

CURRICULUM VITAE
FREDRIC A. KLEINBART, M.D.

UNDERGRADUATE EDUCATION

School: University of Pennsylvania
Location: Philadelphia, PA
Degree: Bachelor of Arts
Attendance: September 1978 - May 1982
Honors: magna cum laude

MEDICAL EDUCATION

School: University of Pennsylvania School of Medicine
Location: Philadelphia, PA
Degree: Doctor of Medicine (M.D.)
Attendance: August 1982 - May 1986

POST GRADUATE TRAINING

Internship

Type: Surgical
Location: State University of New York at Downstate
Brooklyn, New York
Attendance: July 1986 - June 1987

Residency

Type: Orthopaedic Surgery
Location: Kingsbrook Jewish / Beth Israel Medical Centers
New York, New York
Attendance: July 1987 - June 1991

Fellowship

Type: Sports Medicine
Location: Temple University Hospital
Philadelphia, Pennsylvania
Attendance: July 1991 - June 1992

AWARDS, GRANTS AND HONORS

1983 American Heart Association Grant re: Development of a Monoclonal Chicken
Muscle Intermediate Filament Protein Antibody
1990 Mercer Rang - Martin Freunlich Award for Best Original Research Paper
1992 Arthroscopy Association of North America Finalist - Best Research Paper
1992 Philadelphia Sports Medicine Society's First Annual Academic Excellence
and Research Award

BOARD CERTIFICATION

American Board of Orthopedic Surgery

Part I July 1991
Part 2 July 1994
Re-certified March 2003
Re-certified July 2013 thru 2024

Sports Medicine Subspecialty June 2013

LICENSURE INFORMATION

New Jersey 25MA05617500
Pennsylvania MD043806L
New York Inactive

ACADEMIC APPOINTMENTS

Associate Professor

Sept 2006-May 2018

Department of Orthopaedic Surgery
Drexel University College of Medicine
Philadelphia, Pennsylvania

Clinical Assistant Professor

July 1995-2005

Department of Orthopaedic Surgery
University of Medicine and Dentistry New Jersey
New Brunswick, New Jersey

Clinical Instructor

July 1991-June 1992

Department of Orthopaedic Surgery Temple University
School of Medicine Philadelphia, Pennsylvania

ADMINISTRATIVE APPOINTMENTS

Director, Sports Medicine Hahnemann University Hospital Jan 2006-2011

Accomplishments as Director of Sports Medicine:

Developed and founded the first resident arthroscopy and bio-skill lab in
Philadelphia

Co-founder Surgical Engineering Initiative- collaboration across university lines to
promote the transfer of basic science research into clinical products

Established the sports medicine curriculum for both the orthopaedic residency
and the non-operative sports medicine fellowship, Drexel University /
Hahnemann hospital

PROFESSIONAL EMPLOYMENT

Mercer Bucks Orthopaedics
2A Princess Road, Suite 200
Lawrenceville, NJ 08648
Nov 2011-Present

Hahnemann Multi-Specialty Services
Department of Orthopaedic Surgery
245 N. 15th Street, MS #420
Philadelphia, Pennsylvania 19102
Jan 2006-Nov 2011

Orthopaedic Institute of Sports Medicine, PA
303 George Street, Ste 105
New Brunswick, NJ 08901
July 1997-Dec 2005

Michael L. Silverstein, MD, PA
130 Easton Avenue
New Brunswick, NJ 08901
July 1991-July 1997

HOSPITAL APPOINTMENTS

St. Mary's Hospital- Langhorne, PA
Capital Health Hospitals- Trenton, NJ
Robert Wood Johnson Hospital- Hamilton- Hamilton, NJ
Lower Bucks Hospital, Bristol, PA
Mercer County Surgical Center- Lawrenceville, NJ
St. Christopher's Hospital for Children- Philadelphia, PA
Summit Surgical Center- Voorhees, NJ
Barix Hospital - Oxford Valley, PA
Abington Memorial Hospital - Abington, PA
Hahnemann University Hospital- Philadelphia, PA
Warminster Hospital Surgical Center- Warminster, PA
Nov 2011-Present
Nov 2011-Present
Nov 2011-Present
Nov 2017-Present
Nov 2011-Present
Jan 2008-Present
Jan 2008-2011
Nov-2011-Feb 2016
Dec 2007-2011
Feb 2006-2011
Feb 2006-2007

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| Robert Wood Johnson University Hospital- New Brunswick, NJ | July 1992-2006 |
| Saint Peter's Hospital New Brunswick, NJ | July 1992-2006 |
| Temple University Hospital- Philadelphia, PA | July 1991-1992 |
| St. Christopher's Hospital for Children- Philadelphia, PA | July 1991-1992 |
| Shriner's Hospital (Consultant)- Philadelphia, PA | July 1991-1992 |

SOCIETY MEMBERSHIPS

National

American Board of Orthopedic Surgeons, Fellow
 American Academy of Orthopaedic Surgeons
 Arthroscopy Association of North America
 American Association of Ringside Physicians
 American College of Sports Medicine

Local

Pennsylvania Orthopaedic Society
 Philadelphia Orthopaedic Society
 Philadelphia Orthopaedic Society for Sports Medicine

BOARD OF TRUSTEES

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|---------------------------|-----------|
| Princeton Ballet School | 2006-2009 |
| American Repertory Ballet | 2006-2009 |

OLYMPIC EXPERIENCE

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|---|------|
| Orthopaedic Surgeon - US Olympic Training Center San Diego, CA | 2003 |
| Ringside Physician-US Olympic Boxing Eastern Regional Finals-Atlantic City, NJ | 1996 |

ORTHOPAEDIC HEAD TEAM PHYSICIAN

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|---|-------------|
| Drexel University | 2006-2011 |
| Philadelphia University | 2009- 2011 |
| Penn State Abington | 2009-2011 |
| Germantown Academy | 2009-2011 |
| Highland Park High School | 2003-2009 |
| New Brunswick High School | 1995 - 1996 |
| NJ Panthers, National Minor Football League | 1995 - 1996 |
| Perth Amboy High School | 1995 - 2006 |
| Piscataway High School | 2000 - 2006 |
| St. Joseph High School | 1996 - 2006 |
| Temple University, Assistant Team Physician | 1991 - 1992 |
| Woodbridge Township High School | 1995 - 2006 |

ORTHOPAEDIC TEAM CONSULTANT

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|-----------------------------|-------------|
| JP Stevens High School | 2003 - 2006 |
| Metuchen High School | 1997 - 2006 |
| Middlesex Community College | 1994 - 2006 |
| South River High School | 1995 - 2006 |

NATIONAL RINGSIDE PHYSICIAN

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| USA Boxing, Eastern Regional Finals Lake Placid, New York | 1997 |
| USA Boxing, State Championship New Jersey | 1996, 1997 |
| Professional Championship Boxing Atlantic City, New Jersey | 1996 |

RESEARCH GRANTS

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|---|-------------------|
| <i>GOAL/1 Collaborative Research: Functionalized Nanodiamond Reinforced Biopolymers for Microporous Surgical Fixation Devices</i> | Jul 2009-Jul 2011 |
| National Science Foundation | |

Surgical Engineering Enterprise

Nov 2007-Oct 2012

Drexel University College of Medicine

Strategical Planning Initiative: Joint technology transfer between

Department Surgical Engineering and Biotechnology

Department of Tissue Engineering

Department of Orthopaedic Surgery

*AMA Grant: Development Biology of Chicken
Neuronal, Muscle and Connective Tissues*

July 1978-May 1983

Department of Anatomy

University of Pennsylvania, Philadelphia

Department of Immunology

June 1976-Sept 1978

Albert Einstein Hospital

Philadelphia, Pennsylvania

NATIONAL TEACHING / LECTURES

Associate Master Instructor AANA-Shoulder Course

June 2008

Associate Master Instructor AANA-Resident Course

June 2008

Associate Master Instructor AANA-Donnie Knee Course

Nov 2008

Associate Master Instructor AANA-Shoulder Model Course

Nov 2009

Associate Master Instructor AANA-Resident Course

Aug 2010

Associate Master Instructor AANA-Resident Course

Aug 2011

Associate Master Instructor AANA-Resident Course

2012

Associate Master Instructor AANA-Shoulder Course

2012

Associate Master Instructor AANA-Resident Course

Oct 2013

PRESENTATIONS

- 2011 *Bio-testing of Poly-l-lactic acid hydroxyapatite porous bone scaffolds.*
Q Zhang, W Zhang, J Augustin, D Yao, D Wotton, F Kleinbart, N Johanson, K Wasko, P Lelkes, and J Zhou
American Society of Mechanical Engineers (accepted)
- Feb 2009 *Temporal Relationship Between Knee Arthroscopy and Arthroplasty: A Quality Measure For Joint Care*
N Johanson, F Kleinbart, D Cerynik, K Ong, E Lau, S Kurtz Orthopaedic Research Society 2009 Annual Meeting
Podium Presentation (Las Vegas, NV)
- Oct 2008 *Senior Sports Medicine*
FA Kleinbart
Reading Hospital
Podium Presentation (Reading PA)
- Nov. 2008 *Conditioning and Strength Training in Adolescents*
Pediatric Update
FA Kleinbart
Virtua Hospital
Podium Presentation (Voorhees, NJ)
- April 1999 *Arthroscopic Electrocautery Capsular Shrinkage for Shoulder Instability. A Preliminary Report*
FA Kleinbart and B Bernstein
Arthroscopy Association of North America Annual Meeting, Poster Presentation (Vancouver BC)

May 1997 The Efficacy of Ambulatory AGL Reconstruction Using Local Analgesia

E Aronowitz and FA Kleinbart

American College of Sports Medicine Annual Meeting,
Podium Presentation (Colorado Springs, CO)

Feb 1995 *Neuronhistology of the Subacromial Space*

TB Soifer, HJ Levy, F Miller-Soifer, FA Kleinbart and E Bryk

American Academy of Orthopaedic Surgeons Annual Meeting,

Podium Presentation (Orlando, FL)

Apr 1994 *An Anatomical Study of the Medial and Lateral Meniscal Roots and Its Relevance to*

Meniscal Transplant

FA Kleinbart, L Brezenoff, PA Marchetto and RA Moyer

Arthroscopy Association of North American Annual Meeting

Podium Presentation (Orlando Florida)

Neuronhistology of the Subacromial Space

TB Soifer, HJ Levy, F Miller-Soifer, V Vigorita, FA Kleinbart and

Bryk, E Arthroscopy Association of North America Annual Meeting, Podium
Presentation (Orlando, FL)

Jun 1992 *An Anatomical Study of the Medial and Lateral Meniscal Roots and its Relevance to*

Meniscal Transplant

FA Kleinbart and RA Moyer Philadelphia Sportsmedicine Society, Podium Presentation
(Philadelphia, PA)

Apr 1992 *Endoscopic Carpal Tunnel Release: An Anatomic Study*

H Levy, TB Soifer, FA Kleinbart and Bryk, E

Arthroscopy Association of North America Annual Meeting, Podium Presentation (Boston,
MA)

Apr 1992 *Neural Elements of the Transverse Carpal Ligament*

TB Soifer, H Levy, FA Kleinbart and E Bryk

American Orthopaedic Association Annual Resident Meeting, Podium Presentation
(Kansas City, KS)

Feb 1992 *A Histological Comparison of Posterior Cruciate Ligaments Harvested from Arthritic and Age-Controlled Knee Specimens*

FA Kleinbart, V Vigorita, J Evangelista and WN Scott Orthopaedic Research Society
Annual Meeting, Poster Presentation (Washington, DC)

Feb 1992 *Endoscopic Carpal Tunnel Release: An Anatomic Study*

H Levy, TB Soifer, FA Kleinbart and Bryk E

American Academy of Orthopaedic Surgeons Annual Meeting, Poster
Presentation (Washington, DC)

Apr 1991 *A Histological Comparison of Posterior Cruciate Ligaments Harvested from Arthritic and Age-Controlled Knee Specimens*

FA Kleinbart, V Vigorita, J Evangelista and WN Scott

American Orthopaedic Association Annual Resident Meeting, Podium Presentation
(Kansas City, KS)

Apr 1991 *Opening Wedge Valgus Tibial Osteotomy with Staple Fixation for Adolescent Tibia Vara*

FA Kleinbart, F D= Ambrosioand E Bryk

American Orthopaedic Association Annual Resident Meeting, Podium Presentation
(Kansas City, KS)

Mar 1991 *The Infrapatellar Branch of the Saphenous Nerve and its Relevance to Medial Meniscal Repair*

R Meyerson, FA Kleinbart and E Bryk

American Academy of Orthopaedic Surgeons Annual Meeting, Podium Presentation
(Anaheim, CA)

Dec 1990 *The Role of the Posterior Cruciate Ligament in Total Knee Arthroplasty*

FA Kleinbart

Brooklyn Orthopaedic Society, Podium Presentation (Brooklyn, NY)

Apr 1990 *Total Elbow Arthroplasty in Rheumatoid Patients*

FA Kleinbart and E Bryk

Brooklyn Orthopaedic Society,

Podium Presentation (Brooklyn,

NY)

Feb 1990 *Septic Dislocation of the Hip in Children*

FA Kleinbart and M Schneider

Brooklyn Orthopaedic Society

Podium Presentation (Brooklyn, NY)

Apr 1988 *Tibia Vara-Blount's Disease*

FA Kleinbart and E Bryk

Brooklyn Orthopaedic Society,

Podium Presentation (Brooklyn, NY)

PUBLICATIONS

1. NA Johanson, J Litrenta, JM Zampini, FA Kleinbart, HM Goldman. *Surgical treatment options in patients with impaired bone quality.* Clin Orthop Relat Res. Vol 469, pp 2237-47, 2011
2. NA Johanson, FA Kleinbart, DL Cerynik, JM Brey, KL Ong, E Lau, SM Kurtz: *Temporal Relationship Between Knee Arthroscopy and Arthroplasty: A Quality Measure for Joint Care* Journal of Arthroplasty, Vol 26, pp 187-191, 2011

3. E Aronowitz and FA Kleinbart: *The Efficacy of Ambulatory AGL Reconstruction Using Local Analgesia*. Orthopaedics. Vol 21, pp 781-784, 1999
4. FA Kleinbart, V Vigorita, J Evangelista, WN Scott and E Bryk: *A Histological Comparison of Posterior Cruciate Ligaments Harvested from Arthritic and Age-Controlled Knee Specimens*. Journal of Arthroplasty. Vol 11, pp 726-31, 1996
5. TB Soifer, HJ Levy, FM Soifer, FA Kleinbart, V Vigorita and E. Bryk: *Neuronhistology of the Subacromial Space*. Journal of Arthroscopy, Vol 12, pp 182-86, 1996
6. FA Kleinbart, RA Moyer, and PA Marchetto. *The Medial and Lateral Menisci Roots and Their Relevance to Meniscal Transplant*. Journal of Arthroscopy, Vol 10, p 341, 1994
7. RA Moyer, BP Boden, PA Marchetto, FA Kleinbart and JD Kelly: *Acute Compartment Syndrome of the Lower Extremity Secondary to Muscle Injury*. Foot and Ankle, Vol 14. Pp 534-37, 1993
8. H Levy, TB Soifer, FA Kleinbart and E. Bryk; *Endoscopic Carpal Tunnel Release*. Journal of Arthroscopy, Vol 9 pp 1-4, 1993
9. FA Kleinbart, V Vigorita and E Bryk: *Paget's Disease of the Patella: An Interesting Case Report*. The American Journal of Knee Surgery, Vol 5, pp 91-93, Spring 1992
10. FA Kleinbart, V Vigorita, J Evangelista, WN Scott and E Bryk: *A Histological Comparison of Posterior Cruciate Ligaments Harvested From Arthritic and Age-Controlled Knee Specimens*. Orthopedic Transactions, Vol 16, p 583, Spring 1992
11. H Levy, TB Soifer, FA Kleinbart and E Bryk: *Endoscopic Carpal Tunnel Releases: An Anatomic Study*. Orthopedic Transactions. Vol 16, p 321, Spring 1992

12. TB Soifer, H Levy, FA Kleinbart, V Vigorita and E Bryk: *Neuroanatomy of the Transverse Carpal Ligament*. Orthopedic Transactions, Vol 16, p 336, Spring 1992
13. R Meyerson, FA Kleinbart and E Bryk: *The Infrapatellar Branch of the Saphenous Nerve and its Relevance to Medial Meniscal Repair*. American Journal of Sports Medicine (accepted with revision), 1992
14. FA Kleinbart, F D'Ambrosio and E Bryk: *Opening Wedge Valgus Tibial Osteotomy with Staple Fixation for Adolescent Tibia Vara*. Orthopedic Transactions, Vol 15, p 642, Fall 1991
15. R Meyerson, FA Kleinbart and E Bryk: *The Infrapatellar Branch of the Saphenous Nerve and its Relevance to Medial Meniscal Repair*. Orthopedic Transactions, Vol 15, p 796, Fall 1991
16. GS Bennett, SJ Tapscott, FA Kleinbart, PB Antin and H Holtzer: *Different 10nm Filament Proteins in Cultured Chick Neurons and Non-Neuronal Cells*. Science, 212:567-69. 1981
17. SJ Tapscott, GS Bennett, Y Toyama, FA Kleinbart and H. Holtzer: *Intermediate Filament Proteins in the Developing Chicken Spinal Cord*. Developmental Biology, 86:40-54, 1981
18. GS Bennett, SJ Tapscott, PB Antin, FA Kleinbart and H. Holtzer: *10nm Filament Subunits in Chicken Neural Tissue*.

BOOK CHAPTERS

FA Kleinbart and H McElroy: *Orthopaedic Low Back, Hip, and Leg Injuries in Dancers*. In *Performing Arts Medicine*. R. Sataloff, editor. 2009

S Kenan and FA Kleinbart: *Tumors of the Shoulder Girdle. Musculoskeletal Oncology. A Multidisciplinary Approach*. MM Lewis, editor. 1991

BIOGRAPHICAL INFORMATION

Date of Birth June 4, 1960
Place of Birth Philadelphia, Pennsylvania
Married, wife Cyndi Three children: Zachary, Carly, & Emily

INTERESTS

Reading, golf, carpentry and travel