JOSHUA A. SIEGEL, M.D.

Access Sports Medicine and Orthopaedics

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WORK EXPERIENCE:

- Access Sports Medicine and Orthopaedics, Exeter, New Hampshire

Director of Sports Medicine

1998-present

- Director Access Athletic Training Program, Exeter, NH

1998-present

- Medical Director Access Rehabilitation United States Olympic Committee National Rehab Network facility

Exeter, NH

July, 2003-present

Medical Director/Founder North East Surgical Ambulatory Surgical Center

Newington, NH

1998-present

Winner Top 100 Places to Work in HealthCare – Becker's ASC/Hospital Review April, 2010

Founder/Director Advantage Physical Therapy

Portsmouth, NH

2004-2007

- Anthem New Hampshire Clinical Quality Improvement Committee

Manchester, NH

September 2003- present

- Exeter Hospital Quality Committee

Exeter NH

2000-2003

- Arthroscopy Association of North America Associate Master Clinical Instructor

Comprehensive Knee Course, , Rosemont, IL, 3/2002

- Scientific Advisory Board Pegasus Biologics, Irvine, CA 2005 present
- Orthopaedic Advisory Board Axya Medical Systems, Beverly, MA

May 2000 - 2004

Orthpaedic Advisory Board – Opus Medical, San Juan Capistrano, CA

January 2003 – January 2005

- Shoulder Advisory Board - Arthrosurface Incorporated, Stoughton, MA

January 2003- present

- Medical Advisory Board Shoulder 1. Com, Cambridge, MA
- Consultant Opus Medical, 2002- 2005
- Orthopaedic Advisory Board, LeadingMD.Com, Denver, CO
- North American Arthroscopy Council Smith & Nephew
- Merck Pharmaceuticals National Orthopaedic Speaker 1998- 2004
- Associate Clinical Professor University New Hampshire, Durham, NH 1999- present
- Team Physician UNH Division I Women's Ice Hockey Team 1999-2003
- USGA Senior Golf Open Tournament Physician, Salem C.C. Salem, NH 2001
- Senior PGA BancBoston/Fleet Bank Tournament Physician 1999, 2000 Nashawtuc C.C. MA
- Philips Exeter Academy Orthopaedic/Team Physician, Exeter, NH

1998-present

- Exeter High School Team Physician, Exeter, NH

1998-present

- Portsmouth High School Team Physician, Portsmouth, NH

2004

- Winnicunnet High School Team Physician, Hampton, NH

2004-present

NCAA Frozen Four Women's Ice Hockey National Championship Tournament Physician, UNH 2002

- Volunteer Physician Staff, United States Olympic Committee, United States Olympic Training Center, Lake Placid, NY June-July 2006
- -United States Ski and Snowboard Association Team Physician 2007- present -Mont Gabriel, Quebec Nor-Am Aerial Competition 1/2008

EDUCATION:

-American Sports Medicine Institute, Birmingham, Alabama.

Fellowship in Sports Medicine – August 1997- August 1998.

Dr. James Andrews

Dr. William Clancy

-State University of New York Health Science Center, Syracuse, New York.

Department of Orthopedic Surgery

Orthopedic Residency, 1993-1997.

Dr. David Murray - Chairman.

-State University of New York Health Science Center, Syracuse, New York.

Department of Surgery

Internship in General Surgery, 1992-1993.

Dr. Frederick Parker - Chairman.

-State University of New York at Buffalo, Buffalo, New York.

School of Medicine and Biomedical Sciences, 1988-1992.

Doctor of Medicine, May 1992.

Summa cum Laude.

-Northwestern University School of Speech, Evanston, Illinois.

Bachelor of Science – Speech Communication Sciences and Disorders, 1984-1988.

Graduation with Distinction (top 5% of graduating class), June 1988.

G.P.A. - 3.8/4.0

AWARDS

Nominated "Self Made in NH Award" -NH Business Magazine May, 2011

<u>Top Sports Medicine Physician 2011- NH Magazine</u> –physician elected

best sports medicine physician in NH, April, 2011 NH Magazine

Named Top 70 Knee Surgeons in America by Becker's ASC Review December, 2010

Winner "NH Business Excellence Award" - New Hampshire Business Review, October 2010

Named Top Shoulder Specialist, Beckers ASC review July, 2009

Named - "ASC Great Physician Leader" - Becker's ASC Revie, September, 2010

Top Sports Medicine Physician 2010- NH Magazine -physician elected

best sports medicine physician in NH, April, 2010 NH Magazine

Top Sports Medicine Physician 2009- NH Magazine -physician elected

best sports medicine physician in NH, April, 2009 NH Magazine

<u>Top Sports Medicine Physician 2008- NH Magazine</u> –physician elected

best sports medicine physician in NH, April, 2008 NH Magazine

Top Sports Medicine Physician 2007- NH Magazine -physician elected

best sports medicine physician in NH, April, 2007 NH Magazine

<u>Top Sports Medicine Physician 2005- NH Magazine</u> –physician elected

best sports medicine physician in NH, April, 2005 NH Magazine

<u>Top Sports Medicine Physician 2002- NH Magazine</u> –physician elected

best sports medicine physician in NH, April, 2002 NH Magazine

Most Outstanding Research Award, American Academy of Pediatrics.

Orthopedic Division, Boston, MA, October 1996.

Summa Cum Laude, SUNY Buffalo School of Medicine, 1992

Alpha Omega Alpha Medical Honor Society, Epsilon Chapter, 1991.

Dean's Letter of Commendation, SUNY Buffalo School of Medicine.

Awarded in first, second, third, and fourth year.

Research Award, SUNY Buffalo School of Medicine Research Forum, 1990.

Third place award in field of 82 Student projects for research involving snowboard injuries.

Douglass S. Riggs Award, SUNY Buffalo Pharmacology Department, 1990.

Awarded for best overall performance in pharmacology course.

Dean's Scholarship Award, SUNY Buffalo School of Medicine, 1988-1992.

Academic scholarship awarded for undergraduate academic excellence.

Graduation with Distinction, Northwestern University School of Speech, 1988.

Awarded for graduating in top 5% of class.

Mortar Board Senior Honor Society, Northwestern University, 1987.

Awarded for academic performance and community service.

Dean's List, Northwestern University School of Speech, 1984-1988.

CERTIFICATION:

American Board of Orthopaedic Surgery Board Certified, 2000

Fellow American Academy of Orthopaedic Surgeons

Member American Orthopaedic Society for Sports Medicine

Member Arthroscopy Association of North America

Member American Sports Medicine Institute Fellowship Society

Member American College of Sports Medicine

Member Eastern Orthopaedic Association

RESEARCH:

Focal Inlay Resurfacing in Localized Defects of the Femoral Condyle in Middle-Aged Patients: Prospective, Multicenter, One and Two Year Results – A. Schepsis, J. Uribe, A.Amendola, J.Siegel, D.Moss, F Flandry, J Zvijak,, R.Litchfiled, M Froimson. R.Parker, A. Miniaci, : Abstract to be presented at ISAKOS Congress Osaka, Japan, 2008

FDA trials for Arthrosurface knee resurfacing Prosthesis 2004- present

<u>HemiCAP prosthesis as an alternative to Hemiarthroplast of the shoulder</u> – Developing the protocol and chief investigator of a new prosthesis. Exeter, NH, June 2003- present

<u>Absorbable Rotator Cuff Patch</u> – development and testing of new bioabsorbable patch to fix retracted, chronic rotator cuff tears – Smith & Nephew, Mansfield, MA 2001

Electroblade development: Simultaneous coagulation and resection technology. Cadaveric and animal arthroscopic Research and Development, Tufts Veterinary Hospital, MA and Mansfield, MA

Clinical Investigator, Electroblade, Smith & Nephew, Andover, MA 2002

Clinical Investigator - the "Digital Operating Suite", Smith & Nephew, Andover, MA 2001- present

Weld Strength of Monofilament Polypropylene Sutures in Shoulder Arthroscopic Repairs, Axya medical, Beverly, MA

<u>Fray Characteristics of various Suture anchors on Monofilament and Braided Suture</u>, Axya Medical, Beverly, MA. <u>Ultrasonic welding of monofilament suture</u>, Access Sports Medicine and Orthopaedics, Exeter, NH

<u>REVERT Test: Resisted Valgus External Rotation Test in Patellofemoral pain syndrome.</u> American Sports Medicine Clinic, Birmingham, Alabama

<u>Physeal Reaction to Absorbable Bone Pins</u>. State University of New York Health Science Center, Syracuse, New York, 1995.

Joshua Siegel MD, Robert Cady MD, Gregory Mathien MD

Presented at American Academy of Pediatrics 1996.

Awarded Most Outstanding Research Paper – Orthopedic Division.

<u>Hamstring versus Patellar Tendon Grafts: Comparing Recovery Time and Strength Difference in Anterior Cruciate Ligament Reconstruction.</u> Vail Center for Orthopedics and Sports Medicine, Vail, Colorado, 1990.

Performed in conjunction with Dr. John Gottlieb, Vail Center for Orthopedics and Sports Medicine, Vail, Colorado, 1990.

<u>Snowboard Injuries: Assessing Frequency and Types of Injuries Incurred in the Sport of Snowboarding.</u> Vail Center for Orthopedics and Sports Medicine, Vail, Colorado, 1990.

Performed in conjunction with Dr. Peter Janes, Vail Center for Orthopedics and Sports Medicine, Vail, Colorado, 1990.

PRESENTATIONS AND PUBLICATIONS:

<u>Focal Anatomic Resurfacing of the Femoral Condyle:Preliminary Results</u> - John William Uribe, MD Coral Gables FL, Annunziato Amendola, MD Iowa City IA, Joshua A Siegel, MD Exeter NH, Frederick C Flandry, MD ColumbusGA, Robert Buonnano, MD, Robert B Litchfield, MD London ON Canada, Anthony Miniaci, MD,FRCSC Cleveland OH, Anthony Alberto Schepsis, MD Boston MA - American Academy of orthopaedic

Surgeons annual meeting, San Diego, CA 2007

<u>Shoulder Articular Cartilage Options</u> – Faculty Speaker, 10th Annual Boston Shoulder and Sports Symposium, Boston, MA, October 2005

Shoulder Pathology Update – Invited Guest Speaker, NH annual Adjuster's Meeting, Manchester, NH, October, 2005

<u>Advances in Shoulder Arthroscopy</u> - AAOS Smith &Nephew Analyst meeting presentation, AAOS meeting, Washington, D.C. Feb, 2005

Shoulder injuries – Merck sponsored talk, Buffalo, NY, June, 2003

<u>Workplace Injuries of the shoulder</u> – North East Occupational Health Nurse Association annual meeting featured speaker, Portsmouth, NH, June, 2003

<u>Shoulder Injury Update</u> – Eastern Athletic Trainers Association National Meeting, Boston, MA, January, 2003 Throwing Injuries to the Shoulder - Merck National Lecture Series, Newburyport, MA December, 2002

Shoulder injuries in the workplace - Case Worker Nurse Association Meeting, Exeter, NH, November, 2002

<u>Update: Shoulder pathology</u> – Merck National Lecture Series, Ogunquit, ME, August, 2002

Electroblade –clinical update – Arthroscopy Association of North America April 26, 2002

Clinical Investigation on the Efficacy of a combined RF and Mechanical Resection Device in an Arthroscopic

<u>Animal Model</u> - Arthroscopy Association of North America meeting, Washington, D.C. April, 2002 <u>Electroblade</u>. A New technology <u>Platform</u>. American Academy of Orthopaedic Surgery, Dallas, TX, Feb, 2002 Electroblade, Simultaneous coagulation and resection in Arthroscopic Surgery. National Sales meeting, Fort

Lauderdale, FL January, 2002

<u>Suture Welding using AxyaWeld Device</u>, Course Chairman, Orthopaedic Learning Center, Rosemont, IL, May, 2001

<u>The Advantages of Ultrasonic welding of monofilament suture</u>, Seattle, WA, Arthroscopy Association of North America, April, 2001

<u>SLAP Lesions in the Throwing Athlete,</u> New Hampshire Athletic Training Association Meeting, Manchester, NH, May, 2001

<u>The use of Cox-2 Inhibitors in pre-emptive Analgesia</u>, Merck sponsored lecture, Exeter Inn, Exeter, NH March 2001 The Throwers Shoulder: Exeter Hospital, Exeter, NH March 2001

Evaluation of the Shoulder Joint Complex. University of New Hampshire, Durham, New Hampshire.

Athletic Training Educational Lecture Series, March 2000.

ACL Injuries and the Female Athlete. Exeter Hospital, Exeter, New Hampshire

Physician Lecture Series, November 1999

Head and Neck Trauma. University of New Hampshire, Durham, New Hampshire.

Athletic Training Educational Lecture Series, November 1999

<u>Arthroscopic Procedures in Thrower's Elbows.</u> American Sports Medicine Institute, Birmingham, Alabama. 16th Annual Injuries in Baseball Course, January 1998.

Pelvic Injuries in Sports. American Sports Medicine Institute, Birmingham, Alabama.

ASMI Fellows Sports Conference, November 1997.

<u>Physeal Reaction to Absorbable Bone Pins.</u> State University of New York Health Science Center, Syracuse, New York, 1995.

Joshua Siegel MD, Robert Cady MD, Gregory Mathien MD

Presented at American Academy of Pediatrics 1996.

Awarded Most Outstanding Research Paper – Orthopedic Division.

Grand Rounds Presentations. State University of New York Health Science Center, Syracuse, New York.

Rheumatoid Forefoot – Pathophysiology and Treatment, 1993.

Humerus Shaft Fractures, 1994.

Effects of Bracing the ACL Deficient and Reconstructed Knee, 1994.

Anterior Cruciate Ligament Rehabilitation, 1995.

Current Treatment Modalities for Pediatric Fractures of the Distal Humerus, 1995.

SLAP Lesions, 1995.

Posterior Shoulder Instability, 1996.

Rotator Cuff Disorders in Athletes, 1996.

<u>Snowboard Injuries</u>. Research presented in poster format at SUNY Buffalo School of Medicine Student Research Forum, 1990.

Awarded third place in field of 82 student research projects.

<u>Snowboard Injuries</u>. Research presented to the International Skiing and Safety Society at Semiannual Skiing and Trauma Meeting, Thredbo, Australia, June 1991.

Presented by Jerry Finken of the Vail Center for Orthopedics and Sports Medicine.

BUSINESS DEVELOPMENT:

- -Founder Access Sports medicine and Orthopaedics 1998
 - -Named Business of the Year, Exeter Area Chamber of Commerce March, 2010
 - -Named "100 Places to Work in Healthcare" Becker's ASC -Review/Becker's Hospital Review, April, 2010
 - -Named "One of 20 Orthopaedic Practices with Great Sports Medicine Programs" Becker's Orthopaedic and Spine Review, September, 2010
- -Founder/ Owner Northeast Surgical Care 2^{nd} freestanding physician owned ASC in NH, November, 2000
 - -Receives AAAHC Accreditation, May, 2010 Accreditation Association for Ambulatory Healthcare
- -Named one of the 100 "great places to Work in healthcare" Beckers ASC Review January, 2009 -Founder Access Open MRI Center May, 2005
 - 1st ACR (American college of radiology) accredited office based open MRI in NH 2009
- -Pegasus Biologics- 2009 developed and patented first biologic arthroscopically deliverable collagen scaffold for rotator cuff repairs. FDA approved.
- -Arthrosurrface FDA Trial for knee resurfacing prosthesis
- -Opus Medical Reimbursement consultant for new suture anchor and arthroscopic rotator cuff repair system
- .-Arthrosurface developed protocol and named chief investigator for shoulder CAP prosthesis study
- -Smith & Nephew Digital OR development

Orthopaedic director for development of first digital OR

- --Smith & Nephew -Rotator Cuff Bioabsorbable Patch development,
- -Axya Medical Systems Ultrasonic applications in orthopaedic Surgery.

Development of products utilizing Ultrasonic energy for suture welding and anchoring of torn tissues.

-Smith & Nephew Electroblade

Testing the mechanical debridement and coagulation effects of a novel shaver blade for use in arthroscopic surge

-LeadingMD.com

Orthopaedic advisory and content board for orthopaedic specific web sites

-Shoulder1.com

Medical advisory board for shoulder surgery web site

-Merck Pharmaceutical

Orthopaedic Clinical Consultant

QUALIFICATIONS:

Team Physician/Consultant:

United States Ski and Snowboard Association Physician 2007-present

US Olympic Committee Volunteer Physician, US Olympic Training Center, Lake Placid, NY 2006

NCAA Frozen Four Women's Ice Hockey National Championship Tournament Physician, UNH 2002

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USGA – Senior United States Golf Association U.S. Open Players Tournament Physician, Salem, MA 2002

PGA - Players tournament physician Fleet/BancBoston Senior PGA tournaments -1999-present

University of New Hampshire Women's Ice Hockey Consultant, Durham, NH, 1999-present

NH Freedom team Physician – Women's Professional Football League

Seacoast Hawks Semi-professional Football Team, Portsmouth, NH, 1999-present

Phillips Exeter Academy, Exeter, NH, 1998-present

Exeter High School, Exeter, NH 1998- present

Portsmouth High School, Portsmouth, NH 2004- present

Winnicunnet High School, Hampton, NH 2004-present

University of Western Alabama, Livingston, AL, 1997

Mortimer Jordan High School, Birmingham, AL, 1997

Nottingham High School Football Resident Team Physician, Syracuse, NY, 1995.

National Athletic Testing Program:

Exclusive administrator and provider of comprehensive athletic testing program to regional high schools, colleges, semi-professional teams, and national teams 2000-2002

ImPact Concussion program administrator -Access Sports medicine and orthopaedics

Team Physicals:

Seacoast Area New Hampshire High Schools 1998-present

Samford University, Birmingham, AL, 1997.

Troy State, Troy, AL, 1997.

Birmingham Southern College, Birmingham, AL, 1997

University of Western Alabama, Livingston, AL, 1997

New York State Senior Games Volunteer Physician, Cortland, NY, 1994

RELATED EXPERIENCE:

Get a Leg Up: The Hows and Whys of Knee and Ankle Injuries. Appalachian Mountain Club Magazine Interview July/August 2003

Fox Sports Net Featured Physician – Women's Sports Injuries, Fox Sports Network Broadcast August 2002

New Hampshire Magazine Fall, 2002 – featured sports injury prevention physician

Featured Physician on NH Public Television for Guatemala Mission

Guatemala Charity Mission; Visiting Surgeon, Guatemala, October 1999

Assistant Staff Writer; Seacoast Newspapers, New Hampshire, 1999-Present

-ACL injuries and the female athlete

-"Hit with your head up" Catastrophic cervical spine injuries in football players

-Creatine supplementation and athletic performance

Contributing Writer; Sports Illustrated Women, 2000

Contributing staff writer; Granite Sports Magazine

Back Injuries, Winter, 2003

Shoulder injuries in Spring Athletes, Spring 2002

Skier's thumb and winter sports injuries, Winter 2002

Knee Health post Surgery, Summer, 2001

ORGANIZATIONS:

American Orthopaedic Society for Sports Medicine Arthroscopy Association of North America American Academy of Orthopaedic Surgery New England Orthopaedic Society National Orthopaedic Education Society Alpha Omega Alpha Medical Honorary Society New Hampshire Medical Society

North American Arthroscopy Council