

GEOFFREY BESSOM HIGGS, M.D.

**CONTACT
INFORMATION**

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LICENSE

Virginia: 0101224432, 1999 - Current
Texas: R4716, 2017 - Current
Washington: MD61415655, 4/14/23 - Current
New York: 185861-1, 1991, Prior
Massachusetts: 98-6618-99, 1998, Prior

CURRENT POSITIONS

**Founder and CEO of International Orthopaedic Surgery
Consultants, LLC.** June 16, 2016 to present

Chairman of the Board, Elected July 1, 2020
Fight for the Forgotten
Executive Board Member, May 2018 to present
Austin, Texas

Lieutenant Colonel (LTC)
United States Army Reserve
September 28, 2022 to present

Chief of Orthopaedic Sports Medicine
Prosser Memorial Hospital
August 30, 2023

**AMERICAN BOARD
OF ORTHOPAEDIC
SURGERY
CERTIFICATION**

Diplomat, The American Board of Orthopaedic Surgery
1997 – 2028
Score: Top 7%

Subspecialty Certification in Sports Medicine
2009 – 2028
Score: Top 7%

**POSTGRADUATE
TRAINING**

Harvard University
Massachusetts General Hospital
Fellowship: Orthopaedic Sports Medicine
Boston, Massachusetts
July 1998 – August 1999

**Major, United States Army – Active Duty Service Obligation for
Medical School Academic Scholarship at Columbia University**

Seoul South Korea 1994-1995

Heidelberg Germany 1995-1998

Taszar Hungary 1997

Columbia University

Columbia-Presbyterian Medical Center

Chief - Resident Orthopaedic Surgery (Elected Position)

New York, New York

1993-1994

Columbia University

Columbia-Presbyterian Medical Center

Orthopaedic Surgery Residency

New York, New York

1990-1994

University of California San Diego

Fellowship, Orthopaedic Surgery Research

La Jolla, California

1989-1990

Columbia University

Columbia-Presbyterian Medical Center

Internship in General Surgery

New York, New York

1988-1989

EDUCATION

Columbia University College of Physicians and Surgeons

Doctorate of Medicine

New York, New York

1985-1988

University of Virginia

School of Medicine

Charlottesville, Virginia 1st year of Medical School

1984-1985

University of Virginia

School of Engineering and Applied Science

Bachelor of Science in Systems Engineering

Charlottesville, Virginia

1978-1983

**Oxford University - Executive Leadership Programme,
First in Class,
Completed May 2020**

**UNIVERSITY
APPOINTMENTS**

**Medical College of Virginia
Clinical Assistant Professor of Orthopaedic Surgery
October 1, 2000 - 2017**

**Harvard University Medical School
Post-Doctoral Fellow in Orthopaedic Surgery
Boston, Massachusetts August 1, 1998 – August 1, 1999**

**Harvard University Health Services
Staff Orthopaedic Surgeon
Boston, Massachusetts August 1, 1998 – August 1, 1999**

**Assistant Team Physician Harvard University Athletic Teams
Boston, Massachusetts August 1, 1998 – August 1, 1999**

**Columbia University, College of Physicians and Surgeons
Post-Doctoral Fellow/Resident in Orthopaedic Surgery
New York, New York 1988-1989, 1990-1994**

**University of California at San Diego
Post-Doctoral Research Fellow in Orthopaedic Surgery
La Jolla, California 1989-1990**

**EUROPEAN
SHOULDER
FELLOWSHIP**

Professor, Dr. Med. Habil., Peter Habermeyer, M.D.
ATOS Praxisklinik-Center for Shoulder and Elbow Surgery
Heidelberg, Germany
February 1998

Stephen A. Copeland, F.R.C.S.
President-Elect, European Shoulder and Elbow Society
Consultant Orthopaedic Surgeon
Royal Berkshire Hospital
Reading, England
March/April 1998

PRIOR POSITIONS

Regional Medical Director, Orthonet Inc./Optum

October 19, 2020 to August 22, 2023

Dane Street, LLC

Orthopaedic Surgery and Physical Therapy Physician Reviewer
Austin, Texas, August 2020 – October 2024

MES Solutions, Inc.

Orthopaedic Surgery and Physical Therapy Physician Reviewer
Austin, Texas, November 2020 to present, Richland, Washington

Epriori Health, Inc.

Orthopaedic Surgery and Physical Therapy Physician Reviewer
Austin, Texas, May, 2023 to present, Richland, Washington

Arbicare, LLC

Orthopaedic Surgery and Physical Therapy Physician Reviewer
Austin, Texas, February, 2023 to present, Richland, Washington

Founder and Director of Sports Medicine and Orthopaedic Surgery

Excel Sports Medicine and Orthopaedic Institute

Plano & Austin, Texas, August 2018 – April 2020

Head Team Physician, Dallas Rattlers

Professional Lacrosse Team

Major League Lacrosse

Dallas, Texas, February 2018 to February 2020

Head Team Physician, EXOS NFL Combine Football Training Program

Frisco, Texas, January 2018 to March 2020

Chief Medical Officer

MedOne Texas

Plano, Texas, April 2018 to August 2018

Director of Orthopaedic Surgery and Sports Medicine

OrthoCare Institute

Plano, Texas, January 2018 to August 2018

Orthopaedic Consultant to United States Figure Skating Association.

Plano, Texas, July 2018 to March 2020

Head Team Physician, Dallas Revolution

Professional Arena Football Team

Frisco, Texas, January 2018 to January 2019

**Head Team Physician, Dallas Money Team
American Flag Football League**
Dallas, Texas 2018 & 2019 Seasons

Team Physician University of Texas at Dallas
Plano, Texas, January 2018 to October 2019

**Team Physician Texas Legends
NBA G League Team**
Frisco, Texas, October 2018 to October 2019

**Consultant Orthopaedic Surgeon and Engineering Expert
Witness**
**Arthrex Inc., Plaintiff vs Arthrosurface and Smith and Nephew
Defendant**
**Patent Infringement and Invalidity case tried in 2nd Federal
District Court of Texas**
June 16, 2016 – January 15, 2018

**Orthopaedic Surgeon Specializing in Sports Medicine,
Shoulder Surgery, Knee Surgery and Cartilage Restoration &
Co-Director of Sports Medicine and Shoulder at Advanced
Orthopaedics,**
Richmond, Virginia, 2000 – June 15, 2016

**Director of Sports Medicine at Advanced Orthopaedics
International Fellowship for Sports Medicine and Joint
Replacement**
Richmond, Virginia, 2001 – 2007

**PROFESSIONAL &
COLLEGIATE
ATHLETIC TEAMS -
TEAM PHYSICIAN
EXPERIENCE**

**Head Team Physician, Dallas Rattlers
Professional Lacrosse Team**
Major League Lacrosse
Dallas, Texas, February 2018 to March 2020

**Head Team Physician, Dallas Revolution
Professional Arena Football Team**
Frisco, Texas, January 2018 to January 2019

**Head Team Physician, Dallas Money Team
American Flag Football League**
Dallas, Texas 2018 Season to April 2020

Team Physician University of Texas at Dallas
 Plano, Texas, January 2018 to April 2020

Team Physician Texas Legends
NBA G League Team
 Frisco, Texas, October 2018 to October 2019

Head Team Physician, EXOS NFL Combine Football Training Program
 Frisco, Texas, January 2018 to April 2020

United States and Olympic Figure Skating
 Consulting Physician
 2018 to present
 Dallas, Texas

Team Physician, Washington Commanders
National Football League
 Preseason training camp team physician
 July 2013 – August 2016
 Richmond, Virginia

Head Team Physician – Former **Richmond Raiders Professional Arena Football Team**
 2011-2013
 Richmond, Virginia

Head Team Physician – Former **Richmond Revolution Professional Arena Football Team**
 2010
 Richmond, Virginia

Head Team Physician – Former **Richmond Bandits Professional Arena Football Team**
 2005-2007
 Richmond, Virginia

Head Team Physician - Former **Richmond Speed Professional Arena Football Team**
 2003-2004
 Richmond, Virginia

Board of Directors – **National Football Foundation and College Football Hall of Fame, Inc.**

2002 to 2016
Richmond, Virginia

Head Team Physician – **East Coast Bowl: College Football All Star Game**

2001 – 2011
Petersburg, Virginia

Team Physician **US Womens Soccer Team**
2007 – 2008

Head Team Physician – Former **Richmond Rhythm** – International Professional Basketball League
2000 – 2001
Richmond, Virginia

New England Patriots
Team Physician
1998 – 1999
Foxboro, Massachusetts

Boston Bruins
Team Physician
1998 – 1999
Boston, Massachusetts

New England Revolution
Team Physician
1998 – 1999
Boston, Massachusetts

All World Taekwondo Team
Head Team Physician
1994 – 1995
Seoul, South Korea

New York Knicks
Stadium Physician
1991 – 1994
New York, New York

New York Rangers
Stadium Physician
1991 – 1994
New York, New York

New York Yankees

Stadium Physician

1991 – 1994

New York, New York

**ADDITIONAL
TEAM PHYSICIAN
Experience**

Head Team Physician – Grandview High School

September 2, 2023 to present

Head Team Physician – Virginia High School State Football
Championship, Div. III, 2001 – 2008

Head Team Physician – Henrico High School, 2000 – 2016

Head Orthopaedic Surgeon – Highland Springs High School
2007 – present

Head Team Physician – Steward School 2012 - 2016

Head Team Physician – Richmond Lions Rugby Club – 2009 – 2016

Head Team Physician – James River Rugby Club - Men's and
Women's Sides – 2009 - 2016

Consultant Physician Benedictine High School 2005 – 2016

Consultant Physician St. Gertrude's High School 2005 – 2013

Consultant Physician Glen Allen High School 2010 – 2016

Consultant Physician New Kent High School 2008 – 2011

Military CareerLieutenant Colonel United States Army Reserve,
September 22, 2022 to PresentAttending Orthopaedic Surgeon, USA-Heidelberg MEDDAC,
Heidelberg, Germany, September 1995-July 1998Chief, Orthopaedic Surgery, 67th Combat Support Hospital
(deployed)-Operation Joint Endeavor, Tazsar, Hungary,
July/August 1996

Chief, Orthopaedic Surgery Service, 121 General Hospital,
Seoul, South Korea, June 1995-August 1995

Assistant Chief, Orthopaedic Surgery Service, 121 General
Hospital, Seoul, Korea, September 1994-May 1995

All-Army Tae Kwan Doe Team Physician, September 1994-1995

Military Awards/Decorations:

Meritorious Service Medal, September 1998
Armed Forces Service Medal, August 1996
Army Commendation Medal, June 1995
National Defense Service Medal
Overseas Service Medal, August 1995
Overseas Service Medal, February 1997
Army Service Medal, August 1994
Military Service Medal, August 1994

United States Army Reserve, December 1984-1994

Commissioned:

Major, United States Army Medical Corps, May 1994
Captain, United States Army Medical Corps, May 1988
2nd LT, United States Army Medical Corps, December 1984

Columbia University-Medical School Academic Scholarship,
United States Army, December 1984 – June 1988

HONORS/AWARDS

The Frank E. Stinchfield Award for Excellence in Orthopaedic Surgery. “For the member of the resident staff who has demonstrated special qualities of research excellence in the treatment of musculoskeletal disease.” Columbia University, July 1994

The Orren D. Baab Award for Excellence in Orthopaedic Surgery. “Presented to the member of the senior resident staff who best exemplifies those qualities of academic excellence, clinical proficiency, and capacity for leadership throughout the residency training period.” Columbia University, July 1994

Columbia University-Resident Clinical Research Award/Grant, June 1994

Best Resident Research Award, Pediatric Orthopaedic Society of New York, May 1994

Finalist, Best Resident Research, New York Academy of Medicine, May 1994

Honorable Mention Residents Paper, New Orleans Orthopaedic Clinic, April 1992

Multiple National, International and Local “Best Physician” Awards, beginning in 2000

Congressional Leadership Award, Honorary Co-Chairman, Physicians Advisory Board, for “Leadership in the area of health care reform”, 2001

Who’s Who Global, Lifetime Recognition, Top Doctor Award, “In recognition of hard work, dedication, perseverance and for demonstrating leadership and achievement in their occupation, industry or profession”

Commonwealth of Virginia, Access Now Physician Volunteer, “For compassionate and timely charity care generously provided to patients of safety net clinics serving the Greater Richmond Area. Given under my, Governor Robert McDonnell”, 2011to 2017

The Leading physicians of the World & the International Association of Orthopaedic Surgeons, Top Orthopaedic Surgeon in Virginia Award, 2011

America’s Registry of Outstanding Professionals, Top Doctor Award, “Granted to individuals who have demonstrated leadership and dedication in the profession or industry.”, 2001

American Biographical Institute, Man of the Year “Based on outstanding accomplishments to date and the noble example he has set for his peers and the entire community.”, 2003

America’s Best Physicians, Top Doctor Award, National Consumer Advisory Board, 2015, 2017, 2021

Guide to America’s Top Physicians, Top Doctor Award, Consumer Research Council of America, 2004

Emotion, American Academy of Orthopaedic Surgeons,
Selected as Exhibiting Artist, 2001

Marque's Who's Who, Top Doctor Award, 2017

Our Health, Best Bedside Manner Awards, Greater Richmond
Area, Virginia, Top Doctor in Sports Medicine, 2013

Best in Texas Magazine, Doctor Edition, Top Doctors, Sports
Medicine Specialist: 2021, 2022, 2023

Find a Top Doc, Top Orthopaedic Sports Medicine Specialist,
Austin, Texas: 2022, 2023

**FELLOWSHIP
SPORTSMEDICINE
ACTIVITIES**

Harvard University Athletic Teams
New England Patriots Professional Football Team
Boston Bruins Professional Hockey Team
New England Revolution Professional Soccer Team

**RESIDENCY
SPORTSMEDICINE
ACTIVITIES**

Chief, Yankee Stadium Physicians, New York Yankees,
1992-1994

Chief, Madison Square Garden Physicians
New York Knicks, 1992 -1994
New York Rangers, 1992 1994

Surgical Assistant, Summer Institute, American Academy of
Orthopaedic Surgeons, Shoulder and Elbow Section, New York,
New York, September 8-12, 1993

Hunter Mountain Ski Sports Medicine Clinic, 1990-1994

Captain, NYOH Ski Team, 1990-1994

Captain, NYOH Softball Team, 1990-1993

Metropolitan Athletic Congress, Meet Physician , February 1992-July
1994

Meet Physician -Sprint, Jump, and Run Championship Series,
February 1992

Meet Physician -The Coors Invitational Track Meet, New York

Road Runner's Club and MAC, May 1992

Meet Physician -New York Games, Pre-Olympic Track and Field, IAAF Mobile International Grand Prix Circuit, May 1992

Medical Director-Empire State Games, Columbia University Wien Stadium, June 1992

Medical Team Captain-New York City Marathon, 25+ Station, November 1992

Meet Physician -USMA-WestPoint, Coors/Metropolitan Athletic Congress Indoor Championships, Men's and Women's, Masters, February 1993

Basic and Advanced Microsurgical Courses, Columbia University, July 1992

MEDICAL SCHOOL

P&S Rugby Team

Student Medical Society

Medical School Representative to the University of Virginia Student Council

U.S. Army Academic Scholarship

Eastern Rugby Union Championships 1986,1987

COLLEGE

Pi Kappa Alpha Fraternity

Chairman, Founder, American Society of Engineering Management

Judge, Inter-fraternity Judiciary Committee

Sigma Delta Psi-National Honorary Athletic Fraternity

Boxing Champion, University of Virginia, 159-lb Class

Racquetball Champion, University of Virginia

Fellowship of Christian Athletes

HOBBIES

Skiing National Ski Patrol, Racquetball, Mountain biking, Outdoor activities, Sculpting Exhibited Art in San Francisco, Washington D.C., Chicago, New York, Minneapolis, Iowa, Texas and Madrid Spain. Work reproduced in two art books, The New York Times, Several Text Books, Art Calendar, Industry publications and journals. International Osteoporosis Foundation Cover, 2002

SOCIETIES and MEMBERSHIPS

Diplomat, American Board of Orthopaedic Surgeons, 1997 - present

Fellow, American Academy of Orthopaedic Surgeons, 1997 - present

Fellow, American College of Sports Medicine, 2001 - 2010
 Fellow, Arthroscopy Association of North America 1999 - present
 Fellow, American Orthopaedic Society for Sports Medicine, 1999 - Present
 International Society of Arthroscopic, Knee Surgery and Orthopaedic Sports Medicine, 2003 - present
 International Cartilage Research Society, 2016 – present
 Orthopaedic Research Society, 2016 – present
 American Academy of Regenerative Medicine, 2019 – present
 Biologic Orthopaedic Society, 2018 - present
 SOMOS Society of Military Orthopaedic Surgeons 1994(Intermittently) - present
 German-American Medical Society (Deutsch Amerikanische Medizinische Gesellschaft), 1997 - present
 38th Parallel Medical Society, November, 1994 – present
 Global Who's Who, 2011 – present
 Marquis Who's Who 2017 - present
 Diplomat, National Board of Medical Examiners, 1989 - present
 American Registry of Outstanding Professionals, 2001
 International College of Surgeons - Junior Fellow, Elected 1994
 New York State Society of Orthopaedic Surgeons, 1993
 New York County Medical Society, 1993
 Columbia University Medical Alumni Association
 University of Virginia Medical Alumni Association
 Virginia Orthopaedic Society 2000 - 2016
 Richmond Orthopaedic Club, 2000 – 2016
 Richmond Academy of Medicine, February 2000 - 2016
 Medical Society of Virginia, February 2000 – 2016
 John Jones Surgical Society - Columbia University, 1997

ORTHOPAEDIC CONSULTING

Orthopaedic Surgery and Engineering Expert Consultant
 Plaintiff Arthrex, Inc. v Defendant Parcus Medical, LLC and Anika Therapeutics, Inc. Case No.:2:22-cv-00019-JLB-NPM
 United States Federal District Court for the Middle District of Florida
 Fort Myers Division
 Hon. John L. Badalamenti
 Mag. Nicolas P.Mizell
 May, 2022 to 2024

Orthopaedic Surgeon and Engineering Consultant-Expert Witness
 Patent Infringement and Validity Plaintiff Shoulder Innovations Inc. v Catalyst Orthoscience Inc. Case No.:PGR2024-00042, U.S. United States Patent and Trademark Office

Before the Patent Office and Appeal Board

Patent No. 11,771,561

July 2024 to present

Case No.: PGR2024-00042

U.S. Patent No. 11,771,561

Conformis, Inc., Plaintiff v Depuy Synthes, Inc., Depuy Synthes Products, Inc. and Depuy Synthes Sales, Inc.

Case: Civil Action No.: 21-640-RGA

United States Federal District Court for the District of Delaware

Law firm: Irella & Manella, LLP

840 Newport Beach

California, 92660

June, 2022 to December, 2023

Deposition-Defendant, IPR Patent Case, Orthopedic Fixation Devices Smith & Nephew and Arthrocare versus Arthrex, Inc.

Case IPR2016-00918, Patent 8,821,541.

United States Federal District Court Eastern District Court of Texas

April 2016 to December 2017

Orthopaedic Surgery and Engineering Expert Consultant

Plaintiff - Orthopaedic Hospital vs Defendants - DJO Global, Inc. and DJO Finance, LLC.

Patent Infringement

United States Federal District Court Southern District of California

Case No. 3:19-cv-00970-JLLS-WVG

October 2020 to 2023

Orthopaedic Surgery and Engineering Expert Consultant

Patent Infringement and Validity

Plaintiff - Wright Medical Technology Inc. vs Defendant Paragon 28 Inc.

United States Federal District Court for the District of Colorado

October 2018 to 2023

Orthopaedic Surgeon and Engineering Consultant – Expert Witness

Patent Infringement and Validity for Defendant Medshape vs Plaintiff

Cayenne Inc., 2015-2016

Osiris Therapeutics, Inc. Biotechnology Company. Columbia, Maryland. Orthopaedic Consultant 2013-2014

Orthopaedic Surgeon consultant for the articular allograft Cartiform product

Medshape Inc. Atlanta, Georgia. Orthopaedic Consultant and

medical device designer, 2010 to 2021

Arthrosurface Inc. Orthopaedic - Consultant Lecturer, 2011 to 2018

Zimmer Biomet, Orthopaedic Device Company
Consultant for Patent Infringement, October 2018 to 2021

Arthrex Inc. Naples, Florida. Orthopaedic Surgeon and
Engineering Consultant. 2016 – 2024

Conmed Corporation. Utica, New York. Orthopaedic Consultant,
2017 to 2023

International Life Sciences, LLC (dba, Artelon). Nashville,
Tennessee. Orthopaedic Consultant, 2015 to 2019
Orthopaedic Surgeon consultant and Scientific Investigator for
Artelon a synthetic patch for soft tissue repair reinforcement

Applied Biologics, LLC – Orthopaedic Consultant, 2015 to 2018
Orthopaedic Surgeon consultant for stem cell products

Breg Bracing Inc., Scientific Advisory Board, 2000

Medpanel.com – Orthopaedic Consultant, 2000

ActiveLifeNetwork – Orthopaedic Consultant, 2000

**PROFESSIONAL
ACTIVITIES
2000 to present**

Washington Commanders Team Physician
July 2013 – August 2016

Head Team Physician – Former Richmond Raiders Professional
Arena Football Team 2011-2013

Head Team Physician – Former Richmond Revolution Professional
Arena Football Team 2010

Consultant Medshape Solutions Inc., Atlanta, Georgia 2010 –
present

Head Team Physician – Former Richmond Bandits Professional
Arena Football Team 2005-2007

Head Team Physician - Former Richmond Speed Professional

Arena Football Team 2003-2004

Co-Director AOC International Sports Medicine and Arthroplasty
Fellowship 2001 -2007

Board of Directors – National Football Foundation and College
Football Hall of Fame, Inc. 2002

Head Team Physician – East Coast Bowl: College Football All Star
Game, 2001 – 2011

Head Team Physician – Virginia High School State Football
Championship, Div. III, 2001 – 2008

Head Team Physician – Henrico High School, 2000 – 2016

Head Orthopaedic Surgeon – Highland Springs High School
2007 – present

Head Team Physician – Steward School 2012 - 2016

Head Team Physician – Richmond Lions Rugby Club – 2009 – 2016

Head Team Physician – James River Rugby Club - Men's and
Women's Sides – 2009 - 2016

Consultant Physician Benedictine High School 2005 – 2016

Consultant Physician St. Gertrude's High School 2005 – 2013

Consultant Physician Glen Allen High School 2010 – 2016

Consultant Physician New Kent High School 2008 – 2011

Team Physician US Womens Soccer Team 2007 – 2008

Head Team Physician – Former Richmond Rhythm – International
Professional Basketball League 2000, 2001

The American Journal of Sports Medicine Article Reviewer, 2002

Chairman, Department of Orthopaedics Henrico Doctors Hospital
2002-2003

Quality Council Committee – Henrico Doctors Hospital, 2002

Operative and Invasive Committee, Health South Medical Center
2000, 2001

Medical Advisory Board, Virginia Medical League 2001

Team Physician – Strawberry Hill Races – Jockeys 2001

Team Physician – Trigon Tennis Professional Tour 2000

Team Physician – Commonwealth Cup Polo Match, 2001

Trigon Healthkeepers Orthopaedic Steering Committee, 2000, 2001

PRESENTATIONS, PUBLICATIONS AND ABSTRACTS

1. An Intra-Operative Technique for Measuring Changes in Spine Contour During Correction of Scoliosis Using Cotrel-Dubousset Instrumentation. Weidenbaum M, **Higgs GB**, Otter M, Ramakrishnan HK, Masiello R, Roye DP, Van Cochren GB, & Farcy JP. North American Spine Society Meeting, New Orleans, Louisiana, February 1990
2. The Effect of Cement Penetration on the Bone-Cement Interface Membrane. Hadjari MH, Reindel E, Kitabayashi L, **Higgs GB**, & Convery FR. Orthopaedic Research Society Meeting, New Orleans, Louisiana, February 1990
3. The Effect of Bone Cement Viscosity and Penetration on the Biomechanics of the Bone-Cement Interface. Reindel ES, **Higgs GB**, & Convery FR. 7th Meeting of the European Society of Biomechanics, Aarhus, Denmark, July 1990
4. A Biomechanical Characterization of High Viscosity Acrylic Bone Cement. Reindel ES, **Higgs GB**, & Convery FR. 1st World Congress of Biomechanics, San Diego, California, August 1990
5. An Intra-Operative Technique for Measuring Changes in Spine Contour During Correction of Scoliosis Using Cotrel-Dubousset Instrumentation. Weidenbaum M, **Higgs GB**, Otter M, Ramakrishnan HK, Masiello R, Roye DP, Van Cochren GB, & Farcy JP. New York and New Jersey Medical Societies, Caribbean, February 1992
6. Superior Mesenteric Artery Syndrome After Segmental Spinal

Instrumentation. Vitale MG, **Higgs GB**, Roth N, Liebling M, & Roye DP. Scoliosis Research Society Meeting, Portland, Oregon, September 1992

7. Operative Management of Femoral Fractures in Children. **Higgs GB**, Jelsma RD, & Roye DP (presenter). New York Academy of Medicine with the New York Pediatric Orthopaedic Club, New York, New York, March 15, 1993
8. Documentation of Changes in Spine Contour During Correction of Adolescent Idiopathic Scoliosis Using an Intra-Operative Technique. **Higgs GB**, Weidenbaum M, Farcy JP, Otter M, Ramakrishnan HI, Masiello R & Van Cochren GB. The American Orthopaedic Association 26th Annual Residents' Conference, Seattle, Washington, March 17-20, 1993
9. Lateral Epicondylitis: A Proposal for Follow up of Extensor Tendon Release Without Reattachment. **Higgs GB**, Mahmud F (presenter), & Rosenwasser M. Grand Rounds at Columbia University, Department of Orthopaedic Surgery, July 1994
10. A Comparison of LumboSacral Spine Fusion with and without Instrumentation. Schwab FJ, **Higgs GB**, Nazarian D, Michelsen CB. The North American Spine Society, Keystone Colorado, 1994.
11. The Treatment of Childhood and Adolescent Femur Fractures with External Fixation. **Higgs GB**, Jelsma RD, & Roye DP. Podium Presentation, American Academy of Orthopaedic Surgeons 61st Annual Meeting, New Orleans, Louisiana, February 24-March 1, 1994
12. Total Shoulder Replacement for the Treatment of Primary Glenohumeral Osteoarthritis. Pollock RG, Weinstein DM, **Higgs GB**, Self EB, Flatow EL, & Bigliani LU. Podium Presentation, Tenth Open Meeting of the American Academy of Orthopaedic Surgeons, 61st Annual Meeting, New Orleans, Louisiana, February 24-March 1, 1994
13. The Treatment of Childhood and Adolescent Femur Fractures with External Fixation. **Higgs GB**, Jelsma RD, & Roye DP. Poster Presentation, American Academy of Orthopaedic Surgeons 61st Annual Meeting, New Orleans, Louisiana, February 24-March 1, 1994
14. Intra-Operative Determination of Spine Contour Before and After Correction of Idiopathic Scoliosis. **Higgs GB**, Schwab FJ (presenter), Weidenbaum M, Otter M, Ramakrishnan HK, Masiello R, Van Cochran GB & Farcy JPC. The American Orthopaedic Association, 27th Annual Residents' Conference, Atlanta, Georgia, March 23-26, 1994

15. Total Shoulder Replacement for the Treatment of Primary Glenohumeral Osteoarthritis. **Higgs GB**, Weinstein DM, Pollock RG, Self EB, Flatow EL, & Bigliani LU. The American Orthopaedic Association, 27th Annual Residents' Conference, Atlanta, Georgia, March 23-26, 1994
16. The Treatment of Childhood and Adolescent Femur Fractures with External Fixation. **Higgs GB**, Beim GD & Roye DP. European Pediatric Orthopaedic Society, Portugal, April 5-8, 1994
17. Osteoarthritis and Total Shoulder Replacement. **Higgs GB**, Pollock RG, Weinstein DM, Self EB, Flatow EL and Bigliani LU. New York Academy of Medicine, New York, May 25, 1994
18. Spine Contour Changes during Correction of Idiopathic Scoliosis. Higgs **GB**, Schwab FJ, Weidenbaum M and Farcy J-P. Pediatric Orthopaedic Society of New York, New York, May 26, 1994
19. Technological Innovation: The Case of Total Shoulder Replacement for Primary Osteoarthritis of the Shoulder. Vitale MG, Pollock FG, **Higgs GB**, Weinstein DM, Self EB, Gelins A, Dick HM & Flatow EL. Tenth Annual Meeting for the International Society for Technology Assessment, Baltimore Maryland, June 1994.
20. The Effects of Cement Penetration on the Bone-Cement Interface Membrane. Hadjan MH, Reindel E, Kitabayashi L, Higgs GB, Convery FR. Orthopaedic Transactions.
21. An Intra-Operative Technique for Measuring Changes in Spine Contour During Correction of Scoliosis Using Cotrel-Dubousset Instrumentation. Weidenbaum M, Higgs GB, Otter M, Ramakrishnan HK, Masiello R, Roye DP, Van Cochran GB & Farcy JP. Orthopaedic Transactions
22. Intra-Operative Determination of Spine Contour Before and After Correction of Idiopathic Scoliosis. Higgs GB, Schwab FJ, Weidenbaum M, Otter M, Ramakrishnan HK, Masiello R, Van Cochren GB & Farcy JP. Orthopaedic Transactions
23. Documentation of Changes in Spine Contour During Correction of Adolescent Idiopathic Scoliosis Using an Intra-Operative Technique. Weidenbaum M, Higgs GB, Farcy JP, Otter M, Ramakrishnan HI, Masiello R & Van Cochran GB. Submitted for Publication to Spine
24. Total Shoulder Replacement for the Treatment of Primary Glenohumeral Osteoarthritis. Higgs GB, Pollock RG, Weinstein DM, Self EB, Flatow EL & Bigliani LU. Orthopaedic Transactions

25. The Treatment of Childhood and Adolescent Femur Fractures with External Fixation. Higgs GB, Jelsma RD & Roye DP. Orthopaedic Transactions
26. Evaluation and Treatment of Acute Glenohumeral Dislocations. Higgs GB, Weinstein DM & Flatow EL. Sports Medicine and Arthroscopic Review, 1:190-201, Jan. 1993
27. An Intra-Operative Technique for Measuring Changes in Spine Contour During Correction of Scoliosis Using Cotrel-Dubousset Instrumentation. Weidenbaum M, Higgs GB, Otter M, Ramakrishnan HK, Masiello R, Roye DP, Van Cochran GB and Farcy JPC. Honorable Mention Residents Paper, New Orleans Orthopaedic Clinic, April 1992
28. Review: Anterior Capsulolabral Reconstruction of the Shoulder in Athletes. Rubenstein DL, Jobe FS, Glousman RE, Kitne RS, Pink M and Giangarva. Journal of Shoulder and Elbow Surgery, 1992; 1:229-237. Bone and Joint Diseases: Index and Reviews, March 1993; Vol. 1, No. 6, for Bigliani LU
29. Review: Residual Motion and Function after Glenohumeral or Scapulthoracic Arthrodesis. Harryman DT, Walker ED, Harris SL, Sidles JA, Jackins and Matsen FA. Journal of Shoulder and Elbow Surgery, 1993; 2(6): 275-285. Bone and Joint Diseases: Index and Reviews, March 1994; Vol. 2, No. 6 for Bigliani LU
30. External Fixation in the Treatment of Adolescent Femur Fractures. Higgs GB, Jelsma RD, & Roye DP. Submission to JPO
31. Cartilage Regeneration and Repair, Where Are We?: A Review of the Proceedings of the International Cartilage Society's Second International Symposium. Higgs GB and Boland, AL. The Harvard Orthopaedic Journal, July (1): 39-43, 1999
32. The Evaluation and Arthroscopic Treatment of Injuries of the Superior Glenohumeral Labrum. Higgs, GB and Warner JJP. The Harvard Orthopaedic Journal. July (1): 59-61, 1999.
33. Osteoarthritis and Chondral Injury in the Young Athlete: Non Operative Treatment Options. Zaslav KR and Higgs GB. The Arthritic Knee CD-ROM; The American Academy of Orthopaedic Surgeons, March 2000.
34. Surgical Shoulder Anatomy. Higgs GB, Fineberg MS and Warner JJP in Surgical Anatomy of the Upper Extremity. Philadelphia: Lippincott, Williams & Wilkins. Knoap D and Doyle JR (eds): Publication Pending 2000/2001.

35. Glenoid Resurfacing in Shoulder Arthroplasty. Higgs GB, Gill T and Warner JJP. In Seminars in Arthroplasty. Williams GR(ed). Publication 2000/2001.
36. Superior Mesenteric Artery Syndrome After Segmental Instrumentation: A Biomechanical Analysis. Vitale MG, Higgs GB, Liebling MS, Roth N and Roye DP. The American Journal of Orthopaedics; 2B(8): 461-467, 1999.
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45. Fundamental Mechanics of Interference Fixation in Anterior Cruciate Ligament Reconstruction
Kathryn E. Smith, PhD¹, Mateo Garcia^{1,2}, Kadija MacAnuff^{1,3}, Robert

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46. Guest Speaker National Football Foundation & College Football Hall of Fame High School NFL Football Summer Training Program. Richmond, VA. Summer 2011.
47. Guest Speaker National Football Foundation & College Football Hall of Fame High School NFL Football Summer Training Program. Richmond, VA. Summer 2012.
48. Anterior Cruciate Ligament Fixation: Is Radial Force a Predictor of the Pullout Strength of Soft-Tissue Interference Devices? Kathryn E. Smith, Mateo Garcia, Kadija McAnuff, Rober Lamell, Christopher M. Yakacki, Jack Griffis, **Geoffrey B. Higgs**, Ken Gall. The Knee: 2012 19: 186-792.
49. Guest Speaker National Football Foundation & College Football Hall of Fame High School NFL Football Summer Training Program. Richmond, VA. Summer 2013.
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53. Patella-Femoral Arthroplasty: Indications and Surgical Technique. Eastern Virginia Medical College. March, 2014.
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56. Total Shoulder Arthroplasty using a Resurfacing Technique: Indications, Surgical Methods and Postoperative Rehabilitation. Easton, Maryland, 2015
57. Surgical Reconstruction of The Combined Injury of The Posterior-Lateral Corner and Anterior Cruciate Ligament: Case Series and Surgical Technique. Medshape, white paper for South American Surgeons, April, 2015
58. Surgical Technique for Rotator Cuff Tear Repair Using the Artelon Synthetic Reinforcement Device. White Paper, 2015
59. Arthroplasty of the Patella Femoral Joint. Clinica del Trabajador, Santiago Chile, March 11, 2015.
60. Biomechanical Advantages of Anterior Cruciate Ligament Reconstruction Using Femoral Aperture Fixation and Tibial Interference Fixation. Clinica del Trabajador, Santiago, Chile March 11, 2015.
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62. Early Outcomes for a New Interference Fixation Technique to Salvage Femoral Posterior Wall Compromise in Anterior Cruciate Ligament Reconstruction. **Geoffrey B. Higgs, MD** and Kathryn Smith, PhD. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sportsmedicine, 10th Biennial Meeting, Lyon, France, June 7 -10, 2015.
63. Patella-Femoral Arthroplasty Cadaveric Teaching Laboratory Lecture and Surgical Technique Instruction for the Orthopaedic Sports Medicine Surgeons and Fellows at University of Virginia Department of Orthopaedic Surgery, October 28, 2015.

64. Arthrex, Inc. vs. Smith & Nephew, Inc. and ArthroCare Corp. United States District Court, Eastern District of Texas, Marshall Division Expert Witness in obtaining a verdict of infringement in favor of Arthrex, Inc. on December 9, 2016.
65. Biomechanical Comparison of a Conventional and Augmented Rotator Cuff Tear Repair. Geoffrey Higgs, MD, Kevin Collon, BS, David Kaimrajh, Edward Milne, Lars Peterson, MD, PhD, Julio Madrid, MD, Marcus Smith, Loren Latta, PhD. Lumin Health OrthoCare, Plano, Texas, University of Miami, Miller School of Medicine, Miami, Florida, Mt. Sinai Medical Center, Miami Beach & University of Miami, Department of Orthopaedic Surgery, Miami Florida. Presented at the Orthopaedic Research Society Annual Meeting, San Diego, California. March 19–22, 2017.
66. Biomechanical Comparison of Three Augmented Rotator Cuff Repair Techniques. Geoffrey Higgs, MD, Kevin Collon, BS, David David Kaimrajh, Edward Milne, Lars Peterson, MD, PhD, Julio Madrid, MD, Marcus Smith, Loren Latta, PhD. Lumin Health OrthoCare, Plano, Texas, University of Miami, Miller School of Medicine, Miami, Florida, Mt. Sinai Medical Center, Miami Beach & University of Miami, Department of Orthopaedic Surgery, Miami Florida. Presented at the Orthopaedic Research Society Annual Meeting, San Diego, California. March 19–22, 2017.
67. A New Biomechanical Methodology for Evaluating Rotator Cuff Repairs and Measuring Gaps within the Repair Site. Kevin Collon, BS, Geoffrey B. Higgs, MD, David Kaimrajh, Edward Milne, Loren Latta, PhD. University of Miami, Miller School of Medicine, Miami, Lumin Health OrthoCare, Plano, Texas, Florida, Mt. Sinai Medical Center, Miami Beach & University of Miami, Department of Orthopaedic Surgery, Miami Florida. Presented at the Orthopaedic Research Society Annual Meeting, San Diego, California. March 19-22, 2017.
68. Biomechanical Characteristics of Innovative and Standard Rotator Cuff Tear Repair Augmentation Techniques. Geoffrey Higgs, MD, Kevin Collon, BS, David Kaimrajh, Edward Milne, Lars Peterson, MD, PhD, Julio Madrid, MD, Marcus Smith, Loren Latta, PhD. Lumin Health OrthoCare, Plano, Texas, University of Miami, Miller School of Medicine, Miami, Florida, Mt. Sinai Medical Center, Miami Beach & University of Miami, Department of Orthopaedic Surgery, Miami Florida. Presented at the International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine. 11th

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70. Implantation of a Novel Cryopreserved Viable Osteochondral Allograft for Articular Cartilage Repair in the Knee. C. Thomas Vangsness Jr., MD, Geoffrey Higgs, MD, James K. Hoffman, MS, MD, FAAOS, Jack Farr, MD, Philip A. Davidson, MD, Farrell Milstein and Sandra Geraghty, PhD. Journal of Knee Surgery. 2018, July; 31(6): 528-535. Published Online July 24, 2017.
71. Clinical use of the Conmed Exoshape Femoral and Tibial Implants for Anterior Cruciate Ligament Reconstruction. Webinar – Principle Instructor. Geoffrey B. Higgs, MD. Naples, Florida. October 18, 2017.
72. Anterior Cruciate Ligament Reconstruction using the Conmed Exoshape System. Instructional Video. Geoffrey B. Higgs, MD. Conmed Corporation, Naples, Florida. October – November, 2017
73. Posterior Cruciate Ligament Reconstruction using the Conmed Exoshape System. Instructional Video. Geoffrey B. Higgs, MD. Conmed Corporation, Naples, Florida. October – November, 2017.
74. Posterior Lateral Corner Reconstruction using the Conmed Exoshape System. Instructional Video. Geoffrey B. Higgs, MD. Conmed Corporation, Naples, Florida. October – November, 2017.
75. Salvaging the Posterior Wall Blowout During Anterior Cruciate Ligament Reconstruction using the Conmed Exoshape System. Geoffrey B. Higgs, MD. Conmed Corporation, October – November, 2017.
76. Instructional Demonstration of the Medshape Eclipse Device in the Shoulder, Knee, Foot & Ankle for Medshape Inc., Mitek Sports Medicine and Brown University. Geoffrey B. Higgs, MD. Providence, Rhode Island. November 9, 2017.
77. Posterior Cruciate Ligament Reconstruction. Webex Director, Conmed

Corporation. December 11, 2017, Dallas, Texas.

78. Visiting Professor, Cadaveric Course in Anterior Cruciate Ligament Reconstruction. February 23 -24, 2018. Austin, Texas
79. ACL Reconstruction – When Things Go Bad & On field Recognition and Diagnosis. Major League Lacrosse Medical Conference 2019. Philadelphia, PA. January 10, 2019.
80. Major League Lacrosse Injury Profile and Treatment of the most Common Injuries. Andrews Institute for Sports Medicine. Plano, Texas. February 11, 2019.

Pending Research

1. Development of a mechanically-active shape-memory polymer fabric for tensioning a theoretically unrepairable tendon to restore normal physiologic properties. Phase 1 supported by a National Science Foundation Grant. Application for Phase 2 submitted to NIH. Second Author.
2. Biomechanical Evaluation of Conventional Rotator Cuff Tear Repair Compared to Artelon Reinforcement Device for Rotator Cuff Tear Repair Augmentation. Lead Author on this investigation performed in conjunction with University of Miami Orthopaedic Laboratory, 2016
3. Prospective Evaluation of Amniotic Stem Cell Application Compared to Conventional Treatment Methodologies for Young Athletic Patients with Early Osteoarthritis of the Knee. Lead Author
4. Arthroscopic Notchplasty and Manipulation Under Anesthesia for Flexion Contracture Associated with Osteoarthritis of the Knee: A Retrospective Review. 2015, Submission and presentation pending.
6. In-vivo Comparative Evaluation of the Artelon Reinforcement Device and the Graft Jacket in a Goat model.
7. A Biomechanical Characterization of a New Soft Tissue Repair Reinforcement Device.
8. A more Accurate Method for Biomechanically evaluating soft tissue

reattachment to bone.

9. Review article being prepared for Techniques in Orthopaedics for an issue on "Evolving Materials in Orthopedics.
10. Publication pending in The Journal of the Knee: Implantation of a Novel Cryopreserved Viable Osteochondral Allograft for Articular Cartilage Repair in the Knee

References Available Upon Request