

## CURRICULUM VITAE

**PERSONAL:** James R. Bresch, M.D.

**BORN:** May 25, 1963  
Pittsburgh, Pennsylvania

**PRACTICE:** Orthopaedic Surgery Specialists, Ltd.  
1550 N. Northwest Highway, Suite 220  
Park Ridge, IL 60068  
847.824.3198

Orthopaedic Surgery Specialists, Ltd.  
1009 IL Route 22 Suite 2  
Fox River Grove, IL 60021  
847.842.9366

**MEDICAL LICENSES:** Illinois  
California  
Turks & Caicos

**EDUCATION:**

Fellowship: Kerlan-Jobe Orthopaedic Clinic  
Sports Medicine Fellowship  
Inglewood, California  
August 1994 – 1995

Chief Resident: Northwestern University  
Children's Memorial Hospital  
July 1993 – January 1994

Residency: Northwestern University  
McGaw Medical Center – NMH  
Department of Orthopaedic  
Surgery  
Chicago, Illinois  
July 1990 – July 1994

Internship: Northwestern University  
McGaw Medical Center – NMH  
Department of General Surgery  
Chicago, Illinois  
July 1989 – June 1990

Medical School: Loyola University of Chicago  
Stritch School of Medicine  
Maywood, Illinois  
June 1989

College: Marquette University  
Milwaukee, Wisconsin – 1985  
B.S. (Biology)

High School: Seneca Valley High School  
Germantown, Maryland – 1981

**CERTIFICATION:**

ABOS Boards Part I – Passed July 29, 1994  
ABOS Boards Part II – Passed 1998  
ABOS Boards Recertification – Passed 2007  
ABOS Maintenance of Certification-Passed 2018  
NBME Passed Parts I, II & III (1989)

**FACULTY/OTHER  
APPOINTMENTS:**

Associate Clinical Instructor – University of Chicago Department of Orthopaedics – 2010 – present

Division Director of Sports Medicine within the Department of Orthopedic Surgery at Advocate Lutheran General Hospital – April 2011 - present.

Illinois Sports Medicine & Orthopedic Surgery Center –  
Co-founder/Board member Chairman – 2006 – present

Global Med Choices – Chief Medical Officer and Founding Board Member – 2010 - present

Knee Advisory Board; Smith & Nephew – 2009 – present

Clinical Instructor – University of Illinois at Chicago, College of Medicine, Department of Orthopaedics - 1999 – Present

Clinical Instructor – Northwestern University Medical School  
Department Of Orthopaedics - 1995 – 1999  
Good Shepherd Hospital – Surgery Steering 2001-2003  
Surgery Case Review  
Risk Management 1997-2001

Lutheran General Hospital – IPA Board, February 2002 to  
April 2004

Golf Surgical Center – Chairman Executive Committee,  
January 2004 – 2008  
Management Committee  
January 2001 – December 2003

## **SPORTS**

### **TEAM COVERAGE:**

Professional Team Coverage as Fellow:

Los Angeles Dodgers

Los Angeles Lakers

Los Angeles Kings

Los Angeles Rams

Anaheim Angels

Anaheim Mighty Ducks

College Team Coverage:

Loyola Marymount University – All teams

USC Football Program

Teams covered as a resident:

Chicago Cubs

Chicago Bulls

Chicago Bears

Consultant: New York City Rockettes Chicago performances  
1999 - 2008

Red Wings hockey organization - current

### **AFFILIATIONS:**

Lutheran General Hospital

1775 West Dempster

Park Ridge, Illinois 60068

December 1995 – Present

Golf Surgical Center  
8901 W. Golf Road  
Des Plaines, Illinois 60016  
December 1995 – Present

St. Alexius Medical Center  
1555 N. Barrington Road  
Hoffman Estates, Illinois 60194  
October 1996 – Present

Illinois Sports Medicine & Orthopedic Surgery Center  
9000 Waukegan Road  
Suite 120  
Morton Grove, IL 60053

**HONORS AND  
AWARDS:**

Phi Sigma, Biology Honor Society  
Marquette University Chapter, 1985

Invention Award  
Department of United States Army  
United States Patent No. 4,580,567  
1986

Best Video Presentation – AAOS annual meeting, 1996.  
“Posterior Rotatory Elbow Instability”

**ORGANIZATIONS AND  
SOCIETIES:**

Phi Sigma Biology Honor Society  
Marquette University, 1985.

Phi Chi Medical Fraternity  
Loyola University, 1985 - 1989.

Resident Member - American Academy of Orthopaedic Surgeons  
1989-1994

Fellow Member - American Academy of Orthopaedic Surgeons  
1994 – present.

Lake County Medical Society  
August 1995

Illinois State Medical Society  
August 1995

Chicago Medical Society  
August 1995

**PUBLICATIONS:**

Bresch, J.R., S.H. Park, C.L. Shields: "The Effects Of Laser Energy on the Shoulder Ligament." Fifth World Biomaterials Congress (A).

Pinzur, S.M., Litooy, F., Daniels, J., Arney, C., Bresch, J.R.: "Multi-Disciplinary Pre-Operative Assessment and Late Function in Dysvascular Amputees," Archives of Surgery (A).

Schweitzer, E.J., Hauer, J.M., Swan, K.G., Bresch, J.R.: "Use of the Heimlich Valve in a Compact Autotransfusion Device," Journal of Trauma, 1987 May; 27(5): 537-42.

Schweitzer, E.J., Bresch, J.R.: " Suture Needle Holder," United States Patent, Patent Number: 4,580,567, April 8, 1986.

Lillimoe, K.D., Harmon, J.W., Cogen, M., Bresch, J.R., Schweitzer, E.J.: "Cromolyn Sodium Inhibits Pentagastrin and Carbachol Stimulated Acid Secretions," Gastroenterology, 84:1231, 1982.

Lillimoe, K.D., Harmon, J.W., Johnson, M.N., Bresch, J.R.: "Indomethacin Protects Against Acid-Induced Esophagitis in Rabbits," Gastroenterology, 82:1118, 1982.

**PRESENTATIONS:**

Treatment of Pilon fractures with Ilizarov fixator, poster exhibit. AAOS annual meeting, Orlando 1995.

Posterior Lateral Rotatory Instability of the Elbow – video education. AAOS annual meeting, Atlanta 1995.

Laser capsular shrinkage procedures – Kerlan Jobe Alumni Meeting, 1995.

Arthroscopic knee cartilage procedures – Basic Science and Techniques – Grand Rounds, Northwestern University, 1996.  
Human knee cartilage transplants – Grand Rounds, Northwestern University, 1996.

Posterior Lateral Rotatory Elbow Instability. American College of Surgeons annual meeting, San Francisco, 1996.

Shoulder stabilization techniques – Grand Rounds, University of Chicago, 1997.

Treatment of lateral epicondylitis - HealthSouth Community Lecture Series, 1998.

Treatment of rotator cuff and instability patterns of the athletic shoulder – HealthSouth Community Lecture Series, Chicagoland Suburbs, 1998.

Advanced techniques of knee surgery – meniscal and cartilage transplantation, Artex Learning Center, Naples, Florida, November 1999 and March 2001.

Strategies to Improve Outcomes of Joint Replacement, Arthroscopic Cuff Repair, Arthroscopic vs. Open Treatment for Elbow Arthritis – HealthStream Education, October 2001 Symposium, Phoenix, Arizona.

Cadaver Surgical Techniques of Cartilage Transplant Meniscal and Articular Surfaces - Midwest Skills Lab, February 2002, Chicago, Illinois.

Uses of Visco Supplementation in Joint Pain, multiple site lectures - Sanofi-Synthelabo, Chicago, IL; Madison, WI; Des Moines, IA; San Francisco, CA., Detroit, MI. March 2001-2002

Advanced Shoulder Course: Arthroscopic Techniques of Rotator Cuff and Ligament Reconstruction. Arthrex Learning Center, Naples, Florida May 2002.

Cartilage Transplant of Articular and Meniscal Tissue – Grand Rounds at University of Chicago, September 2002.

Advanced Techniques in Shoulder Arthroscopy – Midwest Skills Lab, Chicago, IL. March 2003.

Lecture: State of Art in Orthopedics Advances in Shoulder Arthroscopy- HealthStream Education, Arizona. March 2003.

Hip Arthroscopy Technique and Surgical demonstration – Stryker Corp., Residents Symposium, August 2003 Chicago, Illinois.

Advanced Technique in Shoulder Arthroscopy Rotator Cuff Repair and Labral/Ligament Reconstruction with Cadaver Lab - Midwest Skills Lab, Chicago, IL. June 2003.

Minimally Invasive Surgery Uni-compartmental Knee – Lecture on Technique and Indications, Cadaveric Lab Phoenix, AZ. August 2003.

Cartilage Transplant – First International Sports Medicine and Arthroscopic Symposium, Moderator. Arthrex Learning Center. Naples, Florida January 2004.

Techniques in Minimally Invasive Knee Surgery; AAOS Annual Meeting. San Francisco, CA. 2004.

Advanced Technique in Shoulder Arthroscopy Rotator Cuff Repair and Labral/Ligament Reconstruction with Cadaver Lab; Midwest Skills Lab, Chicago, IL. May 2004

Course Instructor – Smith, Nephew & Richards Corporation for Minimally Invasive Surgery and uni-compartmental knee arthroplasty; Orlando, Florida. June 2004

Course Instructor – Smith, Nephew & Richards Corporation for Minimally Invasive Surgery and uni-compartmental knee arthroplasty; Memphis, TN. September 2004.

Course Director – Advanced knee arthroscopy, reconstruction and transplant technique. Arthrex instructional Course; Phoenix, AZ. November 2004.

Instructor - Minimally Invasive Surgery Accuris total knee arthroplasty; Las Vegas, NV May 2005

Senior Instructor Uni-compartmental/Minimally Invasive Surgery total knee course; Memphis, TN. May 2005

Surgical Instructor for Minimally Invasive knee and Accuris knee arthroscopy; May/June 2005. Surgical Instructor - Uni-compartmental knee & Deuce Lutheran General Hospital. May/June 2006

Instructor - Advanced knee reconstruction techniques. International meeting Cape Town and Port Elizabeth, South Africa September 2005

Minimally Invasive Surgery meeting/ Accuris lecture uni-compartmental knee arthroplasty and techniques. Las Vegas. October 2005

Advanced Arthroscopic Minimally Invasive Surgery total Accuris Uni-compartmental Technique Shoulder and Knee; AAOS Learning Center Rosemont, IL. December 2005

Competitor DEUCE Market Evaluation Team Meeting; Memphis, TN. September 2006

Course Chairman / Instructor - International meeting. Advanced knee reconstruction techniques and current new concepts; Cape Town and Johannesburg, South Africa. August 2006

Instructor Unicompartmental/Minimally Invasive Surgery total knee arthroplasty meeting. Cadaver lab/lectures. New Orleans 2006

Course Chairman Unicompartmental/Minimally Invasive Surgery Early intervention meeting technique and indications; Peoria, IL 2006

Course Director – Minimally Invasive Surgery Total Knee Arthroplasty Mobile Lab lecture and cadaver lab instructor; Chicago, IL. 2006

Course Director/ Instructor Advanced technique in shoulder reconstruction AAOS meeting, San Diego, CA. March 2007

Surgical Instructor – Host for visiting surgeons for live demonstration surgery; Lutheran General Hospital. March, April 2007

Course Director - Lectures and cadaveric instructor -DEUCE cadaver lab; Hoffman Estates, IL. May 2007

Course Director – DEUCE training lectures and cadaveric lab; New Jersey. May 2007



Course Director – Lectures and surgical technique with cadaveric lab; DEUCE surgeon training/meeting Gulf Breeze, FL. June 2007

DEUCE Lab and demonstration surgery; Journey DEUCE Design Rationale, Lecture and surgical instruction; Phoenix, AZ. June 2007

Journey DEUCE Bicompartmental Knee System Surgery Training Lecture and cadaveric lab; Memphis, TN. June 2007

Instructor - Journey total knee arthroplasty design rationale and instruction presentation; Memphis, TN 2007

Course Instructor for total knee arthroplasty, DEUCE knee arthroplasty Cadaver lab and meeting, Smith and Nephew Ann Arbor, MI. September 2007

Lecturer – meniscus transplant, osteoarticular transplant surgery. Session moderator – cartilage transplant session. “Knees Gone Wild”. Grand Tetons, Wyoming. September 2007  
DEUCE cadaver labs and Journey cadaver lab moderation of live surgery DEUCE. Las Vegas, NV. October 2007

DEUCE Lecture and surgical demonstration; Smith & Nephew. Miami, FL October 2007

Key opinion Leader/Evaluator as the DEUCE design team surgeon. UNI Evaluation Meeting. Memphis, TN. January 2008

Chairman, DEUCE knee instructor course. Cleveland, OH. January 2008

Lecturer/Moderator, Instructor Saw Bones Session. North American Hip and Knee Symposium. Hayden, CO. February 2008

Lecturer/Instructor - Overview of spectrum of knee arthroplasty/Saw Bones Lab (surgical demonstration). JOURNEY BCS Sales Training Course; Smith & Nephew. Memphis, TN. June 2008

Lecturer for Contemporary Solutions in Joint Surgery “CSJS” Course. JOURNEY DEUCE Design Rationale, DEUCE “Tips, Tricks & Pearls.” Smith & Nephew. Chicago, IL. August 2008

Lecturer/Instructor for CSJS Course, Alternatives to Total Knee Arthroplasty (UNI/DEUCE); Smith & Nephew. Washington DC. October 2008

Surgical Demonstration for CSJS JOURNEY Partial Knee Course; Smith & Nephew. Costa Mesa, CA. December 2008

Lecturer/Instructor for High Demand Patient Knee Course; Smith & Nephew. New Orleans, LA. May 2009.

Lecturer/Instructor Early Intervention Knee Course; Smith & Nephew. Washington DC. August 2009.

Design Team Meeting - UNI/DEUCE Tibial Summit; Smith & Nephew. Memphis, TN. August 2009.

Lecturer/Instructor for the High Demand Patient Knee Course; Smith & Nephew. Phoenix, AZ. October 2009.

Lecturer/Moderator and surgical demonstration for Knee Surgical Techniques for the Continuum of Care course; Smith & Nephew. Salt Lake City, UT. February 2010.

Moderator for CSJS Knee Surgical Techniques for the Continuum of Care course; Smith & Nephew. Las Vegas, NV. April-May 2010.

Lecturer/Instructor for CSJS Knee Surgical Solutions for the Active Arthritic Patient course; Smith & Nephew. Las Vegas, NV. March 2011.

Lecturer for the 18<sup>th</sup> North American Hip & Knee Symposium; Smith & Nephew. Phoenix, AZ. April 2011.

Narrator for VISIONAIRE Live Webcast; Smith & Nephew. Salt Lake City, UT. May 2011.

Co-Chairman for the CSJS Knee Surgical Solutions Early Intervention Cadaveric Course; Smith & Nephew. Chicago, IL. July 2011.

Lecturer/Instructor for the CSJS Knee Surgical Solutions for the Active Arthritic Patient course; Smith & Nephew. Las Vegas, NV. September 2011.

Lecturer/Instructor for the Visionaire/Journey Roadshow; Smith & Nephew. Houston, TX. May 2013

Lecturer/Instructor for the CSJS Knee Course; Smith & Nephew. Wisconsin. May 2013

Lecturer/Instructor for the CSJS Direction to Perfection: Active Knee Patient course; Smith & Nephew. Chicago, IL. August 2013.

Guest Speaker/Lecturer for the Journey/Visionaire Roadshow; Smith & Nephew. San Antonio, TX. September 2013.

Lecturer/Instructor for Global Insights: The Future of Hip & Knee Surgery; Smith & Nephew. Copenhagen, Denmark. November 2013.

Lecturer/Instructor for the CSJS Direction to Perfection: Active Knee Patient; Smith & Nephew. Tampa, FL. February 2014.

Key Opinion Leader for the 2014 Visionaire Expert Forum; Smith & Nephew. New Orleans, LA. March 2014.

Lecturer for the Journey II Roadshow; Smith & Nephew. Boston, MA. June 2014.

Lecturer/Instructor/Moderator for the CSJS The Direction to Perfection; Smith & Nephew. Rosemont, IL. September 2014.

Presenter for the Rapid Recovery/ASC TJR Surgery Panel Meeting; Smith & Nephew. Dallas, TX. November 2014.

Lecturer/Instructor for the North American Hip & Knee Symposium; Smith & Nephew. Scottsdale, AZ. April 2015

Lecturer/Instructor for the North American Hip & Knee Symposium; Smith & Nephew. New Orleans, LA. September 2015

Lecturer/Moderator/Instructor for The Continuum: Journey to ZUK; Smith & Nephew. Chicago, IL. September 2015.

Lecturer/Instructor for the CSJS Active Knee Solutions; Smith & Nephew. Las Vegas, NV. March 2016

Lecturer/Instructor for the North American Hip & Knee Symposium; Smith & Nephew. Scottsdale, AZ. April 2016

Facilitator for the Journey II TKA Roadshow; Smith & Nephew.  
Cincinnati, OH. May 2016

Lecturer/Instructor for the Journey Early Intervention Roadshow;  
Smith & Nephew. Chicago, IL. May 2016  
Consultant/Development Team for the Journey Uni  
Compartmental Knee System at the JUK Evaluation Lab; Smith &  
Nephew. Memphis, TN. May 2017

Lecturer/Instructor for the CSJS Active Knee Solutions; Smith &  
Nephew. New Orleans, LA. June 2017

Chairman for CSJS Modern Knee Solutions; Smith & Nephew.  
Chicago, IL. August 2017

Lecturer/Faculty for Modern Solutions in Joint Replacement  
Surgery; Smith & Nephew. Miami, FL. October 2018

Lecturer/Faculty for JUK LMR Kick-off Lab; Smith & Nephew,  
Memphis, TN. June 2019

Lecturer/Faculty for Knee Continuum of Care; Smith & Nephew.  
Vail, CO. June 2019

Lecturer/Faculty for North American Hip & Knee Symposium  
EAST; Smith & Nephew. Miami, FL. October 2019

Lecturer/Faculty for Knee Reconstruction US National Sales  
Meeting Breakout; Smith & Nephew. Denver, CO. February 2020

## **PREVIOUS RESEARCH**

### **EXPERIENCE AS**

#### **TECH. ASSISTANT:**

Lillimoe, K.D., Johnson, L.F., Harmon: "Role of the Components  
of the Gastroduodenal Contents in the Experimental Acid  
Esophagitis," Surgery, 92:276-284, 1982.

Harmon, J.W. et al.: "Effect of LiCl on Gastric Acid Secretion and  
the Mucosal Barrier Function," Journal of Surgical Research,  
35:152-154, 1983.

Harmon, J.W. et al.: "Bile Acids Protect Against Pepsin Induced  
Experimental Esophagitis." Gastroenterology, 84:1231, 1983.

Schweitzer, E.J. et al.: "Esophageal Mucosa: A Bile Sink in the Rabbit," Surgical Forum, 34:152-154, 1983.

Bass, B.L. et al.: "Neogut: Anatomic and Physiologic Properties of Transplanted Fetal Intestine," Surgical Forum, 34:181-183, 1983.

## **CURRENT RESEARCH**

### **ACTIVITIES:**

Lead surgeon on Development of Smith & Nephew Deuce – Bicompartamental knee arthroplasty system.

Development phase for arthroscopic meniscal repair system.

Analysis of Throwing Mechanics and Injury Patterns of Baseball Pitchers – a prospective study.

Comparison of pull of strength of fixation devices for anterior cruciate ligament reconstruction – cadaveric specimen study. Examination of the effects of laser surgery on the strength and length of the glenohumeral ligaments – Cadaveric specimen study.

Orthopaedic surgery basic science research in progress – Investigating mechanoreceptors of the glenohumeral joint – a histiologic cadaver study.

Patent pending for template to accurately determine pedicle screw size for spinal instrumentation fixation.

Patent pending for unique surgical glove designed to decrease hazardous exposure to surgeons, with minimal interference with tactile sensation of the excessive cost.

Development of surgical instrumentation for minimally invasive total knee arthroplasty.

Development of process of computer navigation – MIS knee surgery.

IRB approved investigational outcome study of Dual compartmental knee arthroscopy; A Prospective, Multi-Center, Consecutive Series Study of Patients treated with the Journey Deuce Bicompartamental Knee System Smith & Nephew – 2007 – 2013

Prospective outcome study UNI/Dual/Total knee arthroplasty patients.  
Design/ Technical development for implantation of cartilage for joint allograft.

Investigation – Exploring alternatives for cartilage transplants in osteochondral deficient joints  
Prospective study on outcomes of arthroscopic Bankart repairs with Fastack and Fiberwire fixation

IRB approved investigational study of the VISIONAIRE knee replacement; A multicenter, randomized, clinical outcome of VISIONAIRE Patient Matched Technology vs. Standard Surgical Instrumentation in Total Knee Arthroplasty – Smith & Nephew – 2010 – present

IRB approved investigational study; Follow-up of Subjects with a Journey UNI Unicompartmental Knee System Implant – Smith & Nephew – 2018 – present

**DESIGN PROJECTS:**

Lead Implant and instrument design team member – Smith & Nephew Deuce product 2005 – current

Arthrex shoulder reconstructive instrumentation 2003 – present

New independent project to alternative bearing partial knee system, Design consultant /Evaluator – Current

Panel Member for advancing MIS technique with J&J/DePuy knee arthroplasty 2005

Consultant MIS and Computer Assisted Surgery of Total knee arthroplasty – Stryker total knee 2005

Team member, Design of Minimally invasive instrument for total knee arthroplasty – Smith & Nephew 2005- current

Project member implementation of CAS and Deuce knee, Smith & Nephew

Evaluator/design consultant Pre-op custom jig manufacturer program, Smith & Nephew

**INTERESTS/**  
**HOBBIES:**

Running, Triathlon/Marathon/Duathlon  
Outdoor sports and recreation, Camping/Fishing  
Music  
Invention, Product Improvement  
Computers/Electronics  
Beekeeping  
Woodworking  
Hockey  
Hunting

Signature

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Date

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