgery Demonstration. Presented at the Hospital Virgen de la Salud. Toledo, Spain.
- Primary Natural Knee II Design Rationale and Clinical Results. September, 2000. Presented at the Hospital Virgen de la Salud. Toledo, Spain.
- Total Knee Replacement Live Surgery Demonstration. Presented at the Hospital Universitario Dr. Peset. Valencia, Spain.
- Knee II Design Rationale and Clinical Results. September, 2000. Presented at the Hospital Universitario Dr. Peset. Valencia, Spain
- Treatment for Osteolysis of the Hip. October, 2000. Presented at the "World Tribology Forum." Boston, Massachusetts.
- APR/Metasul IDE Results. October, 2000. Presented at the "World Tribology Forum." Boston, Massachusetts.
- Allografts for Revision Hip Arthroplasy. December, 2000. Presented at the " Excellence in Revision: Contemporary Treatment of Revision Hip Arthroplasy" Course. New York, New York.
- Stem Designs in Revision Total Hip Arthroplasty. December, 2000. Presented at the " Excellence in Revision: Contemporary Treatment of Revision Hip Arthroplasy" Course. New York, New York.
- Soft Tissue Balancing in Revision Total Knee Arthroplasty. February, 2001. Presented at the "Total Joint Arthroplasty: A Interactive Live Surgery Broadcast Symposium." San Francisco, California.
- Revision with Unconstrained TKA. March, 2001. Presented at the "2001 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Anatomic Cemented Stems. March, 2001. Presented at the "2001 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Acetabular Defects with Jumbo Cup/ Protrusio Shells. March, 2001. Presented at the "2001 Hip, Knee and Shoulder Symposium." Park City, Utah.
- Revision Total Hip Revision Live Surgery Demonstration. April, 2001. Presented at "The Masters Series Course: Techniques in Arthritis Surgery." Pasadena, California.
- Management of Bone Defects in Primary and Revision Total Knee. June 2001. Presented at the "Current Techniques in Arthroplasty" Course. Key Largo, Florida.
- Revision TKR- Balancing the Knee without Bony Landmarks. June 2001. Presented at the "Current Techniques in Arthroplasty" Course. Key Largo, Florida.
- Treatment of the Asymptomatic Hip with Osteolysis. July 2001. Presented at the "Wear Problems in Joint Replacement" Course. Asheville, North Carolina.
- Revision TKA: Planning, Planning, Planning. August 2001. Presented at the "Total Knee, Hip and Shoulder Arthroplasty Seminar." Beaver Creek, Colorado.
- Revision Total Knee: Design and Surgical Technique Video Presentation. November, 2001. Presented at the Excellence in Total Joint Replacement Outcomes: Focus on Design and Technique" Course. Newport Beach, California.
- Total Hip Revision Case Study Presentations. November, 2001. Presented at the Excellence in Total Joint Replacement Outcomes: Focus on Design and Technique" Course. Newport Beach, California.
- Cages are the Preferred Treatment for Large Acetabular Defects- In Opposition. December, 2001. Presented at the "Current Concepts in Joint Replacement" Course. Orlando, Florida.
- Pre-Operative Planning for Revision TKA: Avoiding Chaos. December, 2001. Presented at the "Current Concepts in Joint Replacement" Course. Orlando, Florida.
- Primary Total Knee Replacement Live Surgery Demonstration. January 2002. Presented at the Einsiedeln Inspital. Einsiedeln, Switzerland.
- Management of Bone Defects in Revision Total Knee Replacement. January 2002. Presented at the Portuguese Knee Society Annual Symposium. Vidago, Portugal.
- The Natural Knee Primary System. January 2002. Presented at the Portuguese Knee Society Annual Symposium. Vidago, Portugal.
- Revision Total Knee Replacement: Pre-Operative Planning. January 2002. Presented at the Portuguese Knee Society Annual Symposium. Vidago, Portugal.
- Revision Total Knee Replacement: Pre-Operative Planning. February 2002. Presented at "Instructional Course Lecture: Revision Total Knee Replacement" at the AAOS Annual Meeting. Dallas, Texas.
- Revision Total Knee Replacement: Joint Line and Soft Tissue Balancing. February 2002. Presented at "Instructional Course Lecture: Revision Total Knee Replacement" at the AAOS Annual Meeting. Dallas, Texas.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Pre-operative Planning in Revision TKR. March 2002. Presented at "The 2002 Hip, Knee, and Shoulder Symposium: New Opportunities and New Challenges" Course. Salt Lake City, Utah.
- Revision TKR- Component Constraint and Methods to Obtain Stability. March 2002. Presented at "The 2002 Hip, Knee, and Shoulder Symposium: New Opportunities and New Challenges" Course. Salt Lake City, Utah.
- Cementless Anatomic Stem: Long-term Results. March 2002. Presented at "The 2002 Hip, Knee, and Shoulder Symposium: New Opportunities and New Challenges" Course. Salt Lake City, Utah
- The Primary Natural Knee: Design Rationale and Clinical Experience. March, 2002. Presented at the "Endoprosetheses Tribiological Solutions for the New Century" Course. Riviera Maya, Mexico.
- Revision Total Knee Replacement: Balancing the Knee without Bony Landmarks. March, 2002. Presented at the "Endoprosetheses Tribiological Solutions for the New Century" Course. Riviera Maya, Mexico.
- Revision Acetabulum for Large Defects/ Avoiding Cages. May 2002. Presented at the "Coastal Bend Hip and Knee Symposium" Course. Port Aransas, Texas.
- Revision TKA- Balancing the Knee with Minimal Constraint. May 2002. Presented at the "Coastal Bend Hip and Knee Symposium" Course. Port Aransas, Texas.
- Cages are the Preferred Treatment for Large Acetabular Defects- In Opposition. May, 2002. Presented at the "Current Concepts in Joint Replacement" Course. Las Vegas, Nevada.
- Pre-Operative Planning for Revision TKA: Avoiding Chaos. May, 2002. Presented at the "Current Concepts in Joint Replacement" Course. Las Vegas, Nevada.
- Revision Total Knee Replacement: Balancing the Knee. June 2002. Presented at the "Hip, Knee and Shoulder Arthroplasty Symposium." Pinehurst, North Carolina.
- Acetabular Revision with Jumbo Cups. June 2002. Presented at the "Hip, Knee and Shoulder Arthroplasty Symposium." Pinehurst, North Carolina.
- Two Stage Treatment of Infected Total Knee Replacement: The Advantage of an Implant Spacer. June 2002. Presented at the "Hip, Knee and Shoulder Arthroplasty Symposium." Pinehurst, North Carolina.
- Balancing the Knee without Bony Landmarks. June, 2002. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Options and Treatment of Severe Acetabular Bone Loss. June, 2002. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Pre-Operative Planning in Revision TKR: Implant Selection and How to Restore the Joint Line. August, 2002. Presented at the "Natural Knee Meeting." San Diego, California.
- Intra-operative Techniques in Revision TKR: Obtaining Stability with Minimal Constraint. August, 2002. Presented at the "Natural Knee Meeting." San Diego, California.
- Management of Bone Defects in Revision Knee Replacement. August, 2002. Presented at the "Natural Knee Meeting." San Diego, California.
- DurasulTM for the Knee. October, 2002. Presented at the "Advances in Hip & Knee Arthroplasty: A New Era of Minimally Invasive Techniques?" Course. Boston, Massachusetts.
- Constrained Implants in Rev TKR. October, 2002. Presented at the "Advances in Hip & Knee Arthroplasty: A New Era of Minimally Invasive Techniques?" Course. Boston, Massachusetts.
- Two Stage Reconstructions for Infected TKR: Use of Temporary Spacers. October, 2002. Presented at the "Advances in Hip & Knee Arthroplasty: A New Era of Minimally Invasive Techniques?" Course. Boston, Massachusetts.
- Revision Total Knee Replacement: Pre-Operative Planning. February 2003. Presented at "Instructional Course Lecture: Revision Total Knee Replacement" at the AAOS Annual Meeting. New Orleans, Louisiana.
- Revision Total Knee Replacement: Joint Line and Soft Tissue Balancing. February 2003. Presented at "Instructional Course Lecture: Revision Total Knee Replacement" at the AAOS Annual Meeting. New Orleans, Louisiana.
- Primary Total Knee Replacement Live Surgery Demonstration. February, 2003. Performed at OLV Ter Linden Hospital, Knokke, Belgium.
- Primary Total Knee Replacement Live Surgery Demonstration. February, 2003. Roeselare, Belgium.
- The Natural Knee II System Overview. February, 2003. Presented at "The Natural-Knee Family: A Solution for Every Knee" Symposium. Ghent, Belgium.
- The Natural Knee II Primary Knee Results. February, 2003. Presented at "The Natural-Knee Family: A Solution for Every Knee" Symposium. Ghent, Belgium.
- Soft Tissue Balancing in Revision Total Knee Surgery. February, 2003. Presented at "The Natural-Knee Family: A Solution for Every Knee" Symposium. Ghent, Belgium.
- Treatment of the Infected Total Knee Prosthesis. February, 2003. Presented at "The Natural-Knee Family: A Solution for Every Knee" Symposium. Ghent, Belgium.

Presentations (cont.)

- Primary Total Knee Replacement Live Surgery Demonstration. February, 2003. Performed at Stedelijk Ziekenhuis Hospital, Aalst, Belgium.
- Primary Total Knee Replacement Live Surgery Demonstration. February, 2003. Brussels, Belgium.
- Primary Total Knee Replacement Live Surgery Demonstration. February, 2003. Performed at Princesse Marie-Astrid Hospital, Luxemburg City, Luxemburg.
- Pre-op Planning of the Revision Knee. March, 2003. Presented at the "2003 Hip, Knee, and Shoulder Symposium". Park City, Utah.
- Unconstrained Revision. March, 2003. Presented at the "2003 Hip, Knee, and Shoulder Symposium". Park City, Utah.
- Cementless Anatomic Stems- Long Term Results. March, 2003. Presented at the "2003 Hip, Knee, and Shoulder Symposium". Park City, Utah.
- Pro MIS THR Debate. April, 2003. Presented at the "10th Annual Masters Series: Techniques in Arthritis Surgery". Pasadena, California.
- Revision Total Knee Replacement: Balancing the Knee without Bony Landmarks. May 2003. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Revision Total Hip Replacement: Acetabular Reconstruction for Large Defects. May 2003. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Cemented vs. Cementless Total Knee Arthroplasty. May 2003. Presented at the "2nd Coastal Bend Hip and Knee Symposium." Corpus Christi, Texas.
- Acetabular Revisions. May 2003. Presented at the "2nd Coastal Bend Hip and Knee Symposium." Corpus Christi, Texas.
- Managing Knee with Minimal Constraint. May 2003. Presented at the "2nd Coastal Bend Hip and Knee Symposium." Corpus Christi, Texas.
- Return of the All-Poly Tibia: In the Affirmative Debate. May 2003. Presented at the "Current Concepts in Joint Replacement" Course. Las Vegas, Nevada.
- Pre-Operative Planning: Avoiding Chaos. May, 2003. Presented at the "Current Concepts in Joint Replacement" Course. Las Vegas, Nevada.
- Highly Cross-Linked Polymers in Total Knee Replacement: A Bridge too Far: Some Cons Debate. May, 2003. Presented at the "Current Concepts in Joint Replacement" Course. Las Vegas, Nevada.
- Jumbo Cup or High Hip Center: Is Bigger Better? May, 2003. Presented at the "Current Concepts in Joint Replacement" Course. Las Vegas, Nevada.
- MIS Total Hip Replacement Panel Discussion. June, 2003. Presented at the "13th Annual Knee, Hip and Shoulder Arthroplasty Seminar." San Diego, California.
- Jumbo Cups for Large Acetabular Defects. June, 2003. Presented at the "13th Annual Knee, Hip and Shoulder Arthroplasty Seminar." San Diego, California.
- Anterior Lateral Approach for MIS THA. June, 2003. Presented at the "13th Annual Knee, Hip and Shoulder Arthroplasty Seminar." San Diego, California.
- Review of the State of the Art in THA, Bearing Surfaces, and Revision THA Panel Discussion. June, 2003. Presented at the "13th Annual Knee, Hip and Shoulder Arthroplasty Seminar." San Diego, California.
- Planning for Revision Total Knee Replacement. June, 2003. Presented at the "13th Annual Knee, Hip and Shoulder Arthroplasty Seminar." San Diego, California.
- Revision Total Knee Replacement Panel Discussion. June, 2003. Presented at the "13th Annual Knee, Hip and Shoulder Arthroplasty Seminar." San Diego, California.
- Modular Hip Replacement. July, 2003. Presented at the Dorr/Gustke/Hofmann Fellows Meeting. Half Moon Bay, California.
- Anterior Lateral Minimally Invasive Surgery Total Hip Approach. July, 2003. Presented at the Dorr/Gustke/Hofmann Fellows Meeting. Half Moon Bay, California.
- Minimally Invasive Surgery vs. Non-Minimally Invasive Surgery Total Hip Arthroplasty. September, 2003. Presented at the Harvard Medical School "Advances in Arthroplasty: New Technologies, New Techniques" symposium. Cambridge, Massachusetts.
- Should we Eliminate All-Polyethylene Tibial Components? September, 2003. Presented at the Harvard Medical School "Advances in Arthroplasty: New Technologies, New Techniques" symposium. Cambridge, Massachusetts.
- Primary Total Knee Replacement Live Surgery Demonstration. September, 2003. Performed at the Hospital Cruz Roja, Madrid, Spain.
- Primary Total Knee Replacement Live Surgery Demonstration. September, 2003. Performed at the Hospital Clinica Cemtro, Madrid, Spain.

Presentations (cont.)

- The Primary Natural Knee: Design Rationale and Clinical Experience. September, 2003. Presented at the "Natural-Knee United Kingdom Programme." Birmingham, England.
- Cement vs Cementless in Total Knee Replacement. September, 2003. Presented at the "Natural-Knee United Kingdom Programme." Birmingham, England.
- Treatment of the Infected Knee. September, 2003. Presented at the "Natural-Knee United Kingdom Programme." Birmingham, England.
- Revision Total Knee Replacement: Balancing the Knee without Bony Landmarks. September, 2003. Presented at the "Natural-Knee United Kingdom Programme." Birmingham, England.
- The Primary Natural Knee: Design Rationale and Clinical Experience. September, 2003. Presented at the "Natural-Knee II Meeting." Berlin, Germany.
- Clinical Experience with Highly Crosslinked Polyethylene Durasul. September, 2003. Presented at the "Natural-Knee II Meeting." Berlin, Germany.
- Treatment of Infected Total Knee. September, 2003. Presented at the "Natural-Knee II Meeting." Berlin, Germany.
- Management of Bone Defects in Primary and Revision Total Knee. September, 2003. Presented at the "Natural-Knee II Meeting." Berlin, Germany.
- Revision Total Knee Replacement: Balancing the Knee without Bony Landmarks. September, 2003. Presented at the "Natural-Knee II Meeting." Berlin, Germany.
- Recurring Dislocations are Best Treated with Constrained Socket: In Opposition debate. December, 2003. Presented at the "Current Concepts in Joint Replacement" Course. Orlando, Florida.
- Cemented Tibial Stems are Requisite in Revision Total Knee Replacement: In Opposition debate. December, 2003. Presented at the "Current Concepts in Joint Replacement" Course. Orlando, Florida.
- Preoperative Planning in Revision Total Knee Replacement: Where do you want to go? December, 2003. Presented at the "Current Concepts in Joint Replacement" Course. Orlando, Florida.
- Jumbo Cups for Large Acetabular Defects. January, 2004. Presented at the "State of the Art: Total Hip and Total Knee Replacement: Controversies and Solutions." Vail, Colorado.
- Initial Experience with Minimally Invasive Hip Surgery. January, 2004. Presented at the "State of the Art: Total Hip and Total Knee Replacement: Controversies and Solutions." Vail, Colorado.
- Constrained Cups are not always the Answer. January, 2004. Presented at the "State of the Art: Total Hip and Total Knee Replacement: Controversies and Solutions." Vail, Colorado.
- Cementless vs Cemented Total Knee Replacement. January, 2004. Presented at the "State of the Art: Total Hip and Total Knee Replacement: Controversies and Solutions." Vail, Colorado.
- Two Stage Treatment of Infected Total Knee Replacement: Mobile Implant Spacers make a Difference. January, 2004. Presented at the "State of the Art: Total Hip and Total Knee Replacement: Controversies and Solutions." Vail, Colorado.
- Minimally Invasive Total Knee Replacement Live Surgery Demonstration. February, 2004. Presented at "The 20th Annual Hip, Knee and Shoulder Symposium." Park City, Utah.
- Preoperative Planning in Revision Total Knee Replacement. February, 2004. Presented at "The 20th Annual Hip, Knee and Shoulder Symposium." Park City, Utah.
- Jumbo Cups for Large Acetabular Defects. February, 2004. Presented at "The 20th Annual Hip, Knee and Shoulder Symposium." Park City, Utah.
- Revision Total Knee Replacement: Pre-Operative Planning. March, 2004. Presented at "Instructional Course Lecture: Revision Total Knee Replacement" at the AAOS Annual Meeting. San Francisco, California.
- Revision Total Knee Replacement: Joint Line and Soft Tissue Balancing. March, 2004. Presented at "Instructional Course Lecture: Revision Total Knee Replacement" at the AAOS Annual Meeting. San Francisco, California.
- Use of Jumbo Cups for Revision of Acetabulum with Large Bony Defects. March, 2004. Presented at the AAOS Annual Meeting. San Francisco, California.
- Revision Total Knee Arthroplasty: Is Increased Constraint Necessary. April, 2004. Presented at "Emerging Techniques and Technologies in Hip and Knee Arthroplasty" symposium. Atlanta, Georgia.
- Anterolateral Minimally Invasive Total Hip Surgical Approach. April, 2004. Presented at "Emerging Techniques and Technologies in Hip and Knee Arthroplasty" symposium. Atlanta, Georgia.
- Management of Bone Defects in Primary and Revision Total Knee Replacement. April, 2004. Presented at the "Tips and Tricks from Primary to Revision Knee Endoprosthetics" symposium. Basel, Switzerland.
- Preoperative Planning in Revision Total Knee Replacement. April, 2004. Presented at the "Tips and Tricks from Primary to Revision Knee Endoprosthetics" symposium. Basel, Switzerland.
- Revision Total Knee Replacement: Balancing the Knee without Bony Defects. April, 2004. Presented at the "Tips and Tricks from Primary to Revision Knee Endoprosthetics" symposium. Basel, Switzerland.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Pre-operative Planning: Avoiding Chaos. May, 2004. Presented at "Current Concepts in Joint Replacement" course. Las Vegas, Nevada.
- Jumbo Cups: Preferred Choice for Acetabular Bone Loss- In Affirmative. May, 2004. Presented at "Current Concepts in Joint Replacement" course. Las Vegas, Nevada.
- Minimally Invasive Hip Surgery Live Demonstration. June, 2004. Performed at Cemac Hospital, Havana, Cuba.
- Minimally Invasive Surgery: What, Why and What For? June, 2004. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Revision for Acetabular Bone Loss- Use of High Hip Center and Jumbo Cups. June, 2004. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Balancing the Knee without Bony Landmarks. June, 2004. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Minimally Invasive Total Knee Replacement. June, 2004. Presented at the "Current Techniques in Arthroplasty" Symposium. Key Largo, Florida.
- Video Technique: Anterolateral Minimally Invasive Total Hip Replacement. August, 2004. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Revision of the Recurrent Dislocating Hip. August, 2004. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Balancing and Constraint in Revision Total Knee Arthroplasty. August, 2004. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Management of Infected Total Knee Arthroplasty with Articular Spacers. August, 2004. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Minimally Invasive Total Knee Replacement. September, 2004. Presented at the Swiss General Orthopedic Kongress. Montreux, Switzerland.
- Minimally Invasive Total Knee Replacement: Results with Comparison to Matched set of Non-minimally Invasive Total Knee Replacement. September, 2004. Presented at the Swiss General Orthopedic Kongress. Montreux, Switzerland.
- Minimally Invasive Total Hip Replacement: What, Why and What for? October, 2004. Presented at "The Zimmer Institute Orthopaedic Update 2004: Shoulder, Elbow, Hip, and Knee." Boca Raton, Florida.
- Anterolateral Minimally Invasive Total Hip Replacement: Video Presentation. October, 2004. Presented at "The Zimmer Institute Orthopaedic Update 2004: Shoulder, Elbow, Hip, and Knee." Boca Raton, Florida.
- Initial Experience with Minimally Invasive Subvastus Total Knee Procedure. October, 2004. Presented at "The Zimmer Institute Orthopaedic Update 2004: Shoulder, Elbow, Hip, and Knee." Boca Raton, Florida.
- Minimally Invasive Total Knee Replacement: Against "Quad Sparing." October, 2004. Presented at "The Zimmer Institute Orthopaedic Update 2004: Shoulder, Elbow, Hip, and Knee." Boca Raton, Florida.
- Mini Anterior Total Hip Clinical Results. October, 2004. Presented at "The Zimmer Institute Orthopaedic Update 2004: Shoulder, Elbow, Hip, and Knee." Boca Raton, Florida.
- Use of Jumbo Cups: A Treatment of Choice. December, 2004. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Is Increasing Implant Constraint Really Necessary in Revision? December, 2004. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Mini-Incision Quad Sparing TKA: Through the Front Smartly. December, 2004. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Initial Experience with Minimally Invasive Total Hip Replacement via the Anterolateral Approach: Does it make a Difference? A Comparison with a Like Set of Non-Minimally Invasive Cases. January, 2005. Presented at the "19th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Revision of Recurrent Dislocation Hip: Constrained Sockets are not Always Needed. January, 2005. Presented at the "19th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Quadriceps Muscle Sparing Minimal Incision Total Knee Replacement from the Front: Does it Make a Difference? Comparision to a Like Set of Non- Minimally Invasive Total Knee Replacements. January, 2005. Presented at the "19th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- 10 Year Minimum Results with the Cemented Natural Knee System. January, 2005. Presented at the "19th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Revision Total Knee Replacement: Pre-Operative Planning. February, 2005. Presented at "Instructional Course Lecture: Revision Total Knee Replacement" at the American Academy of Orthopedic Surgeons Annual Meeting. Washington, D.C.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Revision Total Knee Replacement: Joint Line and Soft Tissue Balancing. February, 2005. Presented at "Instructional Course Lecture: Revision Total Knee Replacement" at the American Academy of Orthopedic Surgeons Annual Meeting. Washington, D.C.
- Subvastus Quad-Sparing Total Knee. March, 2005. Presented at "The Zimmer Institute 21st Annual Hip, Knee and Shoulder Symposium." Salt Lake City, Utah.
- Spacers for Infected Total Knees. March, 2005. Presented at "The Zimmer Institute 21st Annual Hip, Knee and Shoulder Symposium." Salt Lake City, Utah.
- Mini-Anterolateral Incision Total Hip Replacement. March, 2005. Presented at "The Zimmer Institute 21st Annual Hip, Knee and Shoulder Symposium." Salt Lake City, Utah.
- Muscle-Sparing Minimally Invasive Anterolateral Total Hip Replacement. March, 2005. Presented at "The Zimmer Institute Course on Minimally Invasive Anterolateral Hip Replacement Surgery." Orlando, Florida.
- Revision for Acetabular Bone Loss: Use of High Hips Center and Jumbo Cups. May, 2005. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Balancing the Revision Knee without Bony Landmarks. May, 2005. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Minimally Invasive Total Hip Replacement: Anterolateral Approach. May, 2005. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Minimally Invasive Total Knee Replacement: Subvastus Approach. May, 2005. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Computer-Assisted Total Knee Replacement. May, 2005. Presented at the "Annual Florida Orthopaedic Institute Adult Reconstruction Fellow's Meeting." Key Largo, Florida.
- Quadriceps Sparing Minimally Invasive Total Knee Replacement: Initial Experience and Comparison to a Matched-Set of Non-Minimally Invasive Total Knee Replacements. June, 2005. Presented at the European Federation of National Associations of Orthopaedics and Traumatology Annual Meeting. Lisbon, Portugal.
- Quadriceps Sparing Minimally Invasive Total Knee Replacement: Initial Experience and Comparison to a Matched-Set of Non-Minimally Invasive Total Knee Replacements. June, 2005. Presented at the "Natural-Knee MIS European Kick-off Meeting." Kiel, Germany.
- Quadriceps Sparing Minimally Invasive Total Knee Replacement: Surgical Demonstration. June, 2005. Presented at the "Natural-Knee MIS European Kick-off Meeting." Kiel, Germany.
- Balancing the Revision Knee without Bony Landmarks. June, 2005. Presented at the "Natural-Knee MIS European Kick-off Meeting." Kiel, Germany.
- Highly Crosslinked Polyethylenes in Total Knee Arthroplasty. June, 2005. Presented at the "Kieler Hip and Knee Symposium: Trends and Controversy in the Prosthetic Replacement of the Hip and Knee." Kiel, Germany.
- Obtaining Stability with the Least Constraint in Revision Knee Surgery. June, 2005. Presented at the "Kieler Hip and Knee Symposium: Trends and Controversy in the Prosthetic Replacement of the Hip and Knee." Kiel, Germany.
- Periprosthetic Infections about the Knee- Two Stage is the Way to Go. June, 2005. Presented at the "Kieler Hip and Knee Symposium: Trends and Controversy in the Prosthetic Replacement of the Hip and Knee." Kiel, Germany.
- Quadriceps Sparing Minimally Invasive Total Knee Replacement: Initial Experience and Comparison to a Matched-Set of Non-Minimally Invasive Total Knee Replacements. June, 2005. Presented at "The Zimmer Institute Symposium on Minimally Invasive Total Knee Replacement with the Natural-Knee." Warsaw, Indiana
- Watson-Jones MIS Anterolateral Approach for Total Hip Replacement. August, 2005. Presented at the Rush Presbyterian-St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Acetabular Revision with Jumbo Cups. August, 2005. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Revision for Recurrent Dislocating Total Hips. August, 2005. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Computer Assisted Total Knee Replacement. August, 2005. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Two Stage Treatment of Infected Total Knee with a Mobile Implant Spacer. August, 2005. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Revision Total Knee Replacement: Joint Line and Soft Tissue Balancing. February, 2005. Presented at "Instructional Course Lecture: Revision Total Knee Replacement" at the American Academy of Orthopedic Surgeons Annual Meeting. Washington, D.C.
- Subvastus Quad-Sparing Total Knee. March, 2005. Presented at "The Zimmer Institute 21st Annual Hip, Knee and Shoulder Symposium." Salt Lake City, Utah.
- Spacers for Infected Total Knees. March, 2005. Presented at "The Zimmer Institute 21st Annual Hip, Knee and Shoulder Symposium." Salt Lake City, Utah.
- Mini-Anterolateral Incision Total Hip Replacement. March, 2005. Presented at "The Zimmer Institute 21st Annual Hip, Knee and Shoulder Symposium." Salt Lake City, Utah.
- Muscle-Sparing Minimally Invasive Anterolateral Total Hip Replacement. March, 2005. Presented at "The Zimmer Institute Course on Minimally Invasive Anterolateral Hip Replacement Surgery." Orlando, Florida.
- Revision for Acetabular Bone Loss: Use of High Hips Center and Jumbo Cups. May, 2005. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Balancing the Revision Knee without Bony Landmarks. May, 2005. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Minimally Invasive Total Hip Replacement: Anterolateral Approach. May, 2005. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Minimally Invasive Total Knee Replacement: Subvastus Approach. May, 2005. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Computer-Assisted Total Knee Replacement. May, 2005. Presented at the "Annual Florida Orthopaedic Institute Adult Reconstruction Fellow's Meeting." Key Largo, Florida.
- Quadriceps Sparing Minimally Invasive Total Knee Replacement: Initial Experience and Comparison to a Matched-Set of Non-Minimally Invasive Total Knee Replacements. June, 2005. Presented at the European Federation of National Associations of Orthopaedics and Traumatology Annual Meeting. Lisbon, Portugal.
- Quadriceps Sparing Minimally Invasive Total Knee Replacement: Initial Experience and Comparison to a Matched-Set of Non-Minimally Invasive Total Knee Replacements. June, 2005. Presented at the "Natural-Knee MIS European Kick-off Meeting." Kiel, Germany.
- Quadriceps Sparing Minimally Invasive Total Knee Replacement: Surgical Demonstration. June, 2005. Presented at the "Natural-Knee MIS European Kick-off Meeting." Kiel, Germany.
- Balancing the Revision Knee without Bony Landmarks. June, 2005. Presented at the "Natural-Knee MIS European Kick-off Meeting." Kiel, Germany.
- Highly Crosslinked Polyethylenes in Total Knee Arthroplasty. June, 2005. Presented at the "Kieler Hip and Knee Symposium: Trends and Controversy in the Prosthetic Replacement of the Hip and Knee." Kiel, Germany.
- Obtaining Stability with the Least Constraint in Revision Knee Surgery. June, 2005. Presented at the "Kieler Hip and Knee Symposium: Trends and Controversy in the Prosthetic Replacement of the Hip and Knee." Kiel, Germany.
- Periprosthetic Infections about the Knee- Two Stage is the Way to Go. June, 2005. Presented at the "Kieler Hip and Knee Symposium: Trends and Controversy in the Prosthetic Replacement of the Hip and Knee." Kiel, Germany.
- Quadriceps Sparing Minimally Invasive Total Knee Replacement: Initial Experience and Comparison to a Matched-Set of Non-Minimally Invasive Total Knee Replacements. June, 2005. Presented at "The Zimmer Institute Symposium on Minimally Invasive Total Knee Replacement with the Natural-Knee." Warsaw, Indiana
- Watson-Jones MIS Anterolateral Approach for Total Hip Replacement. August, 2005. Presented at the Rush Presbyterian-St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Acetabular Revision with Jumbo Cups. August, 2005. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Revision for Recurrent Dislocating Total Hips. August, 2005. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Computer Assisted Total Knee Replacement. August, 2005. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Two Stage Treatment of Infected Total Knee with a Mobile Implant Spacer. August, 2005. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Muscle Sparing Watson-Jones Anterolateral Approach for Total Hip Replacement. December, 2005. Presented at "The Zimmer Institute Course on Minimally Invasive Anterolateral Hip Replacement Surgery." Orlando, Florida.
- Anterolateral Mini-Incision Total Hip: "Tween the Planes." December, 2005. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- A MIS Muscle Sparing Subvastus Approach to Total Knee Replacement. December, 2005. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Single-Incision Muscle Sparing Anterolateral Approach for Total Hip Replacement. January, 2006. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Comparison of Standard Incision, Mini-Incision, and Muscle Sparing Approach Results in Total Hip Replacement. January, 2006. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Mini-Incision Muscle Sparing Subvastus Approach for Total Knee Replacement: Comparison to a Matched Set of Total Knee Replacements via a Standard Paramedian Approach. January, 2006. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- How to Get a Stable Revision Total Knee Replacement: Balancing the Gaps and Obtaining the Correct Joint Line Location. January, 2006. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Minimally Invasive Direct-Lateral Approach for Total Hip Replacement. March, 2006. Presented at "Instructional Course Lecture: Minimally Invasive Hip Replacement" at the American Academy of Orthopedic Surgeons Annual Meeting. Chicago, Illinois.
- Revision for Acetabular Bone Loss: Use of High Hips Center and Jumbo Cups. April, 2006. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Balancing the Revision Knee without Bony Landmarks. April, 2006. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Minimally Invasive Total Hip Replacement: Anterolateral Muscle Sparing Approach. April, 2006. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Minimally Invasive Total Knee Replacement: Subvastus Approach. April, 2006. Presented at the "Thirteenth Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Minimally Invasive Knee Surgery Live Demonstration. May, 2006. Performed at Lindenhof Clinic, Bern, Switzerland.
- Minimally Invasive Knee Surgery Live Demonstration. May, 2006. Performed at Princess Astrid Hospital, Luxemburg City, Luxemburg.
- Natural Knee Design Rationale and Long-Term Results. May, 2006 Presented to the "Zimmer Natural Knee User Group Symposium." London, England.
- Minimally Invasive Total Knee Replacement: Comparison to Standard Incision Total Knee Replacement. May, 2006. Presented to the "Zimmer Natural Knee User Group Symposium." London, England.
- Minimally Invasive Total Knee Replacement: Surgical Technique. May, 2006. Presented to the "Zimmer Natural Knee User Group Symposium." London, England.
- Revision Total Knee Replacement: Balancing without Bony Landmarks. May, 2006. Presented to the "Zimmer Natural Knee User Group Symposium." London, England.
- Debate: Highly Crosslinked Ultra High Molecular Weight Polyethylene in Total Knees: A Knee is not a Hip. Oppose. May, 2006. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- Panel Discussion: What would you do- Challenges in Hip Surgery. May, 2006. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- Jumbo Cup: The Bone Loss Alternative. May, 2006. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- Watson-Jones MIS Anterolateral Approach for Total Hip Replacement. August, 2006. Presented at the Rush Presbyterian-St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Treatment of Acetabular Defects with Jumbo Cups. August, 2006. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Revision for Recurrent Dislocating Total Hips. August, 2006. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Performing Navigation with Minimally Invasive Total Knee Replacement. September, 2006. Presented at the Surgical Orthomedics Autumn Orthopedic Summit. Ponte Vedra, Florida.
- Live Surgery Demonstration and Lecture of Minimally Invasive Total Knee Replacement. October, 2006. Performed at the Hospital Provincail de Castellon. Castellon, Spain.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Live Surgery Demonstration and Lecture of Minimally Invasive Total Knee Replacement. October, 2006. Performed at the Hospital Regional Universitario Carlos Haya de Malaga. Malaga, Spain.
- Minimally Invasive Knee Surgery Live Demonstration. October, 2006. Performed at the Valais Kantonspital of Montey. Montey, Switzerland.
- Live Surgery Demonstration and Lecture of Minimally Invasive Total Knee Replacement. October, 2006. Performed at the Kantonspital Thurgau. Munterslingen, Switzerland.
- Modularity of Revision Femoral Components. December, 2006. Zimmer Revision Meeting. New York City, New York.
- Ligament Balancing in Revision Total Knee Replacement using the Natural Knee II System. December, 2006. Zimmer Revision Meeting. New York City, New York.
- Muscle Sparing Watson-Jones Anterolateral Approach for Total Hip Replacement. December, 2006. Presented at "The Zimmer Institute Course on Minimally Invasive Anterolateral Hip Replacement Surgery." Orlando, Florida.
- Panel Discussion: Performing a Primary Total Hip Replacement. December, 2006. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Jumbo Cup: A Bone Loss Alternative. December, 2006. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Getting out Well-Fixed Total Knee Components. December, 2006. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Proximal Coated Femoral Stems in Total Hip Replacement. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Minimally Invasive Watson Jones Technique for Total Hip Replacement and Results. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Panel Discussion: Minimally Invasive Total Hip Replacement. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Video Presentation: How I use an Anatomic Stem in Total Hip Replacement. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Jumbo Cups for Complex Acetabular Cases in Revision Total Hip Replacement Surgery. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Recurrent Dislocations treated without Constrained Sockets. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Panel Discussion: How I do a Primary and Revision Total Hip Replacement. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Panel Discussion: Correction of Deformities in Total Knee Replacement Surgery. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Minimally Invasive Total Knee Replacement via the Subvastus Approach. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Panel Discussion: Revision Total Knee Replacement Techniques. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- How to Get a Stable Revision Total Knee Replacement- Balancing the Gaps. January, 2007. Presented at the "20th Annual Vail Orthopaedic Symposium," Vail, Colorado.
- Mini-Direct Lateral Total Hip Replacement- Video Technique and Results. February, 2007. Presented at "Instructional Course Lecture: Minimally Invasive Hip Replacement- Video Techniques and Results to Date" at the American Academy of Orthopedic Surgeons Annual Meeting. San Diego, California.
- Minimally Invasive Total Knee Replacement- A Spectrum of Approaches. February, 2007. Presented at "Instructional Course Lecture: Minimally Invasive Total Hip and Knee Replacement- Where, Now, and Where Next?" at the American Academy of Orthopedic Surgeons Annual Meeting. San Diego, California.
- Minimally Invasive Surgery- Tips for Changing your Practice. February, 2007. Presented at "Instructional Course Lecture: Minimally Invasive Total Hip and Knee Replacement- Where, Now, and Where Next?" at the American Academy of Orthopedic Surgeons Annual Meeting. San Diego, California.
- Revision for Acetabular Bone Loss: Use of High Hips Center and Jumbo Cups. March, 2007. Presented at the "Fourtheen Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Balancing the Revision Knee without Bony Landmarks. March, 2007. Presented at the "Fourtheen Annual Current Techniques in Arthroplasty." Key Largo, Florida.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Minimally Invasive Total Hip Replacement: Anterolateral Muscle Sparing Approach. March, 2007. Presented at the "Fourtheen Annual Current Techniques in Arthroplasty." Key Largo, Florida.
- Live Webcast Minimally Invasive Computer Assisted Total Knee Replacement Surgery. April, 2007. OR Live Webcast. Tampa, Florida.
- Natural Knee Gender Flex Design Rationale. May, 2007. Presented at the Zimmer EFORT Side Event on "Gender Solutions in Total Knee Replacement." Florence, Italy.
- Management of the Anatomic Differences in Female and Male Distal Femurs in Total Knee Replacement Surgery. May, 2007. Presented at the European Federation of Orthopedic Reconstruction and Traumatology Annual Meeting. Florence, Italy.
- Minimally Invasive Total Hip Arthroplasty: Overcoming the Learning Curve. August, 2007. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Treatment of Recurrent Dislocations in Revision Total Hip Replacement. August, 2007. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Computer Assisted Minimally Invasive Total Knee Replacement- Surgical Technique. August, 2007. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Treatment of Infection with Two Stage Mobile Spacers. August, 2007. Presented at the Rush Presbyterian- St. Luke's Medical Center "Total Hip and Total Knee Forum." Chicago, Illinois.
- Clinical Results with the Mini-Subvastus Approach to Total Knee Replacement. September, 2007. Presented at the ISK Institute "Sports Medicine and Total Knee & Hip Symposium." New York, New York.
- Computer Navigation in Minimally Invasive Total Knee Replacement. September, 2007. Presented at the ISK Institute "Sports Medicine and Total Knee & Hip Symposium." New York, New York.
- All-Polyethylene Components in the Elderly: It's not just Economics. September, 2007. Presented at the ISK Institute "Sports Medicine and Total Knee & Hip Symposium." New York, New York.
- Performing Navigation with Minimally Invasive Total Knee Replacement. September, 2007. Presented at Presented at the Surgical Orthomedics Autumn Orthopedic Summit. Ponte Vedra, Florida.
- Modularity of Revision Femoral Components. December, 2007. Zimmer Revision Meeting. New York City, New York.
- Ligament Balancing in Revision Total Knee Replacement using the Natural Knee II System. December, 2007. Zimmer Revision Meeting. New York City, New York.
- Minimally Invasive Total Knee Replacement- A Spectrum of Approaches. March, 2008. Presented at "Instructional Course Lecture: Minimally Invasive Total Hip and Knee Replacement- Where, Now, and Where Next?" at the American Academy of Orthopedic Surgeons Annual Meeting. San Francisco, California.
- Minimally Invasive Surgery- Tips for Changing your Practice. March, 2008. Presented at "Instructional Course Lecture: Minimally Invasive Total Hip and Knee Replacement- Where, Now, and Where Next?" at the American Academy of Orthopedic Surgeons Annual Meeting. San Francisco, California.
- Minimally Invasive Total Knee Replacement via Subvastus Approach- Ideal Approach to Knee. May, 2008. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- Pre-Operative Planning in Revision Total Knee Replacement: Avoiding Chaos. May, 2008. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- Jumbo Cup for Revision Total Hip Replacement: The 95% Solution. May, 2008. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- The Fitmore Total Hip Stem. December 2008. Presented at the "Zimmer Institute Hip Course." Newport, Rhode Island.
- Jumbo Cup for Revision Total Hip Replacement: The 95% Solution. December, 2008. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Pre-Operative Planning in Revision Total Knee Replacement: Avoiding Chaos. December, 2008. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Minimally Invasive Total Knee Replacement- A Spectrum of Approaches. Februray, 2009. Presented at "Instructional Course Lecture: Minimally Invasive Total Hip and Knee Replacement- Where, Now, and Where Next?" at the American Academy of Orthopedic Surgeons Annual Meeting. Las Vegas, Nevada.
- Minimally Invasive Surgery- Tips for Changing your Practice. February, 2009. Presented at "Instructional Course Lecture: Minimally Invasive Total Hip and Knee Replacement- Where, Now, and Where Next?" at the American Academy of Orthopedic Surgeons Annual Meeting. Las Vegas, Nevada.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Fitmore Stem Design Rationale. March, 2009. Presented at "Primary Hip Solutions Meeting." Orlando, Florida.
- Knee Joint Exposure including Minimally Invasive Approaches. December, 2009. Presented at "Foundation for Orthopaedic Research Course on Surgical Approaches to the Knee and Hip." Tampa, Florida
- Jumbo Cup for Revision Total Hip Replacement: The 95% Solution. December, 2009. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Getting out Well-Fixed Total Knee Components. December, 2009. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Minimally Invasive Anterolateral Approach for Total Hip Replacement with the Fitmore Stem. December, 2009. Presented at the "Zimmer Institute Training/Surgical Skills Course." Orlando, Florida.
- Use of Jumbo Cups for Revision of Acetabulae with Large Bony Defects. March 2010. Presented at the American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, Louisiana.
- Minimally Invasive Total Knee Replacement- A Spectrum of Approaches. October, 2010. Presented at the Foundation for Orthopaedic Research and Education "Contemporary Surgical Skills Lab for Hip and Knee Arthroplasty." Tampa, Florida.
- Live Surgery Demonstration of Minimally Invasive Computer Assisted Natural Knee Total Knee Replacement. October, 2010. Presented at the "Zimmer Institute Natural Knee Training Course." Tampa, Florida.
- 25 Years of Clinical Results with the Natural Knee. October, 2010. Presented at the "Zimmer Institute Natural Knee Training Course." Tampa, Florida
- 25 Years of Clinical Results with the Natural Knee. December, 2010. Presented at the "Zimmer Institute Knee Training Course." Orlando, Florida.
- Natural Knee Gender/Flex Total Knee: Principles and Surgical Technique. January, 2011. Presented at the "Zimmer Institute Training/Surgical Skills Course." Miami, Florida.
- Revision Total Hip Replacement with Large Acetabular Defects. March, 2011. Presented at the University of South Florida Department of Orthopaedics Grand Rounds. Tampa, Florida.
- 25 Years of Clinical Results with the Natural Knee. March, 2011. Presented at the "Zimmer Institute Knee Training Course." Salt Lake City, Utah.
- Pre-Operative Planning in Revision Total Knee Replacement: Avoiding Chaos. May, 2011. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- Stubby Total Hip Stems: The Napoleonic Solution. May, 2011. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- The Importance of PreOperative Planning with the Short Fitmore Stem. August, 2011. Presented at the "Zimmer Annual Resident's Hip and Knee Course." Chicago, Illinois.
- Computer Navigation for Total Knee Replacement. October, 2011. Presented at the Foundation for Orthopaedic Research and Education "Contemporary Surgical Skills Lab for Hip and Knee Arthroplasty." Tampa, Florida.
- Minimally Invasive Total Knee Replacement- A Spectrum of Approaches. October, 2011. Presented at the Foundation for Orthopaedic Research and Education "Contemporary Surgical Skills Lab for Hip and Knee Arthroplasty." Tampa, Florida.
- Stubby Stems for Total Hip Replacement Surgery. November, 2011. Presented to the Detroit Academy of Orthopedic Surgeons Grand Rounds. Detroit, Michigan.
- Stubby Stems: The Napoleonic Solution. December, 2011. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- PreOperative Planning in Revision Total Knee Replacement: Avoiding Chaos. December, 2011. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Electronic Soft Tissue Balancing: Use of Smart Trials. December, 2011. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- New Technology for Balancing the Knee. January, 2012. Presented at the "International Congress for Joint Reconstruction Fourth Annual Winter Hip and Knee Course." Vail, Colorado.
- Electronic Soft Tissue Balancing: The Use of Smart Trials. May, 2012. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- Stubby Stems: A Napoleonic Alternative. May, 2012. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- The Dysplastic Hip: Not for the Shallow. May, 2012. Presented at the "Current Concepts in Joint Replacement." Las Vegas, Nevada.
- Acetabular Revision: Shells and Augment. November, 2012. Presented at the "Zimmer Revision Joint Replacement Course." New York, New York.

Kenneth A. Gustke, M.D.

Presentations (cont.)

- Fundamental of Revision Total Knee Surgical Technique. November, 2012. Presented at the "Zimmer Revision Joint Replacement Course." New York, New York.
- Dysplastic Hip: Not for the Shallow Surgeon. December, 2012. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Pre-Operative Planning: Avoiding Chaos. December, 2012. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.
- Electronic Soft Tissue Balancing: Use of Smart Trials. December, 2012. Presented at the "Current Concepts in Joint Replacement." Orlando, Florida.

Course Chairman: National Scientific Meetings

- "Current Trends in Orthopedics" Course. March, 1984. Clearwater, Florida.
- "Current Trends in Orthopedics" Course. March, 1985. Clearwater, Florida.
- "Cementless/Press Fit Acetabular and Femoral Reconstruction" Course. October, 1985. Tampa, Florida.
- "Current Trends in Orthopedics" Course. March, 1986. Clearwater, Florida.
- "Total Knee and Total Hip Arthroplasty: A Progressive Symposium." March, 1987. Orlando, Florida.
- "Midas Rex Psychomotor Skills Conference: Modern Dissection Techniques of Bone, Biometals and Bioplastics." April, 1987. Clearwater Beach, Florida.
- "Current Trends in Orthopedics" Course. March, 1987. Clearwater, Florida.
- "Total Hip Replacement: Technique and Technology." October, 1987. Tarpon Springs, Florida.
- "Current Trends in Orthopedics" Course. March, 1988. Clearwater, Florida.
- "Midas Rex Psychomotor Skills Conference: Modern Dissection Techniques of Bone, Biometals and Bioplastics." March, 1988. Clearwater Beach, Florida.
- "Midas Rex Psychomotor Skills Conference: Modern Dissection Techniques of Bone, Biometals and Bioplastics." March, 1989. Clearwater Beach, Florida.
- "Midas Rex Psychomotor Skills Conference: Modern Dissection Techniques of Bone, Biometals and Bioplastics." March, 1990. Clearwater Beach, Florida.
- "Midas Rex Psychomotor Skills Conference: Modern Dissection Techniques of Bone, Biometals and Bioplastics." March, 1991. Clearwater Beach, Florida.
- "Interactive Live Surgery Broadcast" Symposium. November, 1996. Tampa, Florida.
- "Current Techniques in Arthroplasty" Course. June, 1997. Nevis, Caribbean West Indies.
- "Total Joint Arthroplasy Primary and Revision Surgical Technique: An Interactive Video Symposium." November, 1997. Tampa, Florida. "1998 Hip, Knee and Shoulder Symposium." (Co-Chairman). February, 1998. Park City, Utah.
- "Current Techniques in Arthroplasty" Course. June, 1998. Key Largo, Florida.
- " Interactive Live Surgery Broadcast" Symposium. November, 1998. Tampa, Florida.
- "1999 Hip, Knee and Shoulder Symposium." (Co-Chairman). March, 1999. Park City, Utah.
- "Current Techniques in Arthroplasty" Course. June, 1999. Key Largo, Florida.
- "Total Joint Arthroplasty: Revision Surgical Technique- An Interactive Live Surgery Symposium." February, 2000. Tampa, Florida.
- "2000 Hip, Knee and Shoulder Symposium." (Co-Chairman). March, 2000. Park City, Utah.
- "Total Joint Arthroplasty: An Interactive Live Surgery Broadcast and Symposium." (Co-Chairman). March, 2000. Kissimmee, Florida.
- "Current Techniques in Arthroplasty" Course. June, 2000. Key Largo, Florida.
- "Excellence in Revision: Contemporary Treatment of Revision Hip Arthroplasty." (Co-Chairman). December, 2000. New York, New York.
- "The 2001 Hip, Knee, and Shoulder Symposium." (Co-Chairman). March, 2001. Salt Lake City, Utah
- "Current Techniques in Arthroplasty" Course. June, 2001. Key Largo, Florida.
- "The 2002 Hip, Knee, and Shoulder Symposium: New Opportunities and New Challenges." (Co-Chairman). March, 2002. Salt Lake City, Utah
- "Current Techniques in Arthroplasty" Course. June, 2002. Key Largo, Florida.
- "Natural Knee Meeting." (Co-Chairman). August 2002. San Diego, California.
- "The 2003 Hip, Knee, and Shoulder Symposium." (Co-Chairman). March, 2003. Salt Lake City, Utah.
- "Current Techniques in Arthroplasty" Course. May, 2003. Key Largo, Florida.
- "The 20th Annual Hip, Knee, and Shoulder Symposium." (Co-Chairman). February, 2004. Salt Lake City, Utah
- "Current Techniques in Arthroplasty" Course. June, 2004. Key Largo, Florida.
- "Current Techniques in Arthroplasty" Course. May, 2005. Key Largo, Florida.

Course Chairman: National Scientific Meetings (cont.)

- "Current Techniques in Arthroplasty" Course. April, 2006. Key Largo, Florida.
- "Current Techniques in Arthroplasty" Course. April, 2007. Key Largo, Florida.
- "Zimmer Institute Natural Knee Training Course." October, 2010. Tampa, Florida

CME Courses

1992 – Total CME Credits: 121.7

- 9th Annual Arthritic Hip, Knee, and Shoulder Symposium. Snowbird, Utah. January 8 - 11, 1992. 19 Hours.
- American Academy of Orthopedic Surgeons 59th Annual Meeting. Washington, D.C. February 20 - 25, 1992. 23 Hours.
- American Shoulder and Elbow Surgeons 8th Open Meeting. Washington, D.C. February 23, 1992. 8.5 Hours.
- Complex Revision Reconstruction in Total Knee Replacement. Tampa, Florida. March 5, 1992. 1 Hour.
- Advance Directives and the Right to Die. Tampa, Florida. March 23, 1992. 1 Hour.
- Diagnosis and Management of the Infected Total Joint. Tampa, Florida. May 7, 1992. 1 Hour.
- Arthroscopic Surgery of the Shoulder, Ninth Annual San Diego Meeting. San Diego, California. June 25 - 27, 1992. 21.45 Hours.
- 7th Annual Joint Replacement Symposium. Palm Beach, Florida. October 22 - 24, 1992. 21 Hours.
- Total Joint Arthroplasty: Current Issues, Concepts and Considerations. Tarpon Springs, Florida. October 29 - 31, 1992. 8 Hours.
- 8th Annual Current Concepts in Joint Replacement. Orlando, Florida. December 17 - 19, 1992. 17.75 Hours.

1993 – Total CME Credits: 99.75

- 10th Annual Arthritic Hip, Knee, and Shoulder Symposium. Snowbird, Utah. January 6 - 9, 1993. 28 Hours.
- American Academy of Orthopedic Surgeons 60th Annual Meeting. February 18 - 23, 1993. 30.50 Hours.
- Hip Society and Knee Society Meetings. San Francisco, California. February 21, 1993. 7 Hours.
- Orthopedic Grand Rounds. Tampa, Florida. July 1, 1993 to December 31, 1994. 6 Hours.
- 3rd Annual American Association for Arthritic Hip and Knee Surgery. Dallas, Texas. November 12 - 14, 1993. 8.5 Hours.
- Hip Society Meeting. San Francisco, California. February 21, 1993. 7 Hours.
- HIV/AIDS Update. Tampa, Florida. November 20, 1993. 2 Hours.
- 9th Annual Current Concepts in Joint Replacement. Orlando, Florida. December 16 - 18, 1993. 17.75 Hours.

1994 – Total CME Credits: 91.5

- Orthopedic Grand Rounds. Tampa, Florida. January 1, 1994 to June 30, 1994. 6 Hours.
- 2. 11th Annual Arthritic Hip, Knee, and Shoulder Symposium. Snowbird, Utah. January 5 - 8, 1994. 22 Hours.
- 3. Current Concepts of Shoulder and Elbow Surgery. St. Petersburg, Florida. January 20 - 22, 1994. 12.5 Hours.
- 4. American Academy of Orthopedic Surgeons 61st Annual Meeting. New Orleans, Louisiana. February 24 - 26, 1994. 16 Hours.
- 5. Hip Society and Knee Society Annual Meetings. New Orleans, Louisiana. February 27, 1994. 7 Hours
- 6. American Association of Hip and Knee Surgeons 4th Annual Meeting. Washington, DC. September 24 - 26, 1994. 8 Hours.
- 7. 10th Annual Current Concepts in Joint Replacement. Orlando, Florida. December 16 - 17, 1994. 20 Hours.

1995 – Total CME Credits 90.5

- American Academy of Orthopedic Surgeons 62nd Annual Meeting. Orlando, Florida. February 17 - 20, 1995. 30.5 Hours.
- 2. Hip Society and Knee Society Annual Meetings. Orlando, Florida. February 19,1995. 7 Hours.
- 3. Workers' Compensation Certified Training Course for Physicians. Tampa, Florida. April 22, 1995. 5 Hours.
- 4. Current Issues in Total Knee Arthroplasty. Tampa, Florida. September 21, 1995. 1 Hour
- 5. Medical Group Management Association 69th Annual Conference. New Orleans, Louisiana. October 9 - 11, 1995. 17 Hours.
- 6. American Association of Hip and Knee Surgeons 5th Annual Meeting. Dallas, Texas. November 10 - 12, 1995. 9 Hours.
- 7. Domestic Violence Seminar. Tampa, Florida. November 28, 1995. 1 Hour.
- 11th Annual Current Concepts in Joint Replacement. Orlando, Florida. December 14 - 16, 1995. 20 Hours.

Kenneth A. Gustke, M.D.

CME Courses (cont.)

1996 – Total CME Credits: 55.5

- HIV/AIDS Seminar. Tampa, Florida. January 20, 1996. 2 Hours.
- Medical Risk Management Seminar. Tampa, Florida. January 20, 1996. 5 Hours.
- 63rd American Academy of Orthopedic Surgeons Annual Meeting. Atlanta, Georgia. February 22-24, 1996. 18 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. Atlanta, Georgia. February 25, 1996. 7 Hours
- THR- Six to Ten Year Follow-Up. Tampa, Florida. March 27, 1996. 1 Hour.
- Florida Orthopaedic Society 1996 Annual Meeting. Palm Beach, Florida. May 24-26,1996. 12 Hours.
- American Association of Hip and Knee Surgeons Sixth Annual Meeting. Dallas, Texas. November 8-10, 1996. 10.5 Hours.

1997 – Total CME Credits: 60

- The 1997 Hip, Knee and Shoulder Symposium. Park City, Utah. January 9-11, 1997. 10 Hours.
- 64th American Academy of Orthopedic Surgeons Annual Meeting. San Francisco, California. February 13-15, 1997. 18 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. San Francisco, California. February 16, 1997. 7 Hours.
- AIDS/HIV Update and Domestic Violence. Orlando, Florida. June 6, 1997. 2 Hours.
- Florida Orthopaedic Society Annual Meeting. Orlando, Florida. June 6-8, 1997. 10 Hours.
- Current Techniques in Arthroplasty. Nevis, Caribbean West Indies. June 27-29, 1997. 11 Hours.
- Long Term Results of Mobile Bearing Total Knee Replacement. Tampa, Florida. October, 30, 1997. 1 Hour.
- Current Concepts in Adult Reconstructive Surgery of the Hip. Tampa, Florida. December, 10, 1997. 1 Hour.

1998 – Total CME Credits: 64

- Arthritic Hip, Knee and Shoulder 1998. Park City, Utah. February 18-21, 1998. 15 Hours.
- 65th American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, Louisiana. March 19-21, 1998. 18 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. New Orleans, Louisiana. March 22, 1998. 8 Hours.
- Bay Area Orthopedic Society-Continuing Medical Education Seminar. Tampa, Florida. May 7, 1998. 1 Hour.
- Current Techniques in Arthroplasty. Key Largo, Florida. June 26-28, 1998. 11 Hours.
- Management of Blood Loss and Transfusion in Orthopedic Surgery. Tampa, Florida. November 18, 1998. 1 Hour.
- Current Concepts in Joint Replacement. Orlando, Florida. December 10-12, 1998. 20 Hours.

1999 – Total CME Credits: 51

- 66th American Academy of Orthopedic Surgeons Annual Meeting. Anaheim, California. February 4-7, 1999. 20 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. Anaheim, California. February 7, 1999. 8 Hours
- The 1999 Hip, Knee and Shoulder Symposium. Park City, Utah. March 10-13, 1999. 10 Hours.
- Domestic Violence. Tampa, Florida. May 18, 1999. 1 Hour.
- HIV/AIDS Physician Update. Tampa, Florida. May 18,1999. 1 Hour.
- Current Techniques in Arthroplasty. Key Largo, Florida. June 25-27, 1999. 11 Hours.

2000 – Total CME Credits: 78

- Total Joint Arthroplasty- Revision Surgical Technique. Tampa, Florida. February 11, 2000. 4 Hours.
- 67th American Academy of Orthopedic Surgeons Annual Meeting. Orlando, Florida. March 15-19, 2000. 20 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. Orlando, Florida. March 18, 2000. 8 Hours.
- The 2000 Hip, Knee and Shoulder Symposium. Park City, Utah. March 29- April 1,2000. 13 Hours.
- Current Techniques in Arthroplasty. Key Largo, Florida. June 23-25, 2000. 11 Hours.
- American Association of Hip and Knee Surgeons Tenth Annual Meeting. Dallas, Texas. November 4-5, 2000. 10.5 Hours.
- Excellence in Revision: Contemporary Treatment of Revision Hip Arthroplasty. New York, New York. December 8-9, 2000. 11.5 Hours.

2001 – Total CME Credits: 98.75

- Managing Orthopedic Malpractice Risk. Tampa, Florida. January 16, 2001. 3 Hours.
- 68th American Academy of Orthopedic Surgeons Annual Meeting. San Francisco, California. February 28- March 2, 2001. 20 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. San Francisco, California. March 3, 2001. 8 Hours.
- The 2001 Hip, Knee, and Shoulder Symposium. Salt Lake City, Utah. March 21-24, 2001. 14 Hours.
- The Master Series Course: Techniques in Arthritis Surgery. Pasadena, California. April 26-28, 2001. 20 Hours.
- Current Techniques in Arthroplasty. Key Largo, Florida. June 8-10, 2001. 11 Hours.
- Domestic Violence. Tampa, Florida. November 20, 2001. 1 Hour.
- AIDS/HIV Update. Tampa, Florida. November 20, 2001. 1 Hour.
- Current Concepts in Joint Replacement. Orlando, Florida. December 13- 15, 2001. 20.75 Hours.

Kenneth A. Gustke, M.D.

CME Courses (cont.)

2002 – Total CME Credits: 88

- 69th American Academy of Orthopedic Surgeons Annual Meeting. San Dallas, Texas. February 14-15, 2002. 20 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. Dallas, Texas. February 16, 2002. 8 Hours.
- The 2002 Hip, Knee, and Shoulder Symposium: New Opportunities and New Challenges. Salt Lake City, Utah. March 6-9, 2002. 14.5 Hours.
- Coastal Bend Hip and Knee Symposium. Port Aransas, Texas. May 17-18, 2002. 8 Hours.
- Current Concepts in Joint Replacement. Las Vegas, Nevada. May19-23, 2002. 25.5 Hours.
- Current Techniques in Arthroplasty. Key Largo, Florida. June 21-23, 2002. 10.5 Hours.
- Advances in Hip and Knee Arthroplasty: A New Era of Minimally Invasive Techniques? Boston, Massachusetts. October 2-5, 2002. 7 Hours.

2003 – Total CME Credits: 157.25

- 70th American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, Louisiana. February 5-7. 20 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. New Orleans, Louisiana. February 8, 2003. 8 Hours.
- 2003 Hip, Knee, and Shoulder Symposium. Park City, Utah. March 5-8, 2003. 13 Hours.
- Masters Series: Techniques in Arthritis Surgery. Pasadena, California. April 3-5, 2003. 21 Hours.
- Current Techniques in Arthroplasty, Key Largo, Florida. May 1-3, 2003. 11 Hours.
- 2nd Coastal Bend Hip and Knee Symposium. Corpus Christi, Texas. May 15-17, 2003. 9 Hours.
- Current Concepts in Joint Replacement. Las Vegas, Nevada. May 18-21, 2003. 24.75 Hours.
- Advances in Arthroplasty: New Technologies, New Techniques. Cambridge, Massachusetts. September 17-20, 2003. 29.5 Hours.
- Current Concepts in Joint Replacement. Orlando, Florida. December 10- 13, 2003. 21 Hours

2004 – Total CME Credits: 125.25

- Florida Physician Update: HIV/AIDS, Domestic Violence, Palliative Care and Medical Errors. Informed Internet Course. January 12, 2004. 5 Hours.
- 18th Annual Vail Orthopaedic Symposium 2004: Total Hip and Knee. Vail, Colorado. January 25-30, 2004. 25.5 Hours.
- 20th Annual Hip, Knee and Shoulder Symposium. Park City, Utah. February 18-21, 2004. 14 Hours.
- Emerging Techniques and Technologies in Hip and Knee Arthroplasty. Atlanta, Georgia. April 2-3, 2004. 11 Hours.
- Current Concepts in Joint Replacement. Las Vegas, Nevada. May 24-26, 2004. 24.75 Hours.
- Current Techniques in Arthroplasty. Key Largo, Florida. June 24-26, 2004. 11 Hours.
- American Association of Hip and Knee Surgeons Annual Meeting. Dallas, Texas. November 5-7, 2004. 13 Hours.
- Current Concepts in Joint Replacement. Orlando, Florida. December 8-11, 2004. 21 Hours.

2005 – Total CME Credits: 129

- 19th Annual Vail Orthopaedic Symposium: Total Hip and Knee. Vail, Colorado. January 23-28, 2005. 24 Hours.
- 71th American Academy of Orthopedic Surgeons Annual Meeting. Washington, D.C. February 22-25, 2005. 20 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. Washington, D.C. February 26, 2005. 8 Hours.
- 21st Annual Hip, Knee and Shoulder Symposium." Salt Lake City, Utah. March 17-19,2005. 17.5 Hours.
- Masters Series: Techniques in Arthritis Surgery. Pasadena, California. April 28-30, 2005. 22.5 Hours
- Current Techniques in Arthroplasty. Key Largo, Florida. May 12-14, 2005. 11 Hours.
- Informed Internet Course: HIV/AIDS, Domestic Violence, Palliative Care, and Medical Error Course. July 14, 2005. 5 Hours.
- Current Concepts in Joint Replacement. Orlando, Florida. December, 2005. 21 Hours.

2006 – Total CME Credits: 105.15

- 20th Annual Vail Orthopaedic Symposium: Total Hip and Knee. Vail, Colorado. January 20-22, 2006. 18 Hours.
- 71th American Academy of Orthopedic Surgeons Annual Meeting. Chicago, Illinois. March 22-24, 2006. 20 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. Chicago, Illinois. March 25, 2006. 8 Hours.
- Current Techniques in Arthroplasty. Key Largo, Florida. April 6-8, 2006. 11 Hours.
- Current Concepts in Joint Replacement. Las Vegas, Nevada. May 22-24, 2006. 13 Hours.
- American Association of Hip and Knee Surgeons Annual Meeting. Dallas, Texas. November 4-5, 2006. 13 Hours.
- Current Concepts in Joint Replacement. Orlando, Florida. December 14- 16, 2006. 22.15 Hours.

Kenneth A. Gustke, M.D.

CME Courses (cont.)

2007 – Total CME Credits: 88.25

- 21st Annual Vail Orthopaedic Symposium: Total Hip and Knee. Vail, Colorado. January 21-26, 2007. 20 Hours.
- 72th American Academy of Orthopedic Surgeons Annual Meeting. San Diego, California. February 14-17, 2007. 20 Hours.
- American Association of Hip and Knee Surgeons Specialty Day. San Diego, California. February 18, 2007. 8 Hours.
- Current Techniques in Arthroplasty. Key Largo, Florida. March 29-31, 2007. 11 Hours.
- ISK Institute Sports Medicine and Total Knee & Hip Symposium. New York, New York. September 15, 2007. 9 Hours.
- Current Concepts in Joint Replacement. Orlando, Florida. December 13- 15, 2007. 18.25 Hours.

2008 Total CME Credits: 68.25

- American Academy of Orthopedic Surgeons Annual Meeting. San Francisco, California. March 5-7, 2008. 20 Hours.
- Combined Knee and Hip Society Meeting, San Francisco, California. March 8, 2008. 8 Hours.
- Informed Internet Course: Medical Error Course. December 31, 2007. 2 Hours.
- Current Concepts in Joint Replacement. Las Vegas, Nevada. May 18-21, 2008. 15 Hours.
- American Association of Hip and Knee Surgeons Annual Meeting. Dallas, Texas. November 7-11, 2008. 13 Hours.
- Current Concepts in Joint Replacement. Orlando, Florida. December 11-12, 2008. 12.25 Hours.

2009 Total CME Credits: 72

- American Academy of Orthopedic Surgeons Annual Meeting. Las Vegas, Nevada. February 25-27, 2009. 19 Hours.
- Combined Knee and Hip Society Meeting. Las Vegas, Nevada. February 28, 2009. 7.5 Hours.
- Fellow's Day. Tampa, Florida. June 27, 2009. 7 Hours.
- American Association of Hip and Knee Surgeons Annual Meeting. Dallas, Texas. November 6-8, 2009. 14.75 Hours.
- Current Concepts in Joint Replacement. Orlando, Florida. December 10-12, 2009. 21.75 Hours.
- Informed Internet Course: Medical Errors. December 19, 2009. 2 Hours.

2010 – Total CME Credits: 55.25

- American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, Louisiana. March, 10-12, 2010. 20 Hours.
- Combined Knee and Hip Society Meeting. New Orleans, Louisiana. March, 13, 2010. 7.5 Hours.
- Fellow's Day. Tampa, Florida. June 19, 2010. 8 Hours.
- Foundation for Orthopaedic Research and Education Contemporary Surgical Skills Lab for Hip and Knee Arthroplasty. Tampa, Florida. October 2, 2010. 4 Hours.
- University of South Florida Universal Protocol Course. Tampa, Florida. October 28, 2010. 1 Hour
- American Association of Hip and Knee Surgeons Annual Meeting. Dallas, Texas. November 5-7, 2010. 14.75 Hours.

2011 – Total CME Credits: 86.5

- American Academy of Orthopedic Surgeons Annual Meeting. San Diego, California. February 15-19, 2011. 20 Hours.
- Combined Knee and Hip Society Meeting. San Diego, California. February 19, 2011. 7.5 Hours.
- Current Concepts in Joint Replacement. Las Vegas, Nevada. May 22-25, 2011. 15 Hours.
- Fellow's Day. Tampa, Florida. June 24, 2011. 5 Hours.
- Foundation for Orthopaedic Research and Education Contemporary Surgical Skills Lab for Hip and Knee Arthroplasty. Tampa, Florida. October 8, 2011. 4 Hours.
- American Association of Hip and Knee Surgeons Annual Meeting. Dallas, Texas. November 4-6, 2011. 14.75 Hours
- Current Concepts in Joint Replacement. Orlando, Florida. December 8-10, 2011. 20.25 Hours.

2012 – Total CME Credits: 100.5

- International Congress for Joint Reconstruction Fourth Annual Winter Hip and Knee Course. Vail, Colorado. January 12-14, 2012. 12 Hours.
- American Academy of Orthopedic Surgeons Annual Meeting. San Francisco, California. February 7-10, 2012. 20 Hours.
- Combined Knee and Hip Society Meeting. San Francisco, California. February 11, 2012. 7.5 Hours.
- Informed: Medical Errors, Domestic Violence, Self Directed Learning. February 13, 2012. 5 Hours.
- Current Concepts in Joint Replacement. Las Vegas, Nevada. May 21-23, 2012. 12.75 Hours.
- Fellow's Day. Tampa, Florida. June 15, 2012. 5 Hours.
- Foundation for Orthopaedic Research and Education Contemporary Surgical Skills Lab for Hip and Knee Arthroplasty. Tampa, Florida. October . 4 Hours.
- American Association of Hip and Knee Surgeons Annual Meeting. Dallas, Texas. November 2-4, 2012. 14 Hours.
- Current Concepts in Joint Replacement. Orlando, Florida. December 13-15, 2012. 20.25 Hours.