

CURRICULUM VITAE

Khaled J. Saleh, BSc, MD, MSc, FRCS(C), MHCM
Professor and Chairman of Orthopaedic Surgery
Director of Clinical and Translational Research
Southern Illinois University, Springfield

I. Personal Data

Mailing Address

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Citizenship: Canadian, American

II. Education

Year

Degree

Institution

2009	MSc in Health Care Management	Harvard School of Public Health, Executive Prog
1998	FRCS(C) Canada	University of Toronto
1996	Masters of Science (HSR)	McMaster University
1991	Doctor of Medicine	University of Western Ontario, London, Ontario
1987	Bachelor of Science	University of Western Ontario, London, Ontario

III. Post-Graduate Education

Year	Degree/Program	Institution
2007-09	MSc in Health Care Management	Harvard School of Public Health
1998-99	Clinical Fellow: Adult Reconstruction	University of Cornell Medical College Hospital for Special Surgery
1998-99	Research Fellow: Health Services Research	American Academy of Orthopaedic Surgeons Orthopaedic Research & Education Foundation
1997-98	Clinical Fellow: Lower Extremity Reconstruction	University of Toronto Mount Sinai Hospital
1997-98	Research Fellow: Health Services Research	Medical Research Council of Canada
1994-95	Research Fellow - Master of Science: Health Research Methodology	University of McMaster
1992-97	Orthopaedic Resident: Fellow Royal College of Surgeons	University of Toronto
1991-92	Rotating Internship	University of Western Ontario
1987-91	Doctor of Medicine	University of Western Ontario

HSPH Masters of Health Care Management Postgraduate Courses Completed 2007-2009	
HCM 702	Marketing
HCM 731	Competitive Strategy
HCM 706	Physician Leadership
HCM 755	Provider Payment Systems
HCM 709	Communication Skills for Managers
HCM 719	Financial Transactions and Analysis
HCM 720	Cost Accounting and Control Systems
HCM 778	Skills & Methods of Health Care Negotiation & conflict Resolution
HCM 701	Organizational Behavior
HCM 703	Perspectives in Public Health Policy
HCM 732	Operations Management in Service Delivery organizations
HCM 704	Managing Information in Health Care
HCM 757	Quality Improvement and Quantitative Methods in Quality
HCM 722	Financial Management of Health Care Organizations

Masters of Public Health Postgraduate Courses Completed 1994-95	
MS 702	Biostatistics
MS 721	Fundamentals of Clinical Epidemiology
MS 722	Special Topics in Clinical Epidemiology
MS 730	Research Methods
MS 737	Economic Analysis for the Evaluation of Health Services
MS 787	Fundamentals of Health Economics

IV. Academic Appointments

Month-Year	Appointment	Institution
July 2009-Present	Professor and Chairman of Orthopaedic Surgery	Southern Illinois University
	Director of Clinical and Translational Research	Southern Illinois University
November 2007-June 2009	Preceptor Master of Physician Assistant Program	Eastern Virginia Medical School
July 2007-June 2009	Professor with Tenure Department of Orthopaedic Surgery	University of Virginia
	Division Head, Adult Reconstruction Department of Orthopaedic Surgery	University of Virginia

	Fellowship Director, Adult Reconstruction Department of Orthopaedic Surgery	University of Virginia
	Adjunct Professor Department of Public Health Sciences	University of Virginia
July 2004-June 2007	Associate Professor with Tenure Department of Orthopaedic Surgery	University of Virginia
	Division Head, Adult Reconstruction Department of Orthopaedic Surgery	University of Virginia
	Fellowship Director, Adult Reconstruction Department of Orthopaedic Surgery	University of Virginia
	Adjunct Associate Professor Department of Public Health Sciences	University of Virginia
July 2002-July 2004	Associate Professor with Tenure Department of Orthopaedic Surgery	University of Minnesota
July 2003-June 2004	Adjunct Associate Professor School of Public Health Division Health Services Research & Policy	University of Minnesota
July 2002-March 2003	Faculty Department of Physician Assist Studies	Augsburg College
July 2001-June 2003	Adjunct Assistant Professor School of Public Health Division Health Services Research & Policy	University of Minnesota
August 1999-June 2002	Assistant Professor Department of Orthopaedic Surgery	University of Minnesota
July 1998-July 1999	Clinical Instructor	Hospital for Special Surgery Cornell University Medical College New York, NY

July 1997-July 1998

Clinical Instructor

University of Toronto
Mount Sinai Hospital
Toronto Canada

V. Other Employment Pertaining to Current Professional Appointments

July 2009 Southern Illinois University School of Medicine, Springfield, IL

July 2004- June 2009 University of Virginia Health System, Charlottesville, VA

August 1999-June 2004 Attending Physician, Veterans Affairs Medical Center
Department of Orthopaedic Surgery, Minneapolis, MN
Attending Physician, Fairview-University Medical Center
Department of Orthopaedic Surgery, Minneapolis, MN

July 1998-July 1999 Associate Staff, Hospital for Special Surgery, New York, NY

July 1998-July 1999 Associate Staff, New York Hospital, New York, NY

Associate Staff, Memorial Hospital for Cancer & Allied Diseases

July 1997-July 1998 Associate Staff, Mt. Sinai Hospital, Toronto, Ontario

July 1992-1998 Associate Staff, Alexander Marine Hospital, Goderich, Ontario

VI. Certification and Licensure

A. Certification

Board	Date	Number
Fellow American College of Surgeons	2004	03089025
Diplomat, American Board of Orthopaedic Surgeons	2002	N/A
Fellow of The Royal College of Surgeons of Canada	1998	473097
Licensure Medical Council of Canada	1991	73850
American Board of Medical Specialties	2006	N/A
National Provider Information	2007	1881735280

B. Licensure

State	Date	Permanent/Temporary	Number
Illinois Board of Medicine	2009	Permanent	036123197
Virginia Board of Medicine	2004	Permanent	0101236266
State Medical Board of Ohio	2004	Permanent	084419
Minnesota Board of Medical Practice	1999	Permanent	41526
DEA Registration	1999	Permanent	BS6216419

New York State Education			
Department Permit Number	1998		P00244
Fellow of The Royal College of Surgeons of Canada	1998	Permanent	473097
Commonwealth of Pennsylvania College of Physicians & Surgeons	1993	Permanent	MD051208-L
Medical Council of Canada	1991	Permanent	63748
			0394353

VII. Honors and Awards

- 2008 Keynote Speaker: Mexican Association of General Surgery. Veracruz, Mexico.
- 2008 National Associate of the National Research Council of the National Academies
- 2008 Keynote Speaker, 3rd Annual Conference of The British Society for Computer Aided Orthopaedic Surgery. Glasgow, Scotland.
- 2007 Institute of Medicine, Roundtable of Evidence Based Medicine – Metrics Project. Washington, DC
- 2007 National Academies Keck Futures Initiative (NAKFI) Planning Committee. “Aging and Longevity.” Irvine, CA.
- 2007 America’s Top Orthopedists, Consumers’ Research Council of America.
- 2006 Stein-Finerman Lecturer, Johns Hopkins Department of Orthopaedic Surgery, Clinician Scholar. Baltimore, MD.
- 2006 Presidential Speaker Annual Dale Daniel Orthopaedic Symposium. Palm Desert, CA.
- 2006 Corn Lecturer, Philadelphia Orthopaedic Society. Philadelphia, PA.
- 2004 COST Award (European Co-operation in the field of Scientific and Technical Research) 533 European Biotribology Network, Amsterdam, Holland.
- 2004 Best Paper Prize EFORT (Netherlands)
- 2003 Department of Orthopaedic Surgery, UMN Resident Teacher of the Year Award
- 2003 American Orthopaedic Association: American/British/Canadian (ABC) Exchange Fellowship
- 2002 Nominated Teacher of the Year by UMN Medical Students
- 2002-04 Jahnigen Career Development Scholars Award
- 2001 Nominated Teacher of the Year by UMN Medical Students

- 2001 American Orthopaedic Association: North American Traveling Fellowship
- 2001 Herz Faculty Teaching Development Award, UMN
- 2000-06 OREF Career Development Award
- 2000 Minnesota Orthopaedic Society Research Award
- 1998 AAOS/OREF Health Services Research Outcomes Award
- 1997 Medical Research Council of Canada Outcomes Award
- 1997 Canadian Orthopaedic Residents Association Outstanding Paper
- 1996 University of Toronto, T.R. Sullivan Memorial Award for Scientific Excellence
- 1991 Doctor of Medicine, University of Western Ontario with honors
- 1988 Departmental Surgical Pathology Scholarship, University of Western Ontario
- 1987 Ontario Graduate Scholar
- 1986 National Science and Engineering Research Council of Canada Scholarship
- 1983 Academic Entrance Scholarship, University of Western Ontario Honors
- 1983-87 Dean's Honor List, Faculty of Science (U.W.O.)
- 1983 Ontario Scholar, Presented by Bette Stephenson, Minister of Education

VIII. Professional Affiliations (including offices held)

Year	Organization
	American Academy of Orthopaedic Surgeons 99290
2007	AAOS Member Representation to Guide Development of Hip Fracture Repair Evidence Report with AHRQ.
2007-Present	Agency for Healthcare Research and Quality: Quality Indicators, Validation Project
2006	International Joint Replacement Registry
2006	Device Identification Issues – Task Force
2006	Institute of Medical Sciences: The Learning Healthcare System
2006	AHRQ/AAOS Patient Confidentiality Issues 3/16
2004-Present	American Joint Replacement Registry
2004-Present	Centre Disease Control/ Arthritis Foundation: Quality Indicators Development Project

2003	AAOS TKA consensus Conference
2003	AHRQ/AAOS Conferences on Racial and Ethnic Disparities in Musculoskeletal Medicine
2001-2008	Guidelines/Evidence Based Medicine/Health Services Research
2006-Present	American Association of Hip & Knee Surgeons Evidence Based Committee
2008	American College of Physician Executives 11391029
2007-2011	American Orthopaedic Association AOA 2663 Chair: American British Canadian Traveling Fellowship Committee
2007-2009	Clinical Trials Task Force
2005-2009	Academic Leadership Committee
2004-Present	American British Canadian Traveling Fellowship Committee
2004-Present	Chair: Taskforce on Chair Burnout
2003-2005	Academic Issues Committee
2005	Association of Bone Joint Surgeons 31691
1991-Present	Canadian Medical Association 022991
1992-Present	Canadian Orthopaedic Association A02398
1998-Present	College of Physicians and Surgeons of Ontario 63748 Examiner, Medical Council of Canada Qualifying Examination
2004-Present	Eastern Orthopaedic Association
1998-Present	Fellow of the Royal College of Physicians and Surgeons of Canada 0473097
2004-Present	Fellow American College of Surgeons 03089025
2003-2004	Hennepin Medical Society
2007-Present	Institute of Medicine Roundtable on Evidence-Based Medicine Metrics Working Group
2000-Present	International Society of Arthroscopy, Knee Surgery & Orthopaedic Sports Medicine 5882
1997	Medical Council of Canada 73850 Examiner, Medical Council of Canada Qualifying Exam, Part II
1999-2004	Minnesota Board of Medical Practice 41526

1999-2004 **Minnesota Medical Association**

Minnesota Orthopaedic Association
2002-2004 Board of Governors
2000 Program Co-chair, Minnesota Orthopaedic Association

National Academies Keck Futures Initiative (NAKFI)
2008 National Associate
2007 Aging and Longevity
2006 Smart Prosthetics

Ontario Medical Association 039-4353
1998 Faculty Examiner, Ontario Medical Association International Medical Graduates
1992 V.P., Professional Association of Interns & Residents of Ontario Medical Association (Victoria Hospital)

Orthopaedic Research Society 182811
2007 Hip and Knee Reviewer

Orthopaedic Research and Education Foundation (OREF) 1000002688
2008-Present OREF Kappa Delta Selection Committee
2006-Present Task Force Co-Chair, Industry Research Review Committee
2005-Present Clinical Research Award Selection Committee
2004-Present Corporate Committee
2004-Present Clinical Research Fellowship Committee
2001-2004 Grant Peer Review Committee
2001 OREF Bristol Myers Foundation Career Development Award Committee

SICOT
2001 Young Surgeons Committee

Twin City Orthopaedic Society
2001 Co-Chair, Twin Cities Orthopaedic Society

Honorary Membership
2003 British Orthopaedic Association
2003 New Zealand Orthopaedic Association

IX. Advocacy

May 2007 Comment to the Docket – FDA Conflict of Interest Guidance
March 2006 AHRQ Open Public Meeting – Patient Safety and Quality Improvement Act, PSO Development
12/2002- 11/2003 NIAMS/Office of Medical Applications of Research (OMAR) Consensus Development TKA

- | | |
|------|--|
| 2007 | AHRQ.Representative to Guide Development of Hip Fracture Repair Evidence Report with |
| 2002 | Agency for Healthcare Research and Quality: Quality Indicators, Validation Project |
| 2004 | Centre Disease Control/ Arthritis Foundation: Quality Indicators Project |

X. Diversity

Presentations

2003 Moderator: AHRQ Conferences on Racial and Ethnic Disparities in Musculoskeletal Medicine

Publications

1. Holtzman J, **Saleh KJ**, Kane R. Effect of baseline functional status and pain on outcomes of total hip arthroplasty. *J Bone Joint Surg Am.* 2002 Nov;84-A(11):1942-8.
2. Holtzman J, **Saleh KJ**, Kane R Gender differences in functional status and pain in a Medicare population undergoing elective total hip arthroplasty. *Med Care.* 2002 Jun;40(6):461-70.
 Comment on:
 - *Med Care.* 2002 Jun;40(6):451-60.
 - *Med Care.* 2002 Jun;40(6):461-70.
 - *Med Care.* 2002 Jun;40(6):471-6.

XI. Areas of Research Interest

- Health Policy
- Cost-Benefit Analysis/Cost-Effectiveness Analysis/Cost Utility Analysis
- Evidence Based Practices/Guidelines Development
- Public Health and Patient Safety Projects
- Clinical Operations Improvement Projects
- Health Technology Assessment
- Multi-Center Clinical Trials

XII. Current Projects

- Lead and Develop Innovative and Measurable Programs Aimed at Improving Patient Safety, Quality of Care, and Health Outcomes
- Develop Initiatives with Specific Emphasis on Process Redesign, Clinical Transformation and the Development of Evidenced Based Clinical Protocols
- Leverage Clinical Information Systems to Help Guide Clinical Process Redesign, Compliance with Core Measures and Other Quality Indicators as well as Public Reporting Requirements
- Forming A State-Wide Joint Replacement Registry
- Multi-Center Study Predicting Outcomes Following Knee Replacement
- Multi-Center Study Predicting Outcomes Following Knee Revision Surgery Replacement
- Validating A New Lower Extremity Activity Scales

- Biomechanics of Knee Replacement
- Avascular Necrosis Biologic Interventions
- Using EMR to Track Implants
- Assessing Pain Ratings as a Predictor of Patient Satisfaction Following Surgery
- Managing and Optimizing Operating Room Efficiency
- Patient Safety Implementing a Cultural Change in Academic Medical Centers
- Creating Center of Excellence in Orthopaedics: The 6 Ws

XIII. Teaching Activities (20%)

A. Classroom, Seminar, or Teaching Laboratory:

2009 Lectures	
Acetabular Osteolysis	Principles in Revision THA
Femoral Osteolysis	Pre-Op Planning Revision THA
Severe Varus Knee	Exposures in THA
Severe Valgus Knee	Exposures in Revision THA
Charcot's Knee Joint	Pre-Op Planning in Revision TKA
DDH	Principles in Revision TKA
Recurrent Dislocation following THA	Exposures in Revision TKA
Arthroplasty Case Conference THA in Fused Hip	The Dysplastic Hip
Severe Knee Flexion Deformity	Recurrent Dislocation in THA
Case for Unicondylar Knee Arthroplasty	Complications in THA
Case for Simultaneous Bilateral TKA	Acetabular Reconstruction in Revision THA
Proximal Femoral Osteotomy	Femoral Reconstruction in revision THA
Ganz Periacetabular Osteotomy	Gap Balancing in TKA
Septic Loosening following THA	Complications of TKA
Failed Hemiarthroplasty	The painful TKA
Case for Hip Surface Replacement	Techniques in Valgus Knee
Proximal Femoral Replacement	Patellar in Revision TKA
Distal Femoral Replacement	Cemented vs Cementless in Revision TKA
Flexion Instability in TKA	Alternate Bearing Surface in THK
Arthrofibrosis in TKA	The Difficult Hip
Structural Acetabular Allograft	Pre-Operative Planning in TKA
Acetabular Reconstruction Cage	Techniques in Varus Knee
Pre-Op Planning in THA	Technique in Valgus Knee

2008 Lectures	
Failed Rotating Platform	Infected THA
Failed PCL Retaining	Component Selections in Revision THA
Tantalum Patella	Complications of Revision THA
Fracture Tibial Base Plate in TKA	Unicondylar Knee Arthroplasty
Fracture Femoral Stem in THA	Indications/Joints
Metal-Backed Patellar	Infected TKA

Osteolysis in Uncemented TKA	Osteotomy around the knee
Articulating Antibiotics Spacer	Constraint in Revision TKA
Tantalum Augmentation	Periprosthetic Fracture in THA
Case for the Big Head	Osteolysis
Role of Jumbo Cup	Osteoporosis
Revision TKA following UKA	Periacetabular Osteotomy
Revision TKA following PTO	Femoral Osteotomy in Degenerative Hip
Protrusio Acetabuli	Periprosthetic Femur Fracture in TKA
Greater Trochanteric Osteotomy	Periprosthetic Tibial Fracture in TKA
Knee Osteonecrosis	Periprosthetic Patellar Fractures in TKA
High Hip Center	Simultaneous Bilateral TKA
Distal Femoral Varus Osteotomy	Bony Reconstruction in Revision TKA
TKA after Patellectomy	Minimally Invasive THA
Proximal Tibial Osteotomy	Current Concepts: The Big Head in THA
Periprosthetic Femur Fracture	Heterotopic Ossification in THA
Aseptic Loosening of the Femur	DVT in Total Joints Arthroplasty
Aseptic Loosening of the Cup	Osteotomy around the Knee
THA in Fracture Acetabulum	Complications in Revision TKA
Classification of Bone Defect in TKA	Minimally Invasive in TKA: Current Concepts
Extensor Mechanism Rupture	Computer Assisted in TKA: Current Concepts
Patellar: Remove vs Retain	Extensor Mechanism Failure in TKA
Simultaneous Bilateral THA	

The seminars last for one hour and focus on various aspects of hip and knee surgery. A series of cases are discussed focusing on the hip and knee. Responsibility is 80% of all sessions.

B. Clinical Teaching (in ward, clinic, OR):

Year	Whom	Where	Length
University of Virginia			
2007-2009	Physician Assistant Students	Clinic	12 hours/week
		OR	16 hours/week
2004-2009	Medical Students	Clinic	12 hours/week
		OR	16 hours/week
2004-2009	Residents	Clinic	12 hours/week
		OR	16 hours/week
		Didactic	2.5 hours/week
2004-2009	Fellows	Clinic	12 hours/week
		OR	16 hours/week
		Didactic	2.5 hours/week
University of Minnesota			
2000-2004	Medical Students	Clinic	12 hours/week

		OR	16 hours/week
		Didactics	2 hours/week
2000-2004	Residents	Clinic	12 hours/week
		OR	16 hours/week
2000-2004	Fellows	Clinic	12 hours/week
		OR	16 hours/week

Other

2001	Year IV Family Practice Lecture: Multi-Specialty Approach to Back Pain
2001	Contributor Clinical Skills Committee
2001	Education Process Initiatives Task Force
2000-2004	Lower Extremity Lecture (given annually - 2 hours)
2000-2004	Observerships in OR (4 hours per month)
2000-2004	Nursing Observerships and Lower Extremity Lectures (given annually)
2000	Co-Created, www.WebCT3.umn.edu for In Med 6203 Instruct Course Lectures, cases and notes for Year II, Med School (over 1500 pages)
2000	Member of the Undergraduate Minnesota Medical Curriculum Committee
1999-2003	Co-Director, Year II In Med 6203 Instructional Course (26 hours/year) Devised Organ Based Musculoskeletal Pathophysiology Course

XIV. Teaching Activities other than classroom or clinical, including teaching of undergraduate (pre-baccalaureate), graduate, and postdoctoral students and continuing education. Stipulate if you supervise activity.

A. Conferences, Grand Rounds, Journal Clubs, etc:

Year Type of Activity

2004-2009 Journal Club

The arthroplasty journal club is held the 3rd Thursday of each month for one hour and I supervise 80% activities.

Courses Chaired and Continuing Medical Education for Orthopaedists

2009 Controversies and Techniques in the Surgical Management of Patellofemoral Disease. 2009 Annual AAOS Meeting. Las Vegas, NV. February 26, 2009.

- 2009 The Total Knee Infection: From Prevention to Treatment. 2009 Annual AAOS Meeting. Las Vegas, NV. February 27, 2009.
- 2008 Chair, 9th Annual Advances in Arthritis, Arthroplasty, and Trauma Course. Crystal Gateway Marriott, Arlington, VA. September 10-13, 2008. (40 Hrs CME)
- 2008 Course Director, Expertise in Orthopaedic Navigation 2008. Arlington, VA. September 9-10, 2008.
- 2008 Moderator: Controversies in the Treatment of Patellofemoral Arthritis. 75th Annual AAOS Meeting, San Francisco, CA, 2008. March 5-9, 2008. (2.0 Hrs CME)
- 2008 Moderator: Clinical Outcomes Research. Orthopaedic Research Society Annual Meeting, San Francisco, CA, 2008. March 4, 2008.
- 2007 Emerging Best Practices in Preventing Surgical Site Infections, Chair. Kimberly-Clark New Technologies in SSI Prevention in Orthopedic Surgery Meeting, McLean, VA. October 19-20, 2007.
- 2007 National Academies Keck Futures Initiative (NAKFI) Moderator. The Future of Human Healthspan Steering Committee. Irvine, California. November 14-16, 2007.
- 2007 Chair, 8th Annual Advances in Arthritis, Arthroplasty, and Trauma Course. Crystal Gateway Marriott, Arlington, VA. September 27-30, 2007. (40 Hrs CME)
- 2007 Moderator: Controversies in the Treatment of Patellofemoral Arthritis. 74th Annual AAOS Meeting, San Diego, CA, 2007. February 14-18, 2007. (2.0 Hrs CME)
- 2007 Benchtop to Bedside: Examining the Barriers Between the Research Laboratory and the Clinical Setting. 74th Annual AAOS Meeting, San Diego, CA. February 14-18, 2007.
- 2006 Moderator: National Academies Keck Futures Initiative (NAKFI). "Smart Prosthetics: Exploring Assistive Devices for the Body and Mind: Arthritis." Irvine, California. November 9-11, 2006.
- 2006 National Academies Keck Futures Initiative (NAKFI) Moderator. "Smart Prosthetics: Exploring Assistive Devices for the Body and Mind: Arthritis." Irvine, California. October 5-6, 2006.

- 2006 Co-Chair, 6th Annual Advances in Surgical Technology, Hip and Knee Reconstructive Surgery. Grand Hyatt, New York. November 30-December 2, 2006. (24 Hrs CME)
- 2006 Co-Director, 3rd Annual Smith & Nephew Resident's Course, Memphis, TN. May 19-21, 2006.
- 2006 Chair, 7th Annual Arthroplasty Course: Hip, Knee, Shoulder, and Foot & Ankle Surgery. Georgetown, Washington, DC. September 14-16, 2006. (30 Hrs CME)
- 2006 Chair, 6th Annual Arthroplasty Course: Hip, Knee, Shoulder, and Foot & Ankle Surgery. Minneapolis, MN. May 11- 13, 2006. (30 Hrs CME, UVA)
- 2005 Co-Chair, 5th Advances in Surgical Technology, Hip and Knee Reconstructive Surgery. Grand Hyatt, New York, NY. December 1-3, 2005. (22 Hrs CME)
- 2005 Stress Management In Effective Leadership Symposium. AOA 118th Annual Meeting. Huntington Beach, CA. June 21-26, 2005 (1.5 Hrs CME)
- 2005 Chair, 5th Annual Arthroplasty Course: Hip & Knee Surgery. Minneapolis, MN. June 3-5, 2005. (23 Hrs CME, UVA)
- 2004 Chair, University of Minnesota 4th Annual Arthroplasty Course– Knee: Ligament and Arthritis Surgery. Minneapolis, MN. (24.25 Hrs CME)
- 2004 Chair Outcomes: Clinical Application of Evidence Based Medicine (2.0 hrs). Symposium: AAOS San Francisco, CA. (1.5 Hrs CME).
- 2004 Patella-Femoral Arthritis Symposium. AOA 117th Annual Meeting. Boston, MA. June 23-26, 2004. (1.5 Hrs CME)
- 2003 Evidence Based Practice. AAOS 70th Meeting Symposium Program, New Orleans, LA. (2 Hrs CME)
- 2003 Chair, University of Minnesota 3rd Annual Arthroplasty Course - Primary Hip (16 Hrs CME)
- 2002 Co-Chair, Arthroplasty, 32nd Annual Orthopaedic & Trauma Seminar - Hennepin County (28 Hrs CME)
- 2002 Chair, University of Minnesota 2nd Annual Arthroplasty Course - Revision Knee (12 Hrs CME)
- 2001-2002 Chair, University of Minnesota Annual Arthroplasty Course (8 Hrs CME) - Revision Hip

B. Teaching Committees:

2000-2004 ACGME Committee, University of Minnesota
1996-1998 Examiner, Ontario Medical Association International Graduates
1996-1998 Examiner, Medical Council of Canada Qualifying Examination

C. Student Counseling:

Medical Students Mentored – University of Virginia

2007-2008 Harris S. Slone, University of Virginia
2007-2008 David Rion, University of Virginia
2007-2008 Chris Coleman, University of Virginia
2007 Erik Lovria, University of Virginia
2006 Check Tran, University of Virginia
2006 Ken Illingworth, University of Tennessee
2005-2006 John Shields, University of Virginia
2004-2007 Mohamed Moussa, University of Minnesota

Medical Students Mentored – University of Minnesota

Kevin J. Broder, University of Minnesota
2003-2004 Tyler Bailey, University of Minnesota
2003-2004 Stephanie Cintora, University of Minnesota
2003-2004 Todd R. Gengerke, University of Minnesota
2003-2004 Daniel J. Marek, University of Minnesota
2002-2004 Gaurav Khanna, University of Minnesota
2002-2004 Alex Stricker, University of Minnesota
2002-2004 Timothy Moran, University of Minnesota
2002-2004 Amit Kachalia, University of Minnesota
2001-2003 Tammy Comstock, University of Minnesota
2001-2003 Kevin Young, University of Minnesota
2001-2002 Marc Newell, University of Minnesota

Undergraduate Mentorship

2002-2004 Undergraduate Research Opportunities Program
2002 Life Sciences Undergraduate Research Program
2000 Multi-Cultural Undergraduate Mentor Program, University of Minnesota

D. Formal Study to Improve Teaching Abilities:

Saleh KJ, Messner R, Axtell S, Harris I, Mahowald ML. Development and evaluation of an integrated musculoskeletal disease course for medical students Bone Joint Surg Am. 2004 Aug;86-A(8):1653-8.

Undertook study to assess best methods to improve musculoskeletal teaching and compared small group, lectures and hands on practicum.

E. Current Research Concerning Teaching:

- Assessing Stress and Burnout in Academic Leadership in Orthopaedics

F. Bibliography Concerning Teaching and Mentoring:

Saleh KJ and Kane R. Ethics in practice: Resident training. *J Bone Joint Surg* 2000;82-A,10:1510-1.

Saleh KJ, Messner R, Axtell S, Harris I, Mahowald ML. Development and evaluation of an integrated musculoskeletal disease course for medical students *Bone Joint Surg Am.* 2004 Aug;86-A(8):1653-8.

Cross WW 3rd, **Saleh KJ**, Wilt TJ, Kane RL. Agreement about Indications for Total Knee Arthroplasty. *Clin Orthop Relat Res.* 2006 May;446:34-39.

Messner R, **Saleh KJ***, Chappius D, Mahowald M. "Musculoskeletal Medicine and Organ-Based. Teaching Approach." Central Region Group on Educational Affairs Assoc of American Medical Colleges of American Medical Colleges Spring Conference. Minneapolis, MN, March 15-18, 2001.

Quick JC, **Saleh KJ**, Sime WE, Martin W, Cooper CL, Quick JD, Mont MA. Stress Management Skills for Strong Leadership: Is It Worth Dying For? *J Bone Joint Surg (A).* 2006 Jan; 88(1):217-25.

Saleh KJ, Quick JC, Conaway M, Sime WE, Martin W, Hurwitz S, Einhorn TA. The Prevalence and Severity of Burnout Among Academic Orthopaedic Departmental Leaders. *J Bone Joint Surg (A).* 2007 Apr;89(4):896-903.

Saleh KJ, Quick JC, Sime WE, Novicoff WM, Einhorn TA. Recognizing and Preventing Burnout Among Orthopaedic Leaders. *Clin Orthop Relat Res.* 2009 Feb;467(2):558-65.

G. Other, including development of curriculum or new teaching materials, methods of evaluation, program supervision, etc:

Musculoskeletal problems are the primary reason to seek medical care and they consume a large portion of medical resources in our society. A recent survey of residents in the United States suggests that our current training of physicians may be inadequate to meet the increasing demand for diagnosis and treatment of musculoskeletal disorders. In response, we developed an integrated multidisciplinary course to teach musculoskeletal disease knowledge and skills to second year medical students. A three-year prospective outcomes study was conducted to evaluate the new course.

Methods: The primary outcomes studied during the first year of the new course were knowledge gain, change in confidence levels and long term skill retention. Secondary outcomes included student and faculty satisfaction with the new course. Students were administered a ten-item pre-test covering core course concepts. A matched pairs t-test was

used to test the difference between pre- and post-test scores. Students were also asked to rate on a ten-point scale how much confidence they had in their ability to perform the musculoskeletal physical examination before and after the physical examination workshop and in their ability to evaluate musculoskeletal problems after the Bellringers. A General Linear Model analysis, with post hoc pair wise comparisons were used to evaluate the changes in student confidence levels (F-test).

Twelve weeks after course completion in 2001, and 16 weeks after course completion in 2002, a knee examination station was organized to compare students' scores on the knee examination station one year before and two years after the revision of the course. At the conclusion of the course, students rated each aspect of it on a scale of one to five. Instructors were asked to rate the effectiveness of all elements of the course on the same scale.

Results: The most effective changes were the introduction of the physical examination workshop and the Bellringers based on student satisfaction and confidence and faculty satisfaction. Students' knowledge and confidence increased significantly in 13 specifically targeted areas. Retention of physical examination skills assessed in an end-of-the-year examination showed that scores for the skills emphasized in the revised course increased significantly, while the scores for skills not emphasized in the course remained the same. Revisions made in the second and third year of implementing the course expanded the more successful elements of the course and resulted in further improved student ratings of the course elements.

Conclusion: Integration of the three clinical disciplines relating to musculoskeletal disease, orthopedics, rheumatology and physical medicine and rehabilitation resulted in a highly effective introductory course for second year medical students. The heuristic strategy of introducing core content by lectures and workshops followed by the small group teaching sessions for practice using the new knowledge was effective in increasing the students' knowledge, confidence and satisfaction.

- 2004-2009 Director of Adult Reconstruction Fellowship
ACGME Accredited: Two positions
RRC review June 2005- approved to 2010
Institution supports both positions
- 2002-2004 Undergraduate Research Opportunities Program
- 2002 Life Sciences Undergraduate Research Program
- 2000 Multi-Cultural Undergraduate Mentor Program, University of Minnesota

XV. Other Professional Activities (Boards, Editorships, etc.)

Editorial

- October 2008 Editorial Board, The International Arthroplasty eJournal
- September 2008 Editorial Board, Case Reports in Medicine

July 2005-April 2009 Editorial Board, Journal of Arthroplasty
 July 2001-Present Editorial Board, Techniques in Knee Surgery Journal
 October 2003 Editorial Board, Seminars in Arthroplasty

Visiting Editor

May 2008 Visiting Editor, Journal of Clinical Orthopaedics & Related Research
 • Osteonecrosis
 November 2006 Visiting Editor, Journal of Bone & Joint Surgery: ARCO 13th International Symposium on Bone Circulation
 January 2005 Visiting Editor, Journal of Clinical Orthopaedics & Related Research
 • TKA Revision Outcomes
 December 2004 Visiting Editor, Journal of Clinical Orthopaedics & Related Research
 • Advancement In The Treatment of THA Dislocation
 October 2003 Visiting Editor, Seminars in Arthroplasty: TKA Revision
 January 2003 Visiting Editor, Journal of Bone Joint Surgery: TKAR Revision
 August 2003 Visiting Editor, Journal of South Orthopaedic Association: THA
 April 2001 Visiting Editor, American Journal of Orthopaedics: THA Revision

Reviewer

August 2005 Arthritis Care & Research
 August 2005 Journal of Arthritis & Rheumatism
 September 2004 Journal of Arthroplasty
 January 2003 Journal of Clinical Orthopaedic & Related Research
 August 2002 Journal of Orthopaedic Research
 August 2002 Journal of Calcified Tissue International
 August 2001 Journal of American Medical Association
 April 2000 Canadian Journal of Surgery
 April 1999 Journal of Bone and Joint Surgery

XVI. Clinical Activities (75%)

A. Inpatient

1. Perform surgery at the Main University of Virginia Hospital nine days per month
2. Round on surgery patients at the Main University of Virginia Hospital, 6th Floor.
3. Regular participation in Trauma Room coverage three days per month and perform surgery as needed.
4. Regular participation in Orthopaedic Call coverage three days per month.
5. Supervise 2 fellows, 2 residents, 1 medical student, and 1 Research Fellow with clinical privileges.
6. Work with the medical center leadership to establish clinical pathways for joint patients to optimize outcomes.
7. Collaborate with allied medical services including OT, PT, Nursing, Anesthesia, Geriatrics, Internal Medicine, Hematology, PM&R, Radiology, and Rheumatology.

- B. Outpatient
1. Conduct clinic at the Fontaine Orthopaedic Clinic (average eight days per month, 40 patients per clinic).
 2. Work with medical center staff to facilitate patient flow through quality of care.

XVII. School, University, UVA Hospitals, Departments, National and State Committees & Councils (5%)

- A. School of Medicine:
- | | |
|-----------|---|
| 2006-2007 | Search Committee for Emergency Medicine Chair |
| 2005-2009 | Member UVA Leaders in Academic Medicine |
| 2005-2007 | UVA Research Advisory Committee- RAC |
| | <ul style="list-style-type: none"> • Chair Task Force on Infrastructure • Chair Task Force on New Core Rankings |
| 2005-2007 | UVA Scientific Internal Review Committee SOM |
| 2005-2007 | Advisory Group subcommittee- Dean's Faculty Development |
| 2004-2005 | UVA Associate Dean Clinical Research Selection Committee |
- B. University:
None
- C. UVA Hospitals:
- | | |
|-----------|--|
| 2007-2009 | Quality Committee |
| 2005-2009 | UVA DVT Prophylaxis Workgroup |
| 2006 | Early Discharge Committee |
| 2006 | Surgical Care Project (SCIP) Quality Committee |
- D. Departmental:
- | | |
|-----------|---|
| 2008-2009 | Officer of Quality Improvement & Assurance |
| 2008-2009 | Promotion and Tenure Committee |
| 2008-2009 | Physician Advisory Committee (Health Services Foundation) |
| 2004-2009 | Director, Adult Reconstruction Fellowship |
| 2004-2009 | Division Head, Adult Reconstruction |
| 2005-2009 | Orthopaedic Development Committee |
| 2006 | Resident Professionalism Committee |
- E. National:
- | | |
|--------------|--|
| 2009 | Blue Cross/Blue Shield Association – Expert Research Review Panel for the Blue Health Intelligence Study on Knee and Hip Replacement Surgery |
| 2008 | Blue Cross/Blue Shield Association – Blue Distinction Joint Program |
| 2007 | AOA-ABC Exchange Fellowship Committee, Chair |
| 2007 | National Academies Keck Futures Initiative (NAKFI) Longevity |
| 2006 | National Academies Keck Futures Initiative (NAKFI). “Smart Prosthetics: Exploring Assistive Devices for the Body and Mind: Arthritis.” |
| 2006-Present | Orthopaedic Research Society Abstract Review Committee |

2006-Present	American Association Hip & Knee Surgeons Evidence Based Medicine Committee
2005-2006	AOA-ABC Exchange Fellowship Committee
2004- Present	OREF Clinical Epidemiology Research Fellowship Committee
2004-Present	OREF Relations Committee
2000-20004	OREF Peer review Prospective Clinical Grants Committee
2004-Present	Quality Indicators Development Project Healthcare Research and Quality Security and Confidentiality
2004-Present	American Joint Replacement Registry Board: AAOS
2001-Present	AAOS Evidence Based/Health Services Evaluation Committee
2003	NIH Knee Consensus Conference (AAOS representative)
2003	American Orthopaedic Association: <ul style="list-style-type: none"> • Academic Leadership Committee (2005-Present) • Academic Issues Committee (2003-2005) • Chair: Task Force Chair Burnout • American British Canada Fellowship Committee
2003-2004	NCQA Musculoskeletal Workgroup: Arthritis Foundation, HEDIS (AAOS representative)
2002-2004	Arthritis Foundation AFQulP - RAND Advisory Committee Musculoskeletal Workgroup (AAOS representative)
2000	OREF Zimmer Career Development Award Committee
July 1998-Present	Knee Society Research Committee

National Institute of Health Committees (*ad hoc*)

January 2006	NIAMS R03 Reviewer
September 2005	NIAMS K24 Reviewer
August 2005	NIAMS: MCRC P60
August 2005	NIAMS: ZRG1 MOSS-A(02) R 01 Reviewer
July 2005	NIAMS: K and R awards Review Committee ZARI SRC(99)
May 2005	NIAMS: ZAR1 YZW-H M1, R 01 Reviewer
April 2005	NIAMS: ZAR1 YZW-G M1, R 34 Reviewer
July 2004	NIAMS RFA: PA-04-005 Reviewer Trials Instrument
December 2003	Panelist NIH Consensus Development TKA
December 2002- November 2003	NIAMS/Office of Medical Applications of Research (OMAR) Consensus Development Total Knee Replacement
November 2003	AHRQ/AAOS Conference on Racial/Ethnic Disparities in Musculoskeletal Medicine
May 2002	NIAMS Special Review Committee MCRC: Aftab Ansari, PhD
February 2001	NIAMS Prospects for Further Development in Orthopaedics: S. Katz, MD

F. State:
None

- G. International:
2002 SICOT Surgeons Development Committee

XVIII. Financial Resources (Research Grants and Contracts 20%)

- A. Federal:

<u>Title</u>	<u>Period</u>	<u>Amount</u>
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Knee Arthroplasty Cognitive Behavioral Intervention: The (KABIC) Trial	07/09-6/2010	\$190,350
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Sponsor: National Institute of Arthritis and Musculoskeletal and Skin Diseases

Role: Co-Investigator (PI: D. Riddle, Ph.D.)

Goal: To compare cognitive behavioral therapy (CBT) to an educational control intervention in patients undergoing knee arthroplasty, mostly with the goal of decreasing longer-term post-operative pain, up to 1 year after the surgery.

Salary Support: 3% effort

NIH Evidence Technology Total

Knee Replacement	06/02-12/03	\$232,649
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Sponsor: Agency Healthcare Research and Quality (in conjunction with OMAR & NIAMS)

Role: Co-Investigator (PI: R Kane)

Goal: Assess and summarize the literature pertaining to total knee replacement consensus support and technical report preparation. Expert panelist on revision knee surgery.

Salary Support: 10% Effort.

- B. State:

<u>Title</u>	<u>Period</u>	<u>Amount</u>
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Buchanan Endowment Award	01/08-01/09	\$208,000
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Sponsor: University of Virginia

Role: Principal Investigator

Goal: Establish a Joint Center of Excellence

Salary Support: 0% Effort.

Predictors of Outcome Following Revision Knee

Surgery: Pilot Study	06/00-12/02	\$15,000
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Sponsor: University of Minnesota Medical Foundation

Role: Principal Investigator

Goal: Prospective seventeen-center cohort study assessing predictors of outcome following revision knee surgery

Salary Support: 0% Effort.

Effectiveness of Undergraduate Musculoskeletal

Education: Pilot	06/01-01/02	\$14,000
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Sponsor: Herz Educational Award

Role: Co-Principal Investigator

Goal: assess a) Satisfaction, Pre and Post Implementation of a New Organ Based Musculoskeletal Course and b) the impact of MSK course on long-term and short-term knowledge.

Salary Support: 0% Effort.

C. Other:

<u>Title</u>	<u>Period</u>	<u>Amount</u>
Multi-Center Clinical Trial of the Application of Tissue Repair Cell (TRC) Therapy of Osteonecrosis of the Femoral Head	9/07-8/08	\$138,831.25

Sponsor: Aastrom Biosciences

Role: Co-Principal Investigator

Goal: To measure the efficacy and effectiveness of using autologous bone marrow-derived stem and progenitor cells for the treatment of osteonecrosis of the femur head.

Salary Support: 0% Effort.

Aesculap Outcomes Research	11/07-10/08	\$90,000
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Sponsor: B. Braun-Aesculap

Role: Principal Investigator

Goal: Systematic review and meta-analysis on the value of navigation in joint replacement surgery; protocol design for multi-center trial on the value of navigation in joint replacement surgery; analysis of experimental studies concerning allergic reactions to implant materials; analysis of experimental results of biomechanical considerations in modular component connections in revision total knee arthroplasty

Salary Support: 5% Effort

OREF/Sanofi-Aventis Clinical Research Training Fellowship	05/07-06/09	\$140,000
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Sponsor: OREF/Sanofi-Aventis

Goal: Executive Program, Health Care Management, Harvard School of Public Health

Salary Support: 20% Effort.

University of Virginia Arthroplasty Registry	06/06-06/11	\$173,000
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Sponsor: Smith & Nephew Inc.

Role: Principal Investigator

Goal: We propose the development of a state-wide registry to optimize outcomes following joint replacement.

Salary Support: 15% Effort.

Triathlon Multicenter Outcomes Study	09/05-12/08	\$690,625
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Sponsor: Stryker Orthopaedics

Role: Principal Investigator

Goal: Randomized ten-center study 1) assessing radiographic wear rates and osteolysis, 2) assessing predictors of radiographic osteolysis and TKA failure in a cohort of 600 TKA in a

consecutive series of PCL retaining vs. substituting, and 3) Quality of life outcomes and several musculoskeletal instruments that we developed are being validated.
Salary Support: 20% Effort.

Triathlon Outcomes Research

Sponsor: Stryker Orthopaedics 07/05-08/08 \$108,100
Role: Principal Investigator
Goal: Analysis of data from Triathlon CR and PS clinical trials compared to NAKAR (North American Knee Arthroplasty Revision) study data to compare and contrast recovery and functional return rates for patients undergoing primary and revision total knee replacement surgery.
Salary support: 0

Triathlon Outcomes Research

Sponsor: Stryker Orthopaedics 01/08-12/08 \$10,000
Role: Principal Investigator
Goal: Modification and statistical analysis of Triathlon database.
Salary support: 0

**Burnout in Chairs of Orthopaedic Surgery:
Diagnosis, Treatment, and Prevention**

06/05-06/07 \$25,000
Sponsor: Orthopaedic Research and Education Foundation
Role: Principal Investigator
Goal: To diagnosis severity and prevalence of burnout amongst Orthopaedic Chairs
Salary Support: 0% Effort. (No support to UVA)

**Biomaterial-Centered Infection Research
Laboratory**

12/04-04/06 \$181,877
Sponsor: NABI
Role: Co-Investigator (PI: T. Brown)
Goal: Assess *Staph Epidermis* Vaccine against antibiotic in the treatment of biomaterial-centered infections in the rabbit model
Salary Support: 0% Effort.

Effectiveness of Revision Knee Surgery

06/00-01/06 \$225,000
Sponsor: Orthopaedic Research Education Foundation.
Role: Principal Investigator
Goal: a) To undertake a TKA. Revision meta-analysis. 2) Undertake a prospective Thirteen-center cohort study, assessing predictors of outcomes following revision knee surgery.
Salary Support: 10% Effort. (No support to UVA)

Oxinium Head (SNOH)

06/02-06/05 \$1,489,000
Sponsor: Smith & Nephew Inc.
Role: Principal Investigator
Goal: Randomized ten-center study 1) assessing radiographic wear rates and osteolysis, 2) assessing predictors of radiographic osteolysis and THA failure in a cohort of 1000 THA

randomized to two bearing surfaces, and 3) quality of life outcomes and several musculoskeletal instruments that we developed are being validated.
Salary Support: 5% Effort. (No support to UVA)

Predictors of Outcome Following Revision

Knee Surgery 06/02-06/04 \$150,000

Sponsor: American Geriatrics Society

Role: Principal Investigator

Goal: Prospective seventeen-center cohort study assessing predictors of outcome following revision knee surgery.

Salary Support: 50% Effort.

Molecular Mechanism of Arthrofibrosis

Following Total Knee Arthroplasty 06/03-06/05 \$30,000

Sponsor: American Knee Society

Role: Co-Investigator (PI: J Parvizi).

Goal: To study fibroblast differentiation following failed (arthrofibroses) primary TKA.

Salary Support: 0% Effort.

Predictors of Outcome Following Revision

THA: A Prospective Multi-Center 06/01-12/03 \$225,000

Renewed: 06/03- 06/05 \$70,000

Sponsor: Arthritis Society

Role: Co-Investigator (PI: A. Davies)

Goal: Prospective seventeen-center cohort study assessing predictors of outcome following revision hip surgery.

Salary Support: 0% Effort.

Effectiveness of Undergraduate

Musculoskeletal Education 06/01-01/02 \$25,000

Sponsor: Orthopaedic Research Education Foundation.

Role: Principal Investigator

Goal: assess a) Satisfaction, Pre and Post Implementation of a new organ based musculoskeletal course and 20 the impact of MSK course on long-term and short-term knowledge.

Salary Support: 0% Effort.

Severity Index For Total Knee Arthroplasty:

Development and Validation 08/99-06/02 \$30,000

Sponsor: American Knee Society

Role: Principal Investigator

Goal: To develop and validate severity index instrument to stratify patients in need of TKA based on predicted outcome.

Salary Support: 0% Effort.

Severity Index For Total Hip Revision Arthroplasty: Development and Validation	08/98-06/00	\$135,000
Sponsor: Medical Research Council of Canada		
Role: Principal Investigator		
Goal: To develop and validate severity index instrument to stratify patients in need of THA based on predicted outcome.		
Salary Support: 50% Effort.		
Education Adult Reconstruction – Unrestricted Fellowship Support	2004-2005	\$82,000
Research and Education Adult Reconstruction – Unrestricted Grant	2000-2005	\$375,000
Zimmer Inc.		
PI: K.J. Saleh, \$75,000/yr x 5 = \$375,000 - No Salary Support		
Research and Education Adult Reconstruction – Unrestricted Grant	2000-2003	\$195,000
Howmedica Osteologic Inc.		
PI: K.J. Saleh, \$85,000/yr x 3 years = \$195,000 - No Salary Support		
Education Adult Reconstruction – Unrestricted Grant	2001-2003	\$90,000
Smith & Nephew/Richards Inc.		
PI: K.J. Saleh, \$90,000 - No Salary Support		
Education Adult Reconstruction – Unrestricted Grant	2001	\$114,000
DePuy – Johnson and Johnson		
PI: K.J. Saleh, \$97,000/yr x 2 years = \$114,000 - No Salary Support		
Education Adult Reconstruction – Unrestricted Grant	2002	\$30,000
Organon Pharmaceuticals Inc.		
PI: K.J. Saleh \$30,000 - No Salary Support		
Education Adult Reconstruction – Unrestricted Grant	2002	\$30,000
Biomet Inc.		
PI: K.J. Saleh \$30,000 - No Salary Support		
Education Adult Reconstruction – Unrestricted Grant	2002	\$20,000
Wright Medical		
PI: K.J. Saleh \$20,000 - No Salary Support		

Education Adult Reconstruction – Unrestricted Grant 2001-2003 \$40,000
 Merck Inc.
 PI: K.J. Saleh, \$40,000 - No Salary Support

Education Adult Reconstruction – Unrestricted Grant 2001-2002 \$52,000
 Pharmacia Inc.
 PI: K.J. Saleh, \$26,000/yr x 2 years = \$52,000 - No Salary Support

XIX. Physical Facilities

Southern Illinois University School of Medicine, Department of Surgery, 701 North First Street, Springfield, IL 62794-9679

XX. Personnel Currently Supervised

Adult Reconstruction Division - Faculty	Adult Reconstruction Division - Fellows
Adult Reconstruction Division - Staff Wendy Novicoff, PhD	Adult Reconstruction Division – Nursing Coordinators

Chief Residents	4th Year Residents	3rd Year Residents
2nd Year Residents	1st Year Residents	Lab Residents/Other

XXI. Clinical and Research Fellows Supervised

Date	Post-Doctoral Fellow	Current Position
2000-02	Daryll Dykes	University of Minnesota
2001-02	Rida Kassim	American University of Beirut
2001-03	N C Islam	Istanbul University
2002-03	Gideon Burstein	Tel Aviv University, Tel Hashomer Hospital
2002-03	Issada Thongtrangan	First International University of Thailand
2003-04	Edward Santos	University of Minnesota
2004-05	George Macari	American University of Beirut
2004-05	Michael Kwon	Resident, University of Virginia
2004-05	Kevin Mulhall	University of Dublin
2004-05	Antonio Otero-Lopez	University of Puerto Rico
2005-06	Quanjun Cui	University of Virginia
2005-06	Varatharaj Mounasamy	Fellow, Virginia Commonwealth University
2005-06	Thomas Myers	University of Pittsburgh

2006-07	Abhijit Manaswi	Fellow, Virginia Commonwealth University
2006-07	Shawn Brubaker	Shasta Orthopaedics & Sports Medicine Redding, CA
2007-08	Kyle Messick	Gettysburg Orthopaedics, Pennsylvania
2008-09	Venkatachalapathy Perumal	Fellow, University of Virginia
2008-09	Michael Shuck	Fellow, University of Virginia
2008-09	Kristian Bjorgul	Fellow, University of Virginia

XXII. Papers Published or in Press (indicate electronic citations)

A. Peer Reviewed

Publications in Scientific Journals - Legend

- α Designed, implemented and performed all data collection and wrote entire manuscript.
- β Designed, implemented and performed some data collection and wrote portions of manuscript.
- ϕ Participated as Co-PI in study design, implementation, and writing of manuscript
- π Undertook literature review, and/or performed portions of data collection/analysis and/or portions of manuscript preparation.

Publications-Peer-Reviewed

1. β Mounasamy V, Cui Q, Brown TE, **Saleh KJ**, Mihalko WM. Primary Total Knee Arthroplasty for a Complex Distal Femur Fracture in the Elderly: A Case Report. *Eur J Orthop Surg Traumatol* (2007) 17:491-494.
2. β Mihalko WM, Mounasamy V, Ellison M, **Saleh KJ**. Distal Femoral Canal Pressurization After Introduction of Cement Restrictor Plugs: An In Vitro Analysis. *Eur J Orthop Surg Traumatol*.
3. β Novicoff WM, Rion D, Mihalko WM, Saleh KJ. Does Concomitant Low Back Pain Affect Revision Total Knee Arthroplasty Outcomes? *Clin Orthop Relat Res*. 2009 May 12.
4. β Parvizi J, Bender B, **Saleh KJ**, Brown TE, Schmalzried TP, Mihalko WM. Resistant Organisms in Infected Total Knee Arthroplasty: Occurrence, Prevention, and Treatment Regimens. *Instr Course Lect*. 2009;58:271-8.
5. β Mihalko WM, Sherrell JC, **Saleh KJ**, Whiteside LA. Intraoperative Issues Concerning the Patellofemoral Mechanism During Total Knee Arthroplasty. *Instr Course Lect*. 2009;58:263-70.
6. β **Saleh KJ**, Quick JC, Sime WE, Novicoff WM, Einhorn TA. Recognizing and Preventing Burnout Among Orthopaedic Leaders. *Clin Orthop Relat Res* 2009;467:558-565.

7. **β** Diamond IR, Murray C, Bosse MJ, Heckman JD, Mirza SK, Peabody TD, **Saleh KJ**, Swiontkowski MF, Wright JG. The AOA Clinical Trials Curriculum. *Journal of Bone and Joint Surgery*. 2009 Apr;91(4):1007-11.
8. **β** Kanner WA, **Saleh KJ**, Frierson HF. Reassessment of the Usefulness of Frozen Section Analysis for Hip and Knee Joint Revisions. *Am J Clin Pathol*. 2008 Sep;130(3):363-8.
9. **β** **Saleh KJ**, Bear B, Wright J, Bostrom M, Baldwin T, Sculco T. Initial Stability of Press-Fit Acetabular Components: An In Vitro Biomechanical Study. *Am J Orthop*. 2008;37(10):519-522.
10. **β** Novicoff WM, Brown TE, Cui Q, Mihalko WM, Slone HS, **Saleh KJ**. Mandated Venous Thromboembolism Prophylaxis – Possible Adverse Outcomes. *J. of Arthroplasty*. 2008;23:319-320.
11. **β** Parvizi J, **Saleh KJ**, Ragland PS, Pour AE, Mont MA. Efficacy of antibiotic-impregnated cement in total hip replacement. *Acta Orthop*. 2008 Jun;79(3):335-341.
12. **β** Cui Q, **Saleh KJ**. Surgical and Molecular Advances in Osteonecrosis: Editorial Comment. *Clin Orthop Relat Res*. 208 May;466(5):1017-9.
13. **β** Davis AM, Agnidis Z, Badley E, Davey JR, Gafni A, Gollish J, Mahomed NN, **Saleh KJ**, Schemitsch EH, Szalai JP, Waddell JP, Gross AE. Waiting for Hip Revision Surgery: The Impact on Patient Disability. *Can J Surg*, Vol 51, No 2, April 2008:92-96.
14. **β** Novicoff WM, Manaswi A, Hogan MV, Brubaker SM, Mihalko WM, **Saleh KJ**. Newer Technologies in Bone Healing and Repair. *Journal of Bone and Joint Surgery. J Bone Joint Surg (A)* 2008;90(Suppl 1):85-91.
15. **β** Mihalko WM, Boachie-Adjei Y, Spang JT, Fulkerson JP, Arendt EA, **Saleh KJ**. Controversies and Techniques in the Surgical Management of Patellofemoral Arthritis. *Instr Course Lect*. 2008;57:365-80.
16. **β** Mihalko WM, Manaswi A, Brown T, Parvizi J, Schmalzried T, **Saleh KJ**. Infection in Primary Total Knee Arthroplasty: Contributing Factors. *Instr Course Lect*. 2008;57:317-25.
17. **β** Mihalko WM, Manaswi A, Cui Q, Parvizi J, Schmalzried T, **Saleh KJ**. Diagnosis and Treatment of the Infected Primary Total Knee Arthroplasty. *Instr Course Lect*. 2008;57:327-39.
18. **α** Mulhull KJ, Ghomrawi HM, Bershinsky B, **Saleh KJ**. Functional Improvement After Total Knee Arthroplasty Revision: New Observations on the Dimensional Nature of Outcome. *J Orthop Surg* 2007 Dec;2(1):25-32.

19. **α** Brubaker SM, Brown TE, Manaswi A, Mihalko WM, Cui Q, **Saleh KJ**. Treatment Options and Allograft Use in Revision Total Hip Arthroplasty. *J Arthroplasty* 2007 Oct;22(7 Suppl)3:52-56.
20. **β** Kurtz SM, Ong KL, Schmier J, Mowat F, **Saleh KJ**, Dybvik E, Karrholm J, Garellick G, Havelin LI, Furnes O, Malchau H, Lau E. Future Clinical and Economic Impact of Revision Total Hip and Knee Arthroplasty. *J Bone Joint Surg (A)*. 2007 Oct;89 Suppl 3:144-51.
21. **β** Mulhall KJ, **Saleh KJ**, Thompson CA, Severeson EP, Palmer DH. Results of Bilateral Combined Hip and Knee Arthroplasty in Very Young Patients with Juvenile Rheumatoid Arthritis. *Arch Orthop Trauma Surg*. 2007 Sept 15.
22. **α** Mulhall KJ, Ghomrawi HM, Mihalko W, Cui Q, **Saleh KJ**. Adverse Effects of Increased Body Mass Index and Weight on Survivorship of Total Knee Arthroplasty and Subsequent Outcomes of Revision TKA. *J Knee Surg*. 2007;20:199-204.
23. **β** Mont MA, Jones LC, Seyler TM, Marulanda GA, **Saleh KJ**, Delanois RE. New Treatment Approaches for Osteonecrosis of the Femoral Head: An Overview. *Instr Course Lect*. 2007;56:197-212.
24. **α** Seyler TM, Cui Q, Mihalko WM, Mont MA, **Saleh, KJ**. Advances in Hip Arthroplasty in the Treatment of Osteonecrosis. *Instr Course Lect*. 2007;56:221-33.
25. **β** Ulrich SD, Seyler TM, Bennett D, Delanois RE, **Saleh KJ**, Thongtrangan I, Kuskowski M, Cheng EY, Sharkey PF, Parvizi J, Stiehl JB, Mont MA. Total Hip Arthroplasties: What are the Reasons for Revision? *Int Orthop*, 2007 April 19.
26. **α** Cui Q, Mihalko WM, Shields JS, Ries M, **Saleh KJ**. Antibiotic-Impregnated Cement Spacers for the Treatment of Infection Associated with Total Hip or Knee Arthroplasty. *J Bone Joint Surg (A)*. 2007 Apr;89(4):871-82.
27. **α** **Saleh KJ**, Quick JC, Conaway M, Sime WE, Martin W, Hurwitz S, Einhorn TA. The Prevalence and Severity of Burnout Among Academic Orthopaedic Departmental Leaders. *J Bone Joint Surg (A)*. 2007 Apr;89(4):896-903.
28. **α** **Saleh KJ**. An Elastic Stockinette Under a Pneumatic Tourniquet Protected Against the Development of Blisters During Total Knee Arthroplasty. *J Bone Joint Surg Am*. 2007 Feb;89(2):459.
29. **β** Sechriest VF 2nd; Kyle RF, Marek DJ, Spates JD, **Saleh KJ**, Kuskowski M. Activity Level in Young Patients with Primary Total Hip Arthroplasty: A 5 Year Minimum Follow-Up. *J Arthroplasty*. 2007 Jan; 22(1):39-47.

30. β Mounasamy V, Cui Q, Brown TE, **Saleh KJ**, Mihalko, WM. Acute Sciatic Neuritis Following Total Hip Arthroplasty: A Case Report. *Arch Orthop Trauma Surg.* 2006 Dec 8.
31. ϕ Cui Q, Xiao Z, Li X, **Saleh KJ**, Balian G. Use of genetically engineered bone-marrow stem cells to treat femoral defects: an experimental study. *J Bone Joint Surg Am.* 2006 Nov;88 Suppl 3:167-72.
32. β Cui Q, Wang Y, **Saleh KJ**, Wang GJ, Balian G. Alcohol-induced adipogenesis in a cloned bone-marrow stem cell. *J Bone Joint Surg Am.* 2006 Nov;88 Suppl 3:148-54.
33. α Myers TG, Cui Q, Kuskowski M, Mihalko WM, **Saleh KJ**. Outcomes of total and unicompartmental knee arthroplasty for secondary and spontaneous osteonecrosis of the knee. *J Bone Joint Surg Am.* 2006 Nov;88 Suppl 3:76-82.
34. ϕ Mont MA, Marulanda GA, Jones LC, **Saleh KJ**, Gordon N, Hungerford DS, Steinberg ME. Systematic analysis of classification systems for osteonecrosis of the femoral head. *J Bone Joint Surg Am.* 2006 Nov;88 Suppl 3:16-26.
35. ϕ Mounasamy V, Ma SY, Schoderbek RJ, Mihalko WM., **Saleh KJ**, Brown TE. Primary Total Knee Arthroplasty with Condylar Allograft and MCL Reconstruction for a Comminuted Medial Condyle Fracture in an Arthritic Knee – A Case Report. *Knee.* 2006 Oct;13(5):400-3.
36. β Kwon MS, Kuskowski M, Mulhall KJ, Macaulay W, Brown TE, **Saleh KJ**. Does Surgical Approach Affect Total Hip Arthroplasty Dislocation Rates? *Clin Orthop Relat Res.* 2006 Jun;447:34-38.
37. β Macaulay W, **Saleh KJ**, Parvizi J. Total Hip Arthroplasty Dislocation: Prevention and Management: Editorial Comment. *Clin Orthop Relat Res.* 2006 Jun;447:2-3.
38. β Macaulay W, Pagnotto MR, Iorio R, Mont MA, **Saleh KJ**. Displaced femoral neck fractures in the elderly: hemiarthroplasty versus total hip arthroplasty. *J Am Acad Orthop Surg.* 2006 May;14(5):287-93.
39. α Battaglia TC, Mulhall KJ, Brown TE, **Saleh KJ**. Increased Surgical Volume Is Associated with Lower THA Dislocation Rates. *Clin Orthop Relat Res.* 2006 May 2.
40. α Schoderbek RJ Jr, Brown TE, Mulhall KJ, Mounasamy V, Iorio R, Krackow KA, Macaulay W, **Saleh KJ**. Extensor Mechanism Disruption after Total Knee Arthroplasty. *Clin Orthop Relat Res.* 2006 May;446:176-185.
41. α Eisenhuth SA, **Saleh KJ**, Cui Q, Clark CR, Brown TE. Patellofemoral Instability after Total Knee Arthroplasty. *Clin Orthop Relat Res.* 2006 May;446:149-160

42. **α** Mulhall KJ, Ghomrawi HM, Engh GA, Clark CR, Lotke P, **Saleh KJ**. Radiographic Prediction of Intraoperative Bone Loss in Knee Arthroplasty Revision. *Clin Orthop Relat Res*. 2006 May;446:51-58.
43. **α** Mulhall KJ, Ghomrawi HM, Scully S, Callaghan JJ, **Saleh KJ**. Current Etiologies and Modes of Failure in Total Knee Arthroplasty Revision. *Clin Orthop Relat Res*. 2006 May;446:45-50.
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B. Books and/or Chapters

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D. Short Communications

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2. **Saleh KJ.** CAS a meta-analysis of outcomes in joint replacement. Course Director, Expertise in Orthopaedic Navigation 2008, Arlington, VA. September 9-10, 2008.
3. Murphy M, Orndorff D, **Saleh KJ**, Mulhall KJ. Achieving Desired Lengths of Stay Following Hip and Knee Arthroplasty – Can We Learn Any Lessons from the USA? Irish Orthopaedic Association Annual Meeting. Belfast. June 19, 2008.
4. Gargan I., Bershinsky B, **Saleh KJ**, Mulhall KJ. Development of a New Approach to the Assessment of Outcomes of Total Knee Arthroplasty. Irish Orthopaedic Association Annual Meeting. Belfast. June 19, 2008.
5. Solayar G, Novicoff W, **Saleh KJ**, Mulhall KJ. Current Modes of Failure and Functional Disability in Patients Presenting for Revision Total Knee Arthroplasty. Irish Orthopaedic Association Annual Meeting. Belfast. June 19, 2008.
6. **Saleh KJ**, Novicoff WM, Mihalko WM, Brown TE, Cui Q. The Impact of Comorbidities on Outcomes in revision TKA: A Two-Year Prospective Cohort Study. 2008 Combined Meeting of the AOA and COA. June 4-7, 2008. Quebec City, Quebec.
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8. **Saleh KJ**, Novicoff WM, Mihalko WM, the NAKAR Study Group. Does Concomitant Low Back Pain Affect Revision Total Knee Arthroplasty Outcome? 2008 Combined Meeting of the AOA and COA. June 4-7, 2008. Quebec City, Quebec. (Poster)
9. **Saleh KJ**, Mihalko WM, Cui Q, Novicoff WM, Brown TE. Impact of Diabetes on Outcomes after Revision Total Knee Arthroplasty: A Prospective Cohort Study. 2008 Combined Meeting of the AOA and COA. June 4-7, 2008. Quebec City, Quebec. (Poster)
10. **Saleh KJ.** Primary and Revision Total Knee and Total Hip Arthroplasty: State of the Science and Comparison of Navigated versus Manual Techniques. 3rd Annual Conference of The British Society for Computer Aided Orthopaedic Surgery. February 7, 2008. Glasgow, Scotland.
11. Mulhall K*, **Saleh KJ.** Are There Clinical Correlates We Can Use to Predict the Functional Outcomes of Total Knee Arthroplasty? Irish Orthopaedic Association Meeting. June 20, 2007. Kilkenny, Ireland.
12. Mulhall K*, **Saleh KJ.** Prospective Validation of AORI and UPENN Systems in Predicting Actual Bone Loss in TKA Revision. Irish Orthopaedic Association Meeting. June 20, 2007. Kilkenny, Ireland.

13. Mulhall K*, **Saleh KJ**. Increased Weight and BMI has Negative Effects on Longevity of Primary Total Knee Arthroplasty and Functional Outcomes of Total Knee Arthroplasty Revisions. Irish Orthopaedic Association Meeting. June 20, 2007. Kilkenny, Ireland.
14. Mulhall K*, **Saleh KJ**. Prospective validation of AORI and UPenn Systems in Predicting Bone loss in TKAR. British Orthopaedic Association Annual Congress, September 27-29, 2006. Glasgow, Scotland.
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25. Mulhall K*, **Saleh KJ.** Development of an Improvement Scale to Measure Outcomes Following Total Knee Replacement in a Multi-Center Prospective Cohort Study. European Orthopaedic Research Society Annual Meeting, Amsterdam, Holland, November 2004.
26. Mulhall K*, **Saleh KJ.** Development and Validation of a Lower Extremity Activity Scale (LEAS).European Orthopaedic Research Society Annual Meeting, Amsterdam, Holland, November 2004.
27. Mulhall K*, **Saleh KJ.** Measuring Improvement Following Total Knee Arthroplasty Revision: A New Perspective and Findings in a Multi-Center Prospective Cohort Study. North American Knee Arthroplasty Revision Study Group.5th Combined Meeting of the Orthopaedic Research Societies of Canada, USA, Japan and Europe, Banff, Canada, October 13 2004.
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30. Mulhall K*, **Saleh KJ.** Prospective Multi-Center Assessment of the Validity of 2 Radiographic Measurement Systems in Predicting Actual Bone Loss in Total Knee Arthroplasty Revision North American Knee Arthroplasty Revision Study Group.5th Combined Meeting of the Orthopaedic Research Societies of Canada, USA, Japan and Europe, Banff, Canada, October 2004.
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61. **Saleh KJ***. Comparability of Hand Held Versus Paper-Based Health Questionnaires. SICOT. San Diego, CA, August 24-7, 2002.
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63. **Saleh KJ***. Predictive Validity of The Knee Society Index Of Severity: A Prospective Multi-Center Cohort Study. SICOT. San Diego, CA, August 24-7, 2002.
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National

1. Novicoff WM, Youssef A, Craft T, Rion D, Frazier T, **Saleh KJ**. The Effects of Extended Release Epidural Morphine on Length of Stay and Pain Management for Primary Total Hip Arthroplasty Patients. International Anesthesia Research Society (IARS) Annual Meeting. San Diego, CA. March 14-15, 2009.
2. **Saleh KJ**. Predictors of Outcomes in Revision Total Knee Arthroplasty – Patient Co-morbidities Are Most Important. Knee Society/American Association of Hip and Knee Surgeons. Specialty Day. 2009 Annual AAOS Meeting. Las Vegas, NV. February 28, 2009.
3. **Saleh KJ**. Failure Mode as a Predictor of Outcomes in RTKA: A Prospective Multi-Center Study. 2009 Annual AAOS Meeting. Las Vegas, NV. February 26, 2009.
4. Novicoff WM, Mihalko WM, Cui Quanjun, Brown TE, **Saleh KJ**. Predictors of Outcomes in Revision Total Knee Arthroplasty (RTKA) – Patient Co-morbidities are Most Important. 18th Annual American Association of Hip and Knee Surgeons Meeting. November 2008. Dallas, TX.
5. **Saleh KJ***. New Development in Orthopaedic Infections. 48th ICAAC /46th ISDA Joint Meeting. October 25-28, 2008. Washington, DC.
6. Mihalko WM, Novicoff WM, Brown TE, Cui Quanjun, **Saleh KJ**. Predictors of Outcomes in Revision Total Knee Arthroplasty – Patient Co-morbidities are Most Important. The Knee Society. October 2-4, 2008. Denver, CO.

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8. Fulerson JP, Mihalko WM, Minas T, **Saleh KJ* (Moderator)**. Controversies and Techniques in the Surgical Management of Patellofemoral Disease. 75th Annual AAOS Meeting. ICL. March 5, 2008, San Francisco, CA.
9. Manaswi A, Novicoff WM, Hogan M, Brubaker SM, Khan Y, Laurencin CL, **Saleh KJ**. Newer Technologies for Bone Repair. 75th Annual AAOS Meeting. March 7, 2008, San Francisco, CA.
10. Sampsel S, **Saleh KJ**, MacLean C, Solomon D, Susman J, Saag K. Physician Compliance with High-Risk NSAID Treatment Protocols – A Cause for Concern. 75th Annual AAOS Meeting. March 7, 2008, San Francisco, CA.
11. **Saleh KJ* (Moderator)**. Session 38 Clinical Outcomes Research. 54th Annual Orthopaedic Research Society Meeting. March 2-5, 2008, San Francisco, CA.
12. **Saleh KJ* (Moderator)**. Effects of Exercise on Human Healthspan. The Future of Human Healthspan: Demography, Evolution, Medicine and Bioengineering. The National Academies Keck Futures Initiative. November 14-16, 2007, Irvine, CA.
13. **Saleh KJ***. Mandated VTE Prophylaxis – Possible Adverse Outcomes. 17th Annual AAHKS Meeting. November 2-4, 2007, Dallas, TX.
14. **Saleh KJ***. Faculty Videotaped Demonstration. Gap Balancing, Component Sizing and Placement in Revision TKR. October 5, 2007, Rosemont, IL.
15. **Saleh KJ***. Faculty Surgical Demonstrations. Component Rotation: Femoral and Tibial. AAOS Knee Arthroplasty: Uni, Total and Revision Insights, New Techniques – What You Need to Know!” October 4, 2007, Rosemont, IL.
16. **Saleh KJ***. Outcomes and Results in Clinical Trial Design. AAOS Research Symposium, Fracture Repair: Challenges and Opportunities. April 28, 2007, Miami Beach, FL.
17. **Saleh KJ***. Moderator: Session III: Emerging Technologies in Fracture Repair. AAOS Research Symposium, Fracture Repair: Challenges and Opportunities. April 27, 2007, Miami Beach, FL.
18. **Saleh KJ***. Prevalence and Severity of Burnout Amongst Academic Orthopaedic Departmental Leaders. 59th Annual ABJS Meeting. April 14, 2007, Lexington, KY.
19. **Saleh KJ***. Influence of Admission Hematocrit on Inpatient Rehabilitation Outcomes Following TKA. 74th Annual AAOS Meeting. February 14-18, 2007, San Diego, CA.

20. Arendt EA, Fulerson JP, Mihalko WM, **Saleh KJ* (Moderator)**. Controversies and Techniques in the Surgical Management of Patellofemoral Disease. 74th Annual AAOS Meeting. February 14-18, 2007, San Diego, CA.
21. **Saleh KJ***. Projected Economic Burden of Revision THA and TKA for Medicare Enrollees in the Next Decade. 74th Annual AAOS Meeting. February 14-18, 2007, San Diego, CA.
22. **Saleh KJ***. Weight Bearing Status Does Not Inhibit Function During Inpatient Rehabilitation after THA. 74th Annual AAOS Meeting. February 14-18, 2007, San Diego, CA.
23. **Saleh KJ***. Controversies and Techniques in the Surgical Management of Patellofemoral Disease Total Knee Replacement. 74th Annual AAOS Meeting. February 14-18, 2007, San Diego, CA.
24. **Saleh KJ***. Benchtop to Bedside: Examining the Barriers Between the Research Laboratory and the Clinical Setting. 74th Annual AAOS Meeting. February 14-18, 2007, San Diego, CA.
25. **Saleh KJ***. The Total Knee Infection: From Prevention to Treatment. 74th Annual AAOS Meeting. February 14-18, 2007, San Diego, CA.
26. **Saleh KJ***. National Academies Keck Futures Initiative (NAKFI) Moderator. “Smart Prosthetics: Exploring Assistive Devices for the Body and Mind: Arthritis.” November 9-11, 2006. Irvine, CA.
27. **Saleh KJ***. National Academies Keck Futures Initiative (NAKFI): “Smart Prosthetics: Exploring Assistive Devices for the Body and Mind: Arthritis Joint Replacement. October 5-6, 2006. Irvine, CA.
28. **Saleh KJ***. 6th Annual Arthroplasty Course Hip and Knee. THR DDH Decision Making. May 11-13, 2006, Minneapolis, MN.
29. **Saleh KJ***. 6th Annual Arthroplasty Course Hip and Knee. Stem Selection Decision Making. May 11-13, 2006, Minneapolis, MN.
30. **Saleh KJ***. 6th Annual Arthroplasty Course Hip and Knee. TKAR Component Removal. May 11-13, 2006, Minneapolis, MN.
31. **Saleh KJ***. 6th Annual Arthroplasty Course Hip and Knee. Periprosthetic Fractures in THA. May 11-13, 2006, Minneapolis, MN.
32. **Saleh KJ***. Stress in Orthopaedic Leadership. AOA 119th Annual Meeting. June 21-25, 2006, Austin, TX.

33. **Saleh KJ***. Stress In Orthopaedic Leadership. AOA 118th Annual Meeting. June 23-26, 2005, Huntington Beach, CA.
34. **Saleh KJ***. 5th Annual Arthroplasty Course Hip and Knee. THR DDH Decision Making. June 3-5, 2005, Minneapolis, MN.
35. **Saleh KJ***. 5th Annual Arthroplasty Course Hip and Knee. Stem Selection Decision Making. June 3-5, 2005, Minneapolis, MN.
36. **Saleh KJ***. 5th Annual Arthroplasty Course Hip and Knee. TKAR Component Removal. June 3-5, 2005, Minneapolis, MN.
37. **Saleh KJ***. 5th Annual Arthroplasty Course Hip and Knee. Periprosthetic Fractures in THA. June 3-5, 2005, Minneapolis, MN.
38. **Saleh KJ***. Avascular Necrosis of The Hip: Concepts Risks & Benefits. Instructional Course Lecture. 73rd Annual AAOS Meeting. March, 22-25, 2006, Chicago, IL.
39. **Saleh KJ***. Outcomes Following Inpatient Rehabilitation in Primary and Revision Total Hip Arthroplasty Patients. 73rd Annual AAOS Meeting. March, 22-25, 2006, Chicago, IL.
40. **Saleh KJ***. Use of Antibiotic Cement in Primary Hip Arthroplasty; A Meta-Analysis. 73rd Annual AAOS Meeting. March, 22-25, 2006, Chicago, IL.
41. **Saleh KJ***. Report of TKAR Complications Up To 1-Year Postoperatively: The Issues of Most Concern, 73rd Annual AAOS Meeting. March, 22-25, 2006, Chicago, IL.
42. **Saleh KJ***. Analysis of Factors in Achieving Desired Length of Stay for Total Joint Arthroplasty Patients, 73rd Annual AAOS Meeting. March, 22-25, 2006, Chicago, IL.
43. **Saleh KJ***. Current Modes of Failure and Functional Disability in Total Knee Arthroplasty Revision Patients, 73rd Annual AAOS Meeting. March, 22-25, 2006, Chicago, IL.
44. **Saleh KJ***. Outcome Comparison of Inpatient Rehabilitation for Primary Versus Revision Total Knee Arthroplasty, 73rd Annual AAOS Meeting. March, 22-25, 2006, Chicago, IL.
45. **Saleh KJ***. A New Comprehensively Validated Lower Extremity Activity Scale for Arthroplasty Patients, 73rd Annual AAOS Meeting. March, 22-25, 2006, Chicago, IL.
46. **Saleh KJ***. Moderator Spice of Life or Kiss of Death: Stress In Leadership Symposium. AOA 118th Annual Meeting. Huntington Beach, CA, June 23-26, 2005.
47. **Saleh KJ***. Stress In Orthopaedic Leadership. AOA 118th Annual Meeting. June 23-26, 2005, Huntington Beach, CA.

48. **Saleh KJ***. 5th Annual Arthroplasty Course Hip and Knee. THR DDH Decision Making. June 3-5, 2005, Minneapolis, MN.
49. **Saleh KJ***. 5th Annual Arthroplasty Course Hip and Knee. Stem Selection Decision Making. June 3-5, 2005, Minneapolis, MN.
50. **Saleh KJ***. 5th Annual Arthroplasty Course Hip and Knee. TKAR Component Removal. June 3-5, 2005, Minneapolis, MN.
51. **Saleh KJ***. 5th Annual Arthroplasty Course Hip and Knee. Periprosthetic Fractures in THA. June 3-5, 2005, Minneapolis, MN.
52. **Saleh KJ***. 5th Annual Arthroplasty Course Hip and Knee. TKA in Patellofemoral Arthritis. June 3-5, 2005, Minneapolis, MN.
53. Bershadsky B., Ghomrawi H.M., Mulhall K. and **Saleh KJ***. Dimensions of Improvement after Total Knee Arthroplasty Revision". Ninth Annual Minnesota Health Services Research Conference. March 1, 2005, MN.
54. **Saleh KJ***. New Observations on the Effect of Weight on Primary and Revision Total Knee Arthroplasty. 72nd Annual AAOS Meeting. February 23-27, 2005, Washington, DC.
55. **Saleh KJ***. Prospective Validation of AORI and UPenn Systems in Predicting Actual Bone Loss in TKA Revision. 72nd Annual AAOS Meeting. February 23-27, 2005, Washington, DC.
56. **Saleh KJ***. Bone Grafts in Revision TKA (Femur/Tibia). AAOS Techniques in Knee Arthroplasty. Nov 12-14, 2004, Rosemont, IL.
57. Sampsel S*; **Saleh KJ**; MacLean C; Solomon D, Susman J; Saag K. Weight Loss and Exercise: Opportunities for Quality Improvement in Osteoarthritis. ACR Annual Scientific Meeting. October 16-21, 2004, San Antonio, TX.
58. Sampsel S*, **Saleh KJ**; MacLean C, Solomon D, Susman J, Saag K. Low Use of GI Prophylaxis with NSAIDs in High Risk Patients. ACR Annual Scientific Meeting. October 16-21, 2004, San Antonio, Texas.
59. Sampsel S*, **Saleh KJ**, MacLean C, Solomon D, Susman J, Saag K. Measuring Quality in RA: DMARD Use. ACR Annual Scientific Meeting. October 16-21, 2004, San Antonio, TX.
60. Sampsel S*, **Saleh KJ**, MacLean C, Solomon D, Susman J, Saag K. Measuring Pain and Functional Assessment in Adults with Arthritis. ACR Annual Scientific Meeting. , October 16-21, 2004, San Antonio, TX.

61. **Saleh KJ***. Moderator Patella-Femoral Arthritis Symposium. AOA 117th Annual Meeting. June 23-26, 2004, Boston, MA.
62. **Saleh KJ***. TKA in Patella-Femoral Arthritis. AOA 117th Annual Meeting. June 23-26, 2004, Boston, MA.
63. **Saleh KJ***. 4th Annual Arthroplasty Course the Knee. Component removal in TKAR. May 2004, Minneapolis, MN.
64. **Saleh KJ***. Annual Arthroplasty Course. The Knee Patella in TKAR. May 2004, Minneapolis, MN.
65. **Saleh KJ***. Outcomes and Incomes: Clinical Application of Evidence Based Medicine. Symposium: MODEMS Lessons Learned. AAOS. March 19, 2004. San Francisco, CA.
66. **Saleh KJ***. Mode and frequency of Failure Necessitating TKAR: An Eighteen Center Prospective Cohort Study. AAOS. 2004, San Francisco, CA.
67. **Saleh KJ***. Outcomes for Revision Total Knee Replacement and Salvage Procedures Following Failed Primary TKR. NIH – Consensus Development Conference on Primary Total Knee Replacement. December 8-10, 2003, Bethesda, MD.
68. **Saleh KJ***. TKA Indications. Conference on Racial/Ethnic Disparities in Musculoskeletal Medicine. November 21, 2003, Bethesda, MD.
69. **Saleh KJ***. Why I Do a Posterior-Stabilized TKA for Most Primary TKA. AAOS Techniques in Knee Arthroplasty. October 10-12, 2003, Rosemont, IL.
70. **Saleh KJ***. Bone Grafts in Revision TKA (Femur/Tibia). AAOS Techniques in Knee Arthroplasty. October 10-12, 2003, Rosemont, IL.
71. **Saleh KJ***. Exposure Options in TKA. Harvard 33rd Annual Program – Advances in Arthroplasty, New Technologies, New Techniques. September 17-20, 2003, Boston, MA.
72. **Saleh KJ***. Revision TKA, Keynote Speaker: Patient Outcomes after Revision TKA. Harvard 33rd Annual Program – Advances in Arthroplasty, New Technologies, New Techniques. September 17-20, 2003, Boston, MA.
73. **Saleh KJ***. Economics of Arthritis. New Horizons in Minnesota Medicine. June 7, 2003, Minneapolis, MN.
74. **Saleh KJ***. Metaanalysis of Hip Fractures. National Conference on Undergraduate Research. University of Utah. March 2003, Salt Lake City, UT.
75. **Saleh KJ***. How to Make Money with Evidence Based Practice - Symposium. 70th Annual AAOS Meeting. February 2003, New Orleans, LA.

76. **Saleh KJ***. Instructional Course: Management of the Patella in Knee Arthroplasty. 70th Annual AAOS Meeting. February 2003, New Orleans, LA.
77. **Saleh KJ***. Osteolysis in THA. Hip and Knee Course. January 2003, Beaver Creek, CO.
78. **Saleh KJ***. Preoperative Planning in THA. Hip and Knee Course. January 2003, Beaver Creek, CO.
79. **Saleh KJ***. The Difficult Acetabulum. Hip and Knee Course. January 2003, Beaver Creek, CO.
80. **Saleh KJ***. Primary THA and Activity Level at Minimum 5-Year Average Follow-up. 44th Annual Meeting of Society of Military Orthopaedic Surgeons. December 2002, San Diego, CA.
81. **Saleh KJ***. Young Patients with Revision THA and Activity Level at Minimum 5-Year Average Follow-up. 44th Annual Meeting of Society of Military Orthopaedic Surgeons. December 2002, San Diego, CA.
82. **Saleh KJ***. THA in the Dysplastic Hip. Shoulder, Hip and Knee Course. November 2002, Key Largo, FL.
83. **Saleh KJ***. THA in the Difficult Hip. Shoulder, Hip and Knee Course. November 2002, Key Largo, FL.
84. **Saleh KJ***. AAOS Knee Arthroplasty Course. Allograft Use in Revision TKA. October 2002, Rosemont, IL.
85. **Saleh KJ***. AAOS Knee Arthroplasty Course. PCL Substitution in TKA. October 2002, Rosemont, IL.
86. **Saleh KJ***. The Lapidus Procedure as Salvage for Failed Bunion Surgeries: A Medium-Term Prospective Outcome Study. International Federation of Foot & Ankle Societies. September 12, 2002, San Francisco, CA.
87. **Saleh KJ***. Metaanalysis of Functional Outcome Following Revision Hip and Knee Surgery. Orthopaedic Clinical Outcomes Research Symposium. September 2002, Ponte Verda Beach, FL.
88. **Saleh KJ***. Economics in Arthroplasty Surgery. Orthopedic Clinical Outcomes Research Symposium. September 2002, Ponte Verda Beach, FL.
89. **Saleh KJ***. Revision Knee Surgery: The Road to EBM. Orthopedic Clinical Outcomes Research Symposium. September 2002, Ponte Verda Beach, FL.

90. **Saleh KJ***. The Validity of Palm-Top Computers in the Collection Process of Outcome Measures: A Randomized Crossover Study Design. Hip Society Meeting. September 2002, Rochester, MN.
91. **Saleh KJ***. Young Patients with Primary THA and Activity Level at Minimum 5-Year Average Follow-up. Hip Society Meeting. September 2002, Rochester, MN.
92. **Saleh KJ***. Functional Outcome Following Revision Hip and Knee Arthroplasty – Meta-Analysis. SICOT. August 24-27, 2002, San Diego, CA.
93. **Saleh KJ***, Kassim R. Complications Following Revision Hip Arthroplasty – Meta-Analysis. SICOT. August 24-27, 2002, San Diego, CA.
94. **Saleh KJ***. Effect of Baseline Functional Status and Pain on Outcome of Total Hip Arthroplasty. SICOT. August 24-27, 2002, San Diego, CA.
95. **Saleh KJ***. Comparability of Hand Held versus Paper-based Health Questionnaires. SICOT. August 24-27, 2002, San Diego, CA.
96. **Saleh KJ***. Predictors of Surgical Site Infection in Hip and Knee Joint Replacement Results of a 20-Year Surveillance Program. SICOT. August 24-27, 2002, San Diego, CA.
97. **Saleh KJ***. Extraskeletal Bone Formation by Calcium Phosphate Bone Graft Substitutes in the Canine. SICOT. August 24-27, 2002, San Diego, CA.
98. **Saleh KJ***. Predictive Validity of the Knee Society Index of Severity: A Prospective Multi-Center Cohort Study. SICOT. August 24-7, 2002, San Diego, CA.
99. **Saleh KJ***. The Lapidus Procedure as Salvage for Failed Bunion Surgeries: A Medium-Term Prospective Outcome Study. SICOT. August 25, 2002, San Diego, CA.
100. **Saleh KJ***. Gait Analysis of Cruciate Retaining vs. Substituting Following Sacrifice. Mid America Association. April 26, 2002, Tucson, AZ.
101. **Saleh KJ***. Health Economics of Joint Replacement. Vanderbilt University. November 15, 2001, Nashville, TN.
102. **Saleh KJ***. Impact of Arthritis. Emory University. November 13, 2001, Atlanta, GA.
103. **Saleh KJ***. Revision Total Hip Arthroplasty. Wake Forest University. November 10, 2001, Winston-Salem, NC.
104. **Saleh KJ***. Revision Total Knee Arthroplasty. University of North Carolina. November 9, 2001, Winston-Salem, NC.

105. **Saleh KJ***. Complex Primary Total Knee Arthroplasty. Duke University. November 8, 2001, Durham, NC.
106. **Saleh KJ***. Complex Primary Total Hip Arthroplasty. Carolinas Medical Center. November 7, 2001, Raleigh, NC.
107. **Saleh KJ***. Component Positioning in Total Knee Arthroplasty. University of Maryland. November 6, 2001, Baltimore, MD.
108. **Saleh KJ***. Complications in Total Hip Arthroplasty and Treatment. Johns Hopkins. November 4-5, 2001, Baltimore, MD.
109. **Saleh KJ***. Complications in Total Knee Arthroplasty and Treatment. Hospital Special Surgery. October 31-November 1, 2001.
110. **Saleh KJ***. Deep Vein Thrombosis in Joint Surgery. Hospital Joint Diseases. October 31-November 3, 2001.
111. **Saleh KJ***. Multicentre Studies in Orthopaedic Surgery. October 30, 2001, SUNY-Syracuse, NY.
112. **Saleh KJ***. Health Economics of Joint Replacement. University of Rochester. October 29, 2001, Rochester, NY.
113. **Saleh KJ***. Impact of Arthritis. Boston University/Brigham. October 24, 2001, Boston, MA.
114. **Saleh KJ***. Revision Total Hip Arthroplasty. Brown University. October 22, 2001, Boston, MA.
115. **Saleh KJ***. National Institutes of Health NIAMS Epidemiology/HSR/Clinical Trials: Prospects for Further Development in Orthopaedics. Economics of Musculoskeletal Disease. February 2, 2001, Bethesda, MD.
116. **Saleh KJ***. The Knee Society Index of Severity for Failed Total Knee Arthroplasty: Development and Validation. 67th Annual AAOS Meeting - Specialty Day. March 2000, Orlando, FL.
117. **Saleh KJ***. Long-Term Revision of Minor Column Structural Allografts in Revision Hip Arthroplasty. The Australian Arthroplasty Society. NOOSA. May 13, 1999, Queensland, Australia.
118. **Saleh KJ***. Uncemented THA Among Patients with Juvenile Rheumatoid Arthritis. 66th Annual AAOS Meeting - Scientific Program. February 1999, Anaheim, CA.

119. **Saleh KJ***. Revision THA with the Use of Massive Structural Acetabular Allograft and Reinforcement Ring: A Ten Year Average Follow-up. 66th Annual AAOS Meeting - Scientific Program. February 1999, Anaheim, CA.
120. **Saleh KJ***. Radiographic Classification of Failed Total Hip Arthroplasty: A Feasibility Study Using Group Technique. Symposium of Revision Hip Arthroplasty. Closed Hip Society Meeting. September, 1998, London, Ontario.
121. **Saleh KJ***. Radiographic Classification of Failed Total Hip Arthroplasty: A Feasibility Study Using Group Technique. Symposium of Revision Hip Arthroplasty, Canadian Orthopaedic Association Meeting. June 1998, Ottawa, Ontario.
122. **Saleh KJ***. Radiographic Classification of Failed Total Hip Arthroplasty: A Feasibility Study Using Group Technique. Symposium of Revision Hip Arthroplasty. August 1997, Toronto, Ontario.
123. **Saleh KJ***. Economic Evaluation in the Arthroplasty Literature. Canadian Orthopaedic Association, Symposium of Revision Hip Arthroplasty. August 1997, Toronto, Ontario.
124. **Saleh KJ***. Economic Evaluation in the Arthroplasty Literature. Canadian Orthopaedic Association, Symposium of Revision Hip Arthroplasty. Aug 1997, Toronto, Ontario; Canadian Orthopaedic Association Meeting. June 1998, Ottawa, Ontario.
125. **Saleh KJ***. Immediate Surgery versus Waiting List Policy in Revision Hip Arthroplasty: An Economic Evaluation. Canadian Orthopaedics Residents Association. May 1997, Toronto, Ontario.

Poster Presentations at National Meetings

1. **Saleh KJ**, Novicoff WM, Mihalko WM, Wang X, Knaebel HP. Primary Total Knee Arthroplasty: A Comparison of Computer-Navigated vs. Manual Techniques. American Orthopaedic Association. 122nd Annual Meeting. June 2009, Bonita Springs, FL.
2. **Saleh KJ**, Kam C, Manaswi A, Novicoff WM, Salomone MM, Mihalko WM, Illingworth K, Durieux ME. Extended Release Epidural Morphine Leads to Decreased Length of Stay in Total Hip Arthroplasty. 75th Annual AAOS Meeting. March 2008, San Francisco, CA.
3. **Saleh KJ**, Novicoff WM, Brown TE, Cui Q, Mihalko WM. Consumerism in Healthcare: The Impact of Public Reporting on Patient Outcomes. The National Academies Keck Futures Initiative Conference: The Future of the Human Healthspan. November 14-16, 2007, Irvine, CA.
4. Brubaker SM*, Sampsel S, **Saleh KJ**, MacLean C, Manaswi A, Mihalko WM, Cui Q, Brown TE. Patient Treatment Profiles in Rheumatoid Arthritis. 60th Annual Virginia Orthopaedic Society Meeting, May 4-6, 2007, Charlottesville, VA.

5. Manaswi A*, Brubaker SM, Salomone MM, Durieux ME, Mihalko W, Cui Q, Novicoff, W, **Saleh KJ**. Post-Operative Peripheral Nerve Blocks Delay PACU Discharge. 60th Annual Virginia Orthopaedic Society Meeting, May 4-6, 2007, Charlottesville, VA.
6. **Saleh KJ***. Does Patient Weight Determine Longevity of the Primary Implant in Total Knee Arthroplasty Revision. 74th Annual AAOS Meeting, February 14-18, 2007, San Diego, CA.
7. Kurtz SM, Ong K, Schmier JK, Mowat F, **Saleh KJ***, Malchau H, Lau E. Future Clinical and Economic Impact of Revision THA and TKA. 74th Annual AAOS Meeting, February 14-18, 2007, San Diego, CA.
8. Bennett D, Marulanda GA, **Saleh KJ***, Thontrangan I, Koskowski M, Cheng EY, Sharkey PF, Stiehl JB, Mont MA. Multicenter Analysis of Total Hip Arthroplasties: What are the Reasons for Revision? 74th Annual AAOS Meeting, February 14-18, 2007, San Diego, CA.
9. **Saleh KJ***. Current Evidence for the Optimal Management of Femoral Neck Fractures in the Elderly, 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, Il March, 8-12, 2006.
10. **Saleh KJ***, Mulhall K, Bershadsky B, Ghomrawi H. New Observations on the Effect of Weight and BMI on primary and revision Knee arthroplasty. February 23- 27, 72nd AAOS Washington.
11. **Saleh KJ***, Mulhall K, , Ghomrawi H, Bershadsky B. Prospective Validation of AOSRI and UPenn Systems in predicating actual Bone Loss at TKAR. February 23- 27, 72nd AAOS Washington.
12. **Saleh KJ***, Kane RL, Bershadsky B, Cheng EY. “Lessons Learned From the Hip & Knee Musculoskeletal Outcomes Data Evaluation and Management System (MODEMS).” American Geriatric Society, May 21-23.
13. **Saleh KJ***, Kane RL, Bershadsky B, Cheng EY. “Lessons Learned From the Hip & Knee Musculoskeletal Outcomes Data Evaluation and Management System (MODEMS).” AOA. Boston, MA, June 23-26, 2004.
14. Rapuri V, Parvizi J*, **Saleh KJ** , Sharkey P, Mont M. Patellar Resurfacing versus Non-Resurfacing During a Primary Total Knee Arthroplasty: A Metaanalysis. AAHKS, Dallas, TX, 2003.
15. Rapuri V , Parvizi J, **Saleh KJ***, Sharkey P, Mont M. Patellar Resurfacing versus Non-Resurfacing During a Primary Total Knee Arthroplasty: A Metaanalysis. AAOS, San Francisco, CA, 2004.

16. Mont M, **Saleh KJ***. Antibiotic Impregnated Cement in THA: A Metaanalysis Study. AAOS, San Francisco, CA, 2004.
17. Sechriest F, **Saleh KJ***, Kuskowski M, Kyle R. "Young Patients with Primary THA and Activity Level at Minimum 5-Year Average Follow-up." New Orleans, LA, February, 2003.
18. Yoon P, Hamson K, **Saleh KJ***. "Extraskkeletal Bone Formation by Calcium Phosphate Bone Graft Substitutes in the Canine." Combined American /Canadian Orthopaedic Association. Victoria, BC, 2002.
19. **Saleh KJ***, Resig S, Kassim R, Schmidt R, Gioe T. "Predictors of Wound Infection: Results from Twenty-Year VAMC Surveillance Program." AAOS. Dallas, TX, February 2002.
20. Holtzman J, **Saleh KJ***, Kane R. "Effect of Baseline Functional Status and Pain on Outcomes of Total Hip Arthroplasty." AAOS. Dallas, TX, February 2002.
21. Messner R, **Saleh KJ***, Chappius D, Mahowald M. "Musculoskeletal Medicine and Organ-Based. Teaching Approach." Central Region Group on Educational Affairs Assoc of American Medical Colleges of American Medical Colleges Spring Conference. Minneapolis, MN, March 15-18, 2001.
22. MaCaulay W, Potter H, **Saleh KJ***, Salvati E, Sculco T. "The Incidence of Early Proximal Venous Thrombosis after THA by Magnetic Resonance Venogram." The American Academy of Orthopaedic Surgeons 66th Annual Meeting Scientific Program. Anaheim, CA, February 1999.
23. **Saleh KJ***, Jaroczynski G, Woodgate I, Saleh L, Gross A. "Revision THA with the Use of Massive Structural Acetabular Allograft and Reinforcement Ring: A Ten Year Average Follow-Up." The Canadian Orthopaedic Association. St. John, Newfoundland, July 1999.
24. Jaroczynski G, Woodgate I, **Saleh KJ***, Gross A. "Survivorship of Total Joint Arthroplasty for Dysplastic Hips." The Canadian Orthopaedic Association. St. John, Newfoundland, July 1999.
25. Woodgate I, Jaroczynski G, **Saleh KJ***, Agnidias Z, Woodgate M, Gross A. "Long-term Review of Minor Column Structural Acetabular Allografts in Revision Hip Arthroplasty." The Canadian Orthopaedic Association. St. John, Newfoundland, July 1999.
26. **Saleh KJ***, Gafni A., Schatzker J. "Economic Evaluation in the Knee Arthroplasty Literature." American Academy for Orthopaedic Surgeons. New Orleans, LA, March 1998.

27. **Saleh KJ***, Gafni A., Schatzker J. “Economic Evaluation in the Knee Arthroplasty Literature.” Canadian Orthopaedic Association. Hamilton, Ontario, June 1997.
28. Iorio R, Healy W, Lumos D, Applesy D, Lucchsi C, **Saleh KJ***. “Displaced Neck Fractures in the Elderly: Methods of Treatment with Analysis of Outcomes and Cost-Effectiveness.” Eastern Orthopaedic Association. Puerto Rico, October 1998.
29. Iorio R, Healy W, Lumos D, Applesy D, Lucchsi C, **Saleh KJ***. “Displaced Neck Fractures in the Elderly: Methods of Treatment with Analysis of Outcomes and Cost-Effectiveness.” 7th Annual Fall Meeting of The American Association of Hip and Knee Surgeons. Dallas, TX, November 1997.
30. **Saleh KJ***, Wood K, Gafni A, Gross A. “Immediate Surgery versus Waiting List Policy in Revision Total Hip Arthroplasty: An Economic Evaluation.” American Academy of Orthopaedic Surgeons. New Orleans, LA, March 1998.
31. **Saleh KJ***, Wood K, Gafni A, Gross A. “Immediate Surgery versus Waiting List Policy in Revision Total Hip Arthroplasty: An Economic Evaluation.” Canadian Orthopaedic Association. Hamilton, Ontario, June 1997.
32. Wong PKC, King A, **Saleh KJ***, Hutchison C, Gross AE. “Acetabular Reconstruction Using Morsellized Allograft and Roof Ring Reinforcement in Revision Total Hip Arthroplasty.” Canadian Orthopaedic Association. Ottawa, Canada, June 1998.
33. **Saleh KJ***. “Decision Making Following Dislocation in the THA Patient .” 32nd Annual Hennepin County Medical Center Orthopaedic & Trauma Seminar. Common Knee Injuries. Minneapolis, Minnesota, October 19, 2002.
34. **Saleh KJ***. “Dislocation in Hip Surgery.” 32nd Annual Hennepin County Medical Center Orthopaedic & Trauma Seminar, Minneapolis, Minnesota, October 2002.
35. **Saleh KJ***. Use of Allograft in Revision Hip Surgery.” 31st Annual Hennepin County Medical Center Orthopaedic & Trauma Seminar, Minneapolis, Minnesota, November 4, 2001.
36. **Saleh KJ***. “Use of Allograft in Revision Hip Surgery.” 31th Annual Hennepin County Medical Center Orthopaedic & Trauma Seminar, Minneapolis, Minnesota, November 2001.

Regional Presentations

1. Bjorgul K, Novicoff WM, **Saleh KJ**. ASA Score May Be Used as a Comorbidity Index in Hip Fracture Surgery. To be presented at the 2009 OREF Virginia Area Resident Research Competition and Symposium, Charlottesville, VA. May 18, 2009.

2. Bjorgul K, Novicoff WM, **Saleh KJ**. Learning curves in hip fracture surgery. To be presented at the 2009 OREF Virginia Area Resident Research Competition and Symposium, Charlottesville, VA. May 18, 2009.
3. Bjorgul K, Novicoff WM, **Saleh KJ**. Limp as a Measure of Surgical Success After Total Hip Arthroplasty. To be presented at the 2009 OREF Virginia Area Resident Research Competition and Symposium, Charlottesville, VA. May 18, 2009.
4. Schuck MR, Novicoff WM, Perumal V, Abel M, **Saleh KJ**. Pain Management After Total Joint Arthroplasty. To be presented at the 2009 OREF Virginia Area Resident Research Competition and Symposium, Charlottesville, VA. May 18, 2009.
5. Messick K*, **Saleh KJ**, Novicoff WM, Brown TE, Cui Q, Mihalko WM. Mandated VTE Prophylaxis – Evidence of Possible Adverse Outcomes. 61st Annual Meeting of the Virginia Orthopaedic Society. Wintergreen, VA. May 2-4, 2008.
6. **Saleh KJ**, Novicoff WM, Bershady B, Ghomrawi H, Messick K*, Cui Q, Brown TE, Mihalko WM, Mullhall KJ. The Impact of Comorbidities on Outcomes in Revision TKA: A Two-Year Prospective Cohort Study. 61st Annual Meeting of the Virginia Orthopaedic Society. Wintergreen, VA. May 2-4, 2008.
7. **Saleh KJ**, Novicoff WM, Rion D, Messick K, Brown TE, Qui C, Mihalko WM. Does Concomitant Low Back Pain Affect Revision Total Knee Arthroplasty Outcome? 61st Annual Meeting of the Virginia Orthopaedic Society. Wintergreen, VA. May 2-4, 2008. (Poster)
8. Sampsel S, **Saleh KJ**, Novicoff WM, MacLean Catherine, Messick, K, Mihalko WM. Lack of Physician Compliance with Prescribing Conservative Treatment in Arthritis Patients. 61st Annual Meeting of the Virginia Orthopaedic Society. Wintergreen, VA. May 2-4, 2008. (Poster)
9. Novicoff WM, Taylor E, Cui Q, Messick K, Brown TE, Mihalko WM, **Saleh KJ**. Impact of Diabetes on Outcomes after Revision Total Knee Arthroplasty: A Prospective Cohort Study. 61st Annual Meeting of the Virginia Orthopaedic Society. Wintergreen, VA. May 2-4, 2008. (Poster)
10. Brubaker SM*, Novicoff W, Manaswi A, NAKAR Group, Brown TE, Cui Q, Mihalko WM, **Saleh KJ**. Does Concomitant Low Back Pain affect Total Knee Arthroplasty Revision Outcome? 60th Annual Virginia Orthopaedic Society Meeting, Charlottesville, VA. May 6, 2007.
11. **Saleh KJ***. Advances in Bone Defect Management in Revision Total Hip Arthroplasty. 60th Annual Virginia Orthopaedic Society Meeting, Charlottesville, VA. May 6, 2007.
12. **Saleh KJ***. Avascular Necrosis. University of Virginia, Department of Surgery, Grand Rounds, Charlottesville, VA. July 19, 2006.

13. **Saleh KJ***. Leaders in Academic Medicine: Leadership and Reflections of a 2005 Graduate.
14. **Saleh KJ***. What's New in Arthroplasty: What Primary Care Physicians Need to Know. Rockingham Memorial Hospital, Harrisonburg, VA. October 4, 2005.
15. **Saleh KJ***. Economics of Joint Replacement Procedures. University of Virginia, HSF Board Meeting. Charlottesville, VA. March 24, 2005.
16. **Saleh KJ***. TKAR Outcomes: Does The End Justify The Means. University of Virginia Annual Orthopaedic Alumni Meeting. Charlottesville, VA. October 21, 2004.
17. **Saleh KJ***. Periprosthetic Fractures: The Good The Bad and the Ugly, University of Virginia Annual Orthopaedic Alumni Meeting. Charlottesville, VA. October 22, 2004.
18. **Saleh KJ***. Acetabular Revisions: University of Virginia Annual Orthopaedic Alumni Meeting. Charlottesville, VA. October 22, 2004.
19. **Saleh KJ***. Periprosthetic Fractures: The Good, The Bad and the Ugly. University of Virginia Annual Orthopaedic Alumni Meeting, Charlottesville, VA. October 22, 2004.
20. **Saleh KJ***. Smiley's Clinic "Alternatives in the Management of Osteoarthritis of the Knee." August 26, 2003.
21. **Saleh KJ***. Recent Developments in the Management of Deep Vein Thrombosis (DVT) Following Arthroplasty Surgery." Anti-Coagulation Symposium, May 18th, North Dakota School of Medicine 2002.
22. **Saleh KJ***. "Gait Analysis of Cruciate Retaining vs. Substituting following Sacrifice." Minnesota Orthopaedic Society's Eighteenth Annual Meeting. May 17, 2002.
23. **Saleh KJ***. "Orthopaedic Emergencies." Family Practice Review Symposium, Office of Continuing Medical Education, Minneapolis, MN. May 9, 2002.
24. **Saleh KJ***. Yoon P. Gait Analyses Comparison of Cruciate Retaining vs Substituting Arthroplasty Following PCL Sacrifice. MAOA 20th Annual Meeting, Tucson AZ. April 26, 2002.
25. **Saleh KJ***. "Recent Developments in the Management of Deep Vein Thrombosis (DVT) Following Arthroplasty Surgery." Geriatric Medicine and Drug Therapy Symposium. February 27-28, 2002.
26. **Saleh KJ***. "Total Knee Arthroplasty in Patients on Workman Compensation: A Matched Cohort Study with an Average Follow-up of 4.5 Years." Minnesota Orthopaedic Society's 18th Annual Meeting. May 17, 2002.

27. **Saleh KJ***. “Predictive Validity of the Knee Society Index of Severity: A Prospective Multicenter Cohort Study.” Minnesota Orthopaedic Society’s 18th Annual Meeting. May 17, 2002.
28. **Saleh KJ***. Gender Bias in Total Hip Replacement. 17th Annual Minnesota Orthopaedic Society Meeting, Minneapolis, MN. May 18, 2001.
29. **Saleh KJ***. Effect of Baseline Functional Status and Pain on Outcomes of Total Hip Arthroplasty. 17th Annual Minnesota Orthopaedic Society Meeting, Minneapolis, MN. May 18, 2001.
30. **Saleh KJ***. Severity Measures in Revision Knee Surgery. 17th Annual Minnesota Orthopaedic Society Meeting, Minneapolis, MN. May 18, 2001.
31. **Saleh KJ***. The Reliability and Prognostic Intraoperative Validity of Preoperative Assessment of Standardized Plain Radiographs in Assessing the Degree of Bone Loss in Revision Hip Surgery. Minneapolis, MN. May 18, 2001.
32. **Saleh KJ***. “Outcomes in Revision Hip and Knee Arthroplasty.” Grand Rounds Mayo Clinic. Rochester, MN. March 14, 2001.
33. **Saleh KJ***. Current Issues in Revision Hip & Knee Arthroplasty. Zimmer Inc, Aberdeen, SD. November 11, 2000.
34. **Saleh KJ***. “Use of Allograft in Revision Hip Surgery.” 30th Annual Hennepin County Medical Center Orthopaedic & Trauma Seminar, Minneapolis, MN. November 4, 2000.
35. **Saleh KJ***. Tri-County Hospital Continuing Education Teleconference, Wadena, MN. April 3, 2000.
36. **Saleh KJ***. “Patient Perceived Outcome Following Lumbar Spine Fusion for Low Back Pain: A Prospective, Randomized Comparison of Posterior Spinal Fusion and Posterior Spinal Fusion Combined with Posterior Lumbar Interbody Fusion.” 16th Annual Minnesota Orthopaedic Society Meeting. Minneapolis, MN. May 12, 2000.
37. **Saleh KJ***. “Predictors of Wound Infection in Hip and Knee Joint Replacement: A Case Control Study.” 16th Annual Minnesota Orthopaedic Society Meeting. Minneapolis, MN. May 12, 2000.
38. **Saleh KJ***. Outcomes Research. 16th Annual Minnesota Orthopaedic Society, Minneapolis, MN. May 12, 2000.
39. **Saleh KJ***. Outcome Studies in Revision Hip Surgery. Orthopaedic Grand Rounds, University of Minnesota, Minneapolis, MN. January 22, 1999.

40. **Saleh KJ***. Outcome Studies in Revision Hip Surgery. Orthopaedic Grand Rounds Hospital For Special Surgery, New York, NY. December 1998.
41. **Saleh KJ***. Test Reliability and Validation of a New Severity Index for Revision Hip Surgery. Orthopaedic Grand Rounds, University of Chicago, Chicago, IL. October 1998.
42. **Saleh KJ***. Severity Index for Failed Total Knee Arthroplasty. The Hospital for Special Surgery, New York, NY. September 1998.
43. **Saleh KJ***. Economic Evaluation in the Knee Arthroplasty Literature. Kennedy Day Visiting Professorship, Toronto, Ontario. June 1997.
44. **Saleh KJ***. The Cost of Joint Replacement. Arthritis Day University of Toronto. February 1997.
45. **Saleh KJ***. Immediate Surgery versus Waiting List Policy in Revision Hip Arthroplasty: An Economic Evaluation. Kennedy Day Visiting Professorship (winner of R. Sullivan Award for Excellence in Research). Toronto, Ontario. October 1996.

XXIII. Invited Lectures and Symposiums

- 2009 University of Pittsburgh Medical Center, Department of Orthopaedic Surgery, Visiting Professor, Pittsburgh, PA, September 8-9, 2009.
- 2008 B Braun/Aesculap, Expertise in Orthopaedic Navigation – Washington, Meta-Analysis in Primary and Revision TKA and THA in Particular for Navigated Versus Manual Techniques, Washington, DC, September 9-10, 2008.
- 2007 Ohio State University, Department of Orthopaedic Surgery, Visiting Professor, Columbus, OH, October 28-30, 2007.
- 2007 University of South Carolina, Department of Orthopaedic Surgery, Visiting Professor, Columbia, SC, October 25-26, 2007.
- 2007 University of Miami, Department of Orthopaedic Surgery, Grand Rounds, Miami, FL, January 18, 2007.
- 2006 Stein-Finerman Lecturer, Johns Hopkins Department of Orthopaedic Surgery, Clinician-Scholar Program, Baltimore, MD, December 7, 2006.
- 2006 4th Annual Conference of the National Academies Keck Futures Initiative (NAKFI), Beckman Center in Irvine, CA, November 9-11, 2006. "Smart Prosthetics: Exploring Assistive Devices for the Body and Mind".

- 2006 Moderator, Build a Smart Prosthesis that will Grow with a Child (such as a heart valve or cerebral shunt, or a self healing prosthesis), 4th Annual Conference of the National Academies Keck Futures Initiative (NAKFI), Beckman Center in Irvine, CA, November 9-11, 2006. "Smart Prosthetics: Exploring Assistive Devices for the Body and Mind".
- 2006 Pre-Conference Web Casts, National Academies Keck Futures Initiative (NAKFI) from Irvine CA in September and early October, 2006. "Patient/Subject Risk-Benefit Considerations."
- 2006 Moderator, Pre-Conference Web Casts, National Academies Keck Futures Initiative (NAKFI) from Irvine CA in September and early October, 2006. "Patient/Subject Risk-Benefit Considerations."
- 2006 Burnout Symposia In Orthopaedic Leadership. 119th AOA Annual Meeting, San Antonio, TX, June 24, 2006.
- 2006 Presidential Speaker Annual Dale Daniel Orthopedic Symposium. Marriott Desert Springs Hotel and Resort, California, January 13-15, 2006.
- 2006 Philadelphia Orthopaedic Society Corn Lecturer, January 9.
- 2005 AAOS Outcomes SIG meeting. DC Convention Center, February 25, 2005.
- 2004 Columbia University, Visiting Professor, New York, NY, November 18, 2004.
- 2003 Dartmouth –Hitchcock University, Visiting Professor, Hanover, NH, October 24, 2004.
- 2003 NIAMS/Office of Medical Applications of Research (OMAR). Consensus Development Total Knee Replacement. Predictors of Outcome - Revision Knee Arthroplasty, December 8, 2003.
- 2003 AHRQ/AAOS Conference on Racial/Ethnic Disparities in Musculoskeletal Medicine, November 21, 2003.
- 2003 Keynote Speaker: Patient Outcomes after Revision TKA. Harvard 33rd Annual Program – Advances in Arthroplasty, Boston, MA. September 18, 2003.
- 2003 Current Techniques in Knee Arthroplasty: Primary & Revision. University of Western Ontario, Ontario, September 4, 2003.
- 2002 Outcomes in Arthroplasty. Keynote Speaker, University of Pennsylvania, Visiting Arthroplasty Professor, Philadelphia, PA, 2002.
- 2002 Complications in Total Hip Arthroplasty. Keynote Speaker, Symposium of Deep Vein Prophylaxis, St Louis MO, April 5, 2002.
- 2001 Mayo Clinic Arthroplasty Keynote Speaker, Department of Orthopaedic Surgery, Rochester MN, March 14, 2001.

- 2001 National Institutes of Health NIAMS Epidemiology/HSR/Clinical Trials: Prospects for Further Development in Orthopaedics, Bethesda MD, NIAMS Chairman: Stephen Katz, MD, February 2, 2001.
- 2001 Health Economics of Musculoskeletal Medicine. New Horizons in Minnesota Medicine - Minnesota Medical Foundation, Minneapolis MN, June 2, 2001.
- 1999 Outcome Studies in Revision Hip Surgery. Orthopaedic Grand Rounds University of Arizona, Tucson, Arizona, January 27, 1999.

XXIV. Community

- 2009 Explorations. Research Highlights from the University of Virginia. The Success Factors for Hip Replacement Surgery. Winter 2009.
- 2007 UVA Offers Latest Hip Repair Techniques, Experienced Surgeons. Physicians Practice. UVA Health System Today. May 2007. PA2.
- 2007 The Daily Progress. Vital Signs – Arthritis. Minimally Invasive Hip Replacement: A Treatment for Osteoarthritis. March 2007.
- 2007 Hip To It by Polly Turner, Vim & Vigor. Spring 2007. Page 53-55
- 2007 Medicare Patients: Keep an Eye on Your Insurance Coverage. Tricare News. February 17, 2007.
- 2007 Medicare Patients: Keep an Eye on Your Insurance Coverage. Times Record News. Wichita Falls, TX. February 14, 2007.
- 2007 Patients at UVA Can Benefit from Computer-Assisted Knee Replacements. Physician's Practice, UVA Health System Today. January 2007. Page A4.
- 2006 House Call. NBC 29. Charlottesville, VA. September 19, 2006.
- 2006 Arthritis Prevention by D. Foltz Gray. Arthritis Today. May-June 2006.
- 2005 When Your Joints Hurt. CBS Evening News. Charlottesville, Virginia, July 1, 2005.
- 2005 The Daily Progress. Vital Signs – Arthritis. June 15, 2005.
- 2005 House Call. NBC 29. Charlottesville, Virginia. May 2005.
- 2003 Saving Time and Money with Evidence-Based Practice, By Sandra Lee Breisch, Today's News, February 2003.
- 2002 Star Tribune "Osteochondral Transplantation in Knee Surgery," August 2002.

- 2002 KARE 11 Evening News: “Baby Boomers.” April 2002.
- 2002 Health Talk and You: Television Panel Discussion on Geriatrics, University of Minnesota Medical School, March 2002.
- 2001 University of Minnesota Medical Bulletin: Improving the Lives of Thousands, One Step At A Time. June 2001.
- 2001 Health Talk and You: Television Panel Discussion on Joint Replacement. University of Minnesota Medical School, April 2001.
- 2000 Orthopaedic Research Education Foundation: Impact. March 2000.
- 2000 Health Talk and You: Television Panel Discussion on Joint Replacement. University of Minnesota Medical School, March 2000.
- 2000 Development of www.walkon.umn.edu for patients, residents, and medical students. March 2000.
- 2000-2003 Minnesota Mentor Connection High School Gifted Program.