

CURRICULUM VITAE

Ran Schwarzkopf, M.D., M.Sc.

Department of Orthopaedic Surgery

Division of Adult Reconstruction Surgery, Department of Orthopaedic Surgery

NYU Hospital for Joint Diseases, NYU Langon Medical Center

Email: ran.schwarzkopf@nyumc.org

301 East 17th Street, New York, NY 10003

CURRENT POSITIONS

Associate Professor of Orthopaedic Surgery 2015 - Present
Division Chief of Joint Replacement Bellevue Hospital
Director of the Knee Center, Joint Preservation and Arthritis Center
Site Director of NYU/ISK Adult Reconstruction Fellowship
Director of Research Division of Adult Reconstruction Surgery
Department of Orthopaedic Surgery
NYU Hospital for Joint Diseases
NYU Langon Medical Center

EDUCATION

Ben-Gurion University Beer Sheva, Israel	Bachelor of Science Graduated Summa Cum Laude	2002
Ben-Gurion University Beer Sheva, Israel	Master of Science, Biomedical Engineering Graduated Summa Cum Laude	2005
Ben-Gurion University Beer Sheva, Israel	Medical Doctor Graduated Summa Cum Laude	2006 Valedictorian
Rabin Medical Center Rotating Internship Beilinson and Schneider Campuses, Petach-Tikva, Israel		2005 - 2006
NYU Hospital for Joint Diseases	Residency, Orthopaedic Surgery	2006-2011

New York, NY

Brigham and Women's Hospital Fellow in Adult Reconstruction Surgery 2011-2012
Harvard Medical School, Boston Department of Orthopaedics

ACADEMIC APPOINTMENTS

Associate Orthopaedic Surgeon 8/2011 – 7/2012
Brigham and Women's Hospital, Harvard Medical School
Department of Orthopaedic Surgery

Assistant Clinical Professor II 10/2012 – 6/2014
University of California, Irvine
Department of Orthopaedic Surgery

Assistant Professor of Clinical Orthopaedic Surgery III 7/2014 – 6/2015
University of California, Irvine, Senate Member
Department of Orthopaedic Surgery

Volunteer Attending Orthopaedic Surgeon 7/2015 – 8/2015
Tel-Aviv "Sourasky" Medical Center
Tel-Aviv University, Tel-Aviv, Israel
Adult Reconstruction Surgery Unit, Division of Orthopaedic Surgery

Assistant Professor of Orthopaedic Surgery 9/2015 – 8/2017
NYU Hospital for Joint Diseases, Langone Medical Center
Division of Adult Reconstruction Surgery, Department of Orthopaedic Surgery

Associate Professor of Orthopaedic Surgery 9/2017 – Present
NYU Hospital for Joint Diseases, Langone Medical Center
Division of Adult Reconstruction Surgery, Department of Orthopaedic Surgery

Division Chief of Joint Replacement 9/2015 – Present
Bellevue Hospital, NYU Medical School
Department of Orthopaedic Surgery

Site Director of NYU/ISK Adult Reconstruction Fellowship 9/2015 - Present

Director of the Knee Center 4/2016 – Present
Joint Preservation and Arthritis Center
NYU Hospital for Joint Diseases, NYU Medical School
Department of Orthopaedic Surgery

Visiting Associate Professor of Orthopaedic Surgery 8/2015 – Present
Tel-Aviv “Sourasky” Medical Center
Tel-Aviv University, Tel-Aviv, Israel
Adult Reconstruction Surgery Unit, Division of Orthopaedic Surgery

PROFESSIONAL APPOINTMENTS

Attending in Orthopaedic Surgery 10/2012 – Present

MILITARY EXPERIENCE – IDF (ISRAELI DEFENCE FORCE)

Lieutenant, Israel Defense Forces, 1993 – 1997.

Graduated officer school with honors.

Commanded a special forces platoon and later became an operations officer.

Upon discharge, I am positioned as a combat doctor during reserve duty.

HONORS AND AWARDS

Suzan Zlotovsky honor scholarship, full medical school annual academic tuition 1998-1999

Suzan Zlotovsky honor scholarship, full medical school annual academic tuition 1999-2000

Summa Cum laude (BSc), Ben-Gurion University Medical School 2002
Beer Sheva, Israel

Ben-Gurion University Medical School, annual Honors Award for academic excellence (Dean's list)	2003
Ben-Gurion University Medical School, annual Honors Award for academic excellence (Dean's list)	2004
Department of Biomedical Engineering, Ben-Gurion University Honor scholarship	2004
Department of Biomedical Engineering, Ben-Gurion University Full academic scholarship	2004
The Endocrine Society medical student achievement award for outstanding achievements in endocrinology	2004
Albert Einstein College of Medicine, NY and Ben-Gurion Medical School Scholarship for academic excellence (\$2500 + 2 months of senior elective tuition at AECOM)	2004
Department of Biomedical Engineering, Ben-Gurion University Honor scholarship	2005
Department of Biomedical Engineering, Ben-Gurion University Full academic scholarship	2005
Summa Cum laude (MSc), Department of Biomedical Engineering Ben-Gurion University, Beer Sheva, Israel	2005
First choice of Internship placement Awarded annually to top 5% of Israel's medical students	2005
Summa Cum laude (MD), Ben-Gurion University Medical School Beer Sheva, Israel	2006
Valedictorian of Ben-Gurion University Medical School's 25 th class	2006
Arthritis Foundation New York Chapter Orthopaedic Fellowship Award Grant (\$50,000)	2008
Hospital for Joint Diseases Resident Clinical Research Award The Frauenthal Clinical Research Award (\$250)	2009
Current Concepts Foundation Scholarship, CCJR	2009
Hospital for Joint Diseases Resident Clinical Research Award The Frauenthal Clinical Research Award (\$250)	2010
OREF (Orthopaedic Research and Education Foundation) Young Investigator Grant in Total Joint Arthroplasty (\$50,000)	2012

American Academy of Orthopaedic Surgeons (AAOS) Clinician Scientist Development Program	2012
American Orthopaedic Association (AOA) Emerging Leaders Program	2013
Kevin L. Armstrong, M.D. Clinical Faculty Teaching Award 2013 Department of Orthopaedic Surgery, University of California, Irvine	
The Hip Society Rothman-Ranawat Traveling Fellowship	2014
UC Irvine Faculty EduProject and iPad Innovation Program Award	2014
Orange County Arthritis Foundation Medical Honoree	2014
Western Orthopaedic Association Resident Research Award, Faculty Mentor	2014
Western Orthopaedic Association/ Orthopaedic Research Education Foundation Young Investigator Award	2014
Generation Next, Leaders in Total Joint Replacement 2015	
11th Annual Lawrence D. Dorr, MD Award for the most outstanding paper in surgical techniques and technologies, 25 th AAHKS annual Meeting	2015
2016 Resident Writer's Award, Second Place Award, American Journal of Orthopedics 2016 Patient Reported Outcome Measures: how do digital tablets stack up to paper forms? A randomized, controlled study. (co-author).	
Norman W. Scott M.D. NYU/ISK Adult Reconstruction Fellowship Teaching Award	2017

RESEARCH SUPPORT

Under Review

Orthopaedic Research and Education Foundation (OREF). Richard Iorio (Principal Investigator), Schwarzkopf, Ran (co-Investigator, NYULMC, HJD). Peri-operative Orthopaedic Surgical Home (POSH) to Assess and Manage Modifiable Risk Factors prior for Primary or Revision Hip or Knee Arthroplasty: Comparative Effectiveness of Surgeon Directed vs Risk Coordinator Directed Approaches . Award request \$135,000. Sponsor NYULMC.

Agency for Healthcare Research and Quality (AHRQ). Iorio, Richard and Karia, Raj (Principle Investigators, NYULMC HJD), Schwarzkopf, Ran (Co-Investigator). Peri-operative Orthopaedic Surgical Home (POSH) to Assess and Manage Modifiable Risk Factors prior for Primary or

Revision Hip or Knee Arthroplasty: Comparative Effectiveness of Surgeon Directed vs Risk Coordinator Directed Approaches. Award request \$4.5 million. Sponsor NYULMC.

Orthopaedic Research and Education Foundation. Vigdorichik, Jonathan (Principle Investigator), Schwarzkopf, Ran (Co-Investigator) NYULMC, HJD). Robotic Assisted Surgery for TKA. Award request \$90,000. Sponsor NYULMC.

On Going

3D – printed cutting guides for total knee arthroplasty: an economic feasibility study 6/2017
NYU Hospital for Joint Diseases Resident Research Award - \$5000
Role: Mentor

Smith&Nephew Sponsored Research Grant 6/2017
Establishment of A National Implant Outcomes Data Registry
Multicenter national total joint arthroplasty registry - \$874,618
Role: Principal Investigator

Measuring Physical Activity after Total Joint Arthroplasty by Using Wearable Activity Trackers. ID S16-00742. 4/2017
NYU Hospital for Joint Diseases Resident Research Award - \$5000
Role: Mentor

Surgical Weight-Loss to Improve Functional Status Trajectories Following Total Knee Arthroplasty (SWIFT Trial) NCT02598531. 9/2016
Prospective study examining whether surgical weight loss improves functional and perioperative outcomes of subsequent total knee arthroplasty. \$300,000.
Role: Site Co-Investigator

Pacira Pharmaceutical Sponsored Trial 4/2016
RCT examining the efficacy of Periarticular injections in TKA
Role: Principal Investigator

Completed

OMeGA Residency/General Educational Grant (\$3045) 7/2014
iPad Utilization for Resident Fracture Reduction Education
Role: Faculty Sponsor

UC Health Center for Health Quality & Innovation, (“CHQI”) (\$80.000) 2/2014-2/2015
“Episode of Care Bundled Payments for Total Joint Arthroplasty”
Role: Co-investigator

Faculty iPad Innovation Pilot 2/13/2014-7/13/2014
iMedEd initiative
Academy for Innovation in Medical Education
Role: Principal Investigator

Institute for Clinical and Translational Science Pilot Grant (\$27,500) 08/01/2013-07/31/2013
Study of Knee Cartilage Degeneration by Novel Orientation/Thickness Dependent T2 and T1rho
Mapping Approach
Role: Co-Investigator

Investigator Initiated Research Grant by Pacira Pharmaceutical 10/1/2013-9/30/2014
(\$12,000) Unrestricted – Randomized Controlled Clinical Trial of two different periarticular
injections for pain control following Total Knee Arthroplasty
Role: Principal Investigator

Summer Undergraduate Research Program/UROP 6/1/2014-9/1/2014
(ID-SURP) Fellowship (\$1200) – Linda, Doan
Factors in Determining Discharge Destination for Patients Undergoing Joint Replacement: A
Retrospective Study
Role: Co-Investigator/Sponsor

Dean’s Summer Research, UCI Medical School-Tran Jonathan (\$2,000) 6/1/2014-9/1/2014
Periarticular infiltration for pain control in total knee arthroplasty
Role: Co-Investigator/Sponsor

Multidisciplinary Design Program (MDP) program 11/1/2013-6/01/2014
Undergraduate Research Opportunity Program, University of California Irvine
Evaluation of Gait Parameters and Physical Activity Level in Total Hip and Knee Arthroplasty
Patients Using a Pressure and Acceleration Sensing Insole
Role: Principal Investigator

Interdisciplinary Summer Undergraduate Research Program 6/1/2013-9/1/2013
(ID-SURP) Fellowship (\$1000) – Jenny, Ho
Determining Factors of Total Hip Replacement and Total Knee Replacement Patients, Discharge
Destinations and Outcomes
Role: Co-Investigator/Sponsor

Dean’s Summer Research, UCI Medical School-Brodsky, Merrick (\$2,000) 6/1/2013-9/1/2013
Outcomes of Patient Specific Implants in Total Knee Arthroplasty
Role: Co-Investigator/Sponsor

OREF Young Investigator Grant (\$50,000) 07/01/2012-06/30/2013
Patient Willingness to Participate in Total Joint Arthroplasty New Technology Cost, and Risk
Aversement
Role: Principal Investigator

Arthritis Foundation Orthopaedic Fellowship Grant. (\$50,000) 07/01/2008-06/30/2009
Acoustic Emission Studies
Role: Principal Investigator

RESEARCH EXPERIENCE

Department of Orthopaedic Surgery, NYU Langone Medical Center Hospital For Joint Diseases, Laboratory for Minimally Invasive Surgery, and Division of Adult Reconstruction
9/2016 - Present

CO-Investigator: Dr Peter Walker, Dr Thomas Einhorn, Dr Richard Iorio

Research focused on: Biomechanics of TKA, outcomes of TJA, and Health Economics.

Department of Orthopaedic Surgery, Veterans Affairs Hospital, Orthopaedic Biomechanical Research Lab. UC Irvine Medical Center, Orange, CA, 10/2012-6/2015

CO-Investigator: Prof Thay Lee.

Research Focused on: Knee and hip arthroplasty biomechanics.

Department of Orthopaedic Surgery, Orthopaedic and Arthritis Center for Outcomes Research, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, 8/2011-7/2012

Preceptor: Dr Thomas S Thornhill, Dr Richard D Scott, Dr Daniel Estok, and Dr Jeffrey N Katz.

Research focused on: Arthroplasty clinical outcome studies.

Department of Orthopaedic Surgery, Musculoskeletal Research Center, NYU Hospital for Joint Diseases, New-York, NY, 7/2007-6/2011

Preceptor: Dr Kenneth A. Egol, Prof Frederick J. Kummer, Prof Peter S. Walker, Dr James Slover.

Research focused on: Biomechanics of fractures, clinical and biomechanical devices and arthroplasty outcome studies.

Department of Orthopaedic Surgery, NYU Hospital For Joint Diseases, Laboratory for Minimally Invasive Surgery, Veterans Affairs Medical Center, New-York, NY, 7/2007-6/2011

Preceptor: Dr Peter Walker

Research focused on: Biomechanics of knee arthroplasty.

Department of Orthopaedic Surgery, Bioengineering Laboratory, Massachusetts General Hospital, Harvard Medical School, Boston, USA, 2-3/2005.

Preceptor: Dr Guoan Li and Dr James Herndon

Research focused on: Biomechanics and anatomy of the interosseous ligament in forearm.

Department of Biotechnology Engineering and The Institute for Applied Biosciences, Ben-Gurion University, Beer Sheva, Israel, 2002-2005.

Preceptor: Prof Smadar Cohen

Research focused on: Cardiac cell tissue engineering, with in-vitro and in-vivo experimental experience.

PUBLICATIONS

Full Length Manuscripts

1. Schwarzkopf R, Pinsk V, Weisel Y, Atar D, Gorzak Y. Clinical and Genetic Aspects of Congenital Insensitivity to Pain with Anhidrosis. *Harefuah*, 2005; 144: 433-437. PMID: 15999564.
2. Schwarzkopf R, Shachar M, Dvir T, Dayan Y, Holbova R, Leor J, Cohen S. Autospices and Post-Myocardial Infarction Sera Enhance the Viability, Proliferation, and Maturation of 3D Cardiac Cell Culture. *Tissue Engineering*, Dec 2006; Vol. 12, No 12: 3467-3475. PMID: 17518683.
2. Schwarzkopf R, Liberman N, Shvartzman P, Rath E. Radial side hand and wrist pain: Diagnosis and treatment of common problems. *J Chinese Clinical Medicine*, July 2007; Vol 2, No 7: 401-406.
3. Schwarzkopf R, Rath E. Metabolic Cause of Shoulder Impingement Syndrome. *J Chinese Clinical Medicine*, September 2007; Vol 2, No 9: 513 -515.
4. Pelham F, Schwarzkopf R, Glamoria P, McLaurin TM. Vacuum-assisted Closure with Bone Transport in the Management of Complex Soft-tissue and Bone Defects - A Case Study. *US Musculoskeletal Review*, 2007; 2: 33-36.
5. Schwarzkopf R, Oron A, Loebenberg M. Shoulder Pain: Assessment, Diagnosis and Treatment of Common Problems. *Harefuah*, 2008 Jan; 147(1): 71-76, 93. PMID: 18300628.
6. Schwarzkopf R, DeFrate L, Li G, Herndon J. The Quantification of the Origin Area of the Deep Forearm Musculature on the Interosseous Ligament. *Bull NYU Hosp Jt Dis*, 2008; 66(1): 9-13. PMID: 18333822.
7. Schwarzkopf R, Ishak C, Elman M, Gelber J, Strauss DN, Jazrawi LM. Distal Clavicular Osteolysis: a review of the literature. *Bull NYU Hosp Jt Dis*, 2008; 66(2): 94-101. PMID: 18537776.
8. Oron A, Schwarzkopf R, Loebenberg M. Tennis elbow (lateral epicondylitis) assessment and treatment. *Harefuah*, 2008 Apr; 147(4): 340-3, 373. PMID: 18686818.
9. Strauss EJ, Schwarzkopf R, Kummer F, Egol KA. The current status of locked plating: the good, the bad, and the ugly. *J Orthop trauma*. 2008 Aug; 22(7): 479-86. doi: 10.1097/BOT.0b013e31817996d6. PMID: 18670289.

10. Grossman JA, Ruchelsman DE, Schwarzkopf R. Iatrogenic Spinal Accessory Nerve Injury In Children. *J Pediatr Surg*. 2008 Sep; 43(9): 1732-5. doi: 10.1016/j.jpedsurg.2008.04.029. PMID: 18779017.
11. Schwarzkopf R, Alwattar BJ, Eric M, Noel T. Multidisciplinary Approach to Revision of Failed Total Hip Arthroplasty with Significant Pelvic Discontinuity and Intrapelvic Protrusion of the Femoral and Acetabular Components. *J Chinese Clinical Medicine*, December 2008; Vol 3, No 12: 704-705.
12. Pelham F, Schwarzkopf R, Glamoria P, Egol K. A Novel Technique in Staged Lower Extremity Wound Closure: Implantation of the V.A.C. Dressing Foam with Delayed Primary and Random Pattern Flaps. *Curr Ortho Practice*, 2010; 21(1): 96-104. doi: 10.1097/BCO.0b013e3181b67500.
13. Schwarzkopf R, Chung C, Park JJ MD, Walsh M, Spivak JM, Steiger D. The Effects of Perioperative Blood Product Use on Surgical Site Infection Following Thoracic and Lumbar Spinal Surgery. *Spine*. 2010 Feb; 35(3): 340-346. doi: 10.1097/BRS.0b013e3181b86eda. PMID: 20075776.
14. Park JJ, Quirno M, Schwarzkopf R, Cunningham M, Bendo J, Spivak J, Goldstein J. Analysis of Segmental Cervical Spine Vertebral Motion Following Prodisc-C Cervical Disc Replacement. *Spine*. 2010 April; 35(8):E285-9. doi: 10.1097/BRS.0b013e3181c88165. PMID: 20354472.
15. Schwarzkopf R, Takemoto R, Immerman I, Slover J, Bosco J. Prevalence of Staphylococcus Aureus Colonization in Orthopaedic Surgeons and Their Patients: A Prospective Cohort Controlled Study. *J Bone Joint Surg Am*. 2010 Sep;92(9):1815-9. doi: 10.2106/JBJS.I.00991. PMID: 20610774.
16. Schwarzkopf R, Katz G, Walsh M, Lafferty PM, Slover JD. Medical Clearance Risk Rating as a Predictor of Perioperative Complications after Total Hip Arthroplasty. *J Arthroplasty*. 2010 May 7. Epub. 2011 Jan; 26(1):36-4. doi: 10.1016/j.arth.2010.03.012. PMID: 20452180.
17. Schwarzkopf R, Chaudhry S, Marwin SE. Failure of the Tibial Insert in a Rotating Hinged Total Knee Arthroplasty. *J Arthroplasty*. 2011 Sep;26(6):977.e5-8. Epub 2010 Sep 25. doi: 10.1016/j.arth.2010.08.008. PMID: 20870381.
18. Rath E, Schwarzkopf R, Richmond JC. Clinical Signs and Anatomical Correlation of Patellar Tendinitis. *Indian J Ortho*. 2010 Oct;44(4): 435-437. doi: 10.4103/0019-5413.69317. PMID: 20924486.
19. Bergal L, Schwarzkopf R, Walsh M, Tejwani N. Patient participation in surgical site marking: Can This Be an Additional Tool to Help Avoid Wrong-Site Surgery? *J Patient Saf*. 2010 Dec; 6(4): 221-5. PMID: 21500609.
20. Alwattar BJ, Schwarzkopf R, Kirsch T. Stem Cells in Orthopaedics and Fracture Healing. *Bull NYU Hosp Jt Dis*. 2011;69(1):6-10. PMID: 21332433.

21. Arno S, Maffei D, Walker P, Schwarzkopf R, Desai P, Steiner G. Retrospective Analysis of Total Knee Arthroplasty Cases for Visual, Histological, and Clinical Eligibility of Unicompartamental Knee Arthroplasties. *J Arthroplasty*. 2011 Dec;26(8):1396-403.. doi: 10.1016/j.arth.2010.12.023. PMID: 21353454
22. Schwarzkopf R, Cohn RM, Skoda EC, Walsh M, Jaffe F. The Predictive Power of Preoperative Hip Range of Motion for The Development of Heterotopic Ossification. *Orthopaedics*. 2011 March; 34(3): 169. doi: 10.3928/01477447-20110124-10. PMID: 21410126.
23. Schwarzkopf R, Perretta DJ, Russell TA, Shekier SC. Foot and Shoe Size Mismatch in Three Different New York City Populations. *J Foot Ankle Surg*. 2011 Jul-Aug;50(4):391-4.: 10.1053/j.jfas.2011.04.030. PMID: 21616688. doi
24. Schwarzkopf R, Thompson S, Adwar S, Liublinska V, Slover J. Post-Operative Complication Rates in the “Super-Obese” Hip and Knee Replacement Population. *J Arthroplasty*. 2012 March;27(3): 397-401. 2011 Jun 13 Epub. doi: 10.1016/j.arth.2011.04.017. PMID: 21676578.
25. Rath E, Gortzak Y, Schwarzkopf R, Benkovich V, Cohen E, Atar D. The Diagnostic Value of the Vacuum Phenomenon during Hip Arthroscopy. *ISRN Orthopedics*. Volume 2011. Doi:10.5402/2011/852390.
26. Glait SA, Schwarzkopf R, Gould S, Bosco JA, Slover JD. Is Repetitive Intraoperative Splash Basin Use a Source of Bacterial Contamination in Total Joint Replacement Surgery. *Orthopaedics*. 2011 September; e546-e549. doi: 10.3928/01477447-20110714-06. PMID: 21902155.
27. Schwarzkopf R, Kummer F, Jaffe WL. Acoustic Emission Studies of Posterior Stabilized and Cruciate Retaining Knee Arthroplasties. *J Knee Surg*.2011 Sep; 24(3): 85-90. PMID: 21980879.
28. Schwarzkopf R, Takemoto R, Kummer F, Egol KA. Helical Blade versus Telescoping Lag Screw for Intertrochanteric Fracture Fixation. *Am J Ortho*. 2011 Sep;40(9):452-456. PMID: 22022674.
29. Cohn RM, Schwarzkopf R, Jaffe F. Heterotopic Ossification After Total Hip Arthroplasty. *Am J Ortho*. 2011 Nov;40(11): E232-E235. PMID: 22263220.
30. Fetto JF, Hadley S, Lefers KJ, Leslie CJ, Schwarzkopf R. Electronic Measurement of Soft Tissue Balancing Reduces Lateral Releases in Total Knee Arthroplasty. *Bull NYU Hosp Jt Dis*. 2011;69(4):285-8. PMID: 22196382.
31. Kummer FJ, Schwarzkopf R, Takemoto RC, Egol KA. Sliding Of Two Lag Screw Designs in a Highly Comminuted Fracture Model. *Bull NYU Hosp Jt Dis*. 2011;69(4):289-91. PMID: 22196383.

32. Schwarzkopf R, Dong NG, Fetto JF. Finite Element Analysis of Femoral Neck Stress forces in relation to Pelvic Width. *Bull NYU Hosp Jt Dis*. 2011;69(4):292-7. PMID: 22196384.
33. Schwarzkopf R, Tara R, Shea M, Slover J. Correlation between Nutritional Status and Staphylococcus Colonization in Hip and Knee Replacement Patients. *Bull NYU Hosp Jt Dis*. 2011;69(4):308-311. PMID: 22196387.
34. Schwarzkopf R, Olivieri P, Jaffe WL. Simultaneous Bilateral Total Hip Arthroplasty with Hydroxyapatite Coated Implants: A 20-Year Follow Up. *J Arthroplasty*. 2012 Aug;27(7):1364-9. Epub 2011 Dec 16. doi: 10.1016/j.arth.2011.10.029. PMID: 22177794.
35. Friesenbichler J, Schwarzkopf R, Sadoghi P, Marwin SE, Glehr M, Maurer-Ertl W, Leithner A. Failure rate of a rotating hinge knee design due to yoke fracture of the hinged tibial insert: a retrospective data analysis. *Int Orthop*. 2012 May;36(5):993-8. Epub 2011 Dec 28. doi: 10.1007/s00264-011-1462-9. PMID: 22202962.
36. Grant AD, Sala DA, Schwarzkopf R. Femoro-Acetabular Impingement – The Diagnosis – A Review. *J Child Orthop*. 2012 March;6:1-12. DOI 10.1007/s11832-012-0386-2. PMID: 23450197.
37. Schwarzkopf R, Alvarado C. Perioperative Complications after Total Hip Arthroplasty. *Minerva Orthopedica e Traumatologica*. 2012 April;63(2):125-140.
38. Swensen S, Schwarzkopf R, Total Joint Arthroplasty in Human Immunodeficiency Virus Positive Patients. *Orthop Surg*. 2012 Nov;4(4):211-5. doi: 10.1111/os.12001. PMID: 23109304.
39. Jibodh SR, Schwarzkopf R, Anthony SG, Malchau H, Dempsey KE, Estok DM 2nd. Revision Hip Arthroplasty with A Modular Cementless Stem: Mid-Term Follow Up. *J Arthroplasty*. 2013 Aug;28(7):1167-1172. doi:pii: S0883-5403(12)00559-1. 10.1016/j.arth.2012.07.031. PMID: 23114191.
40. Schwarzkopf R, Sagebin F, Karia R, Bosco J, Koenig K, Slover J. Factors Influencing Patients Willingness to Pay for New Technologies in Hip and Knee Implants. *J Arthroplasty*. 2013 Mar;28(3):39-394. doi:pii: S0883-5403(12)00536-0. 10.1016/j.arth.2012.07.009. PMID: 23142436.
41. Schwarzkopf R, Hadley S, Weatherall JM, Gross SC, Marwin SE. Barbed Sutures for Arthroplasty Closure: Increase Risk of Glove Perforation. *Bull NYU Hosp Jt Dis*. 2012;70(4):250-3. PMID: 23267450.
42. Schwarzkopf R, Hadley S, Abbasi M, Meere P. Computer Assisted Surgery Patterns of Ligamentous Deformity of the Knee: A Clinical and Cadaveric Study. *J Knee Surg*. 2013 Jan 2 [Epub ahead of print]. PMID: 23283633.

43. Schwarzkopf R, Oni JK, Marwin SE. Total Hip Arthroplasty Periprosthetic Femoral Fractures: A Review of Classification and Current Treatment. *Bull NYU Hosp Jt Dis*. 2013;71(1):60-71. PMID: 24032586.
44. Schwechter EM, Schwarzkopf R, Fitz W. Stage IV Medial Femoral Condyle Osteochondritis Dissecans Treated with Unicompartmental Arthroplasty and Trabecular Metal Augmentation. *J Bone Joint Surg Am. JBJS Case Connector*, 2013 Apr 10;3(2):e32 1-4. doi: 10.2106/JBJS.CC.L.00190.
45. Schwarzkopf R, Mikhael B, Scott RD, Li L, Josephs L. Revision of Medial unicompartmental Arthroplasty of the Knee: Does Initial Tibial Resection Thickness Affect Outcome of Revision. *Orthopedics*. 2013 Apr 1;36(4):e409-14. doi: 10.3928/01477447-20130327-14. PMID: 23590778.
46. Snir N, Wolfson T, Schwarzkopf R, Swensen S, Alvarado C, Hamula M, Dayan AJ. Outcomes of Total Hip Arthroplasty in Human-Immunodeficiency Virus-Positive Patients. *J Arthroplasty*. 2014 Jan;29(1):157-161. doi:pii: S0883-5403(13)00316-1. 10.1016. PMID: 23683515.
47. Schwarzkopf R, Gross SC, Coopersmith A, Ramesh G. Ankle Fracture Surgery on a Pregnant Patient Complicated by Intraoperative Emergency Cesarean Section: A Case Report. *Case Rep Orthop*. Volume 2013 (2013), Article ID 962794. doi:10.1155/2013/962794. PMID: 23819091.
48. Schwarzkopf R, Oh D, Wright L, Estok DM, Katz JN. Treatment Failure Among Infected Periprosthetic patients at a Highly Specialized Revision TKA Referral Practice. *The Open Orthopaedics Journal*. 2013, Vol 7, 264-271. PMID: 23898353.
49. Heyse TJ, Ries M, Bellemans J, Goodman S, Scott RD, Wright TM, Lipman JD, Schwarzkopf R, Figgie M. Total Knee Arthroplasty in Patients with Juvenile Rheumatoid Arthritis. *Clin Orthop Relat Res*. 2013 Jun 13. [Epub ahead of print]. PMID: 23761173.
50. Snir N, Schwarzkopf R, Jaffe F. Wear Analysis of First-Generation Highly Cross-Linked Polyethylene in Total Hip Arthroplasty at 10-year Average Follow-up. *J Arthroplasty*. 2014;29:630-633. doi:pii: S0883-5403(13)00552-4. 10.1016/j.arth.2013.07.034. [Epub ahead of print]. PMID: 23993350.
51. Weatherall J, Schwarzkopf R, Sheskier S. Case Report: Bimalleolar Ankle Fracture with Associated Sagittal Split Fracture of the Talus. *Bull NYU Hosp Jt Dis*. 2013;71(2):161-5. PMID: 24032619.
52. Manzano G, Schwarzkopf R. Posterior Dislocation of the Hinge-Post Extension in a Rotating Hinge Total Knee Prosthesis. *Case Rep Orthop*. Volume 2013 (2013), Article ID 756538. doi:10.1155/2013/756538. PMID: 24191213.

53. Schwarzkopf R, Kahn T, Succar J, Ready J. Success of Different Knee Arthrodesis Techniques After Failed Total Knee Arthroplasty. *J Arthroplasty*. 2013 Oct 4. pii: S0883-5403(13)00774-2. doi: 10.1016/j.arth.2013.09.054. [Epub ahead of print]. PMID: 24176782.
54. Yildirim G, Fernandez-Madrid I, Schwarzkopf R, Walker PS, Karia R. Comparison of Robot Surgery Modular and Total Knee Arthroplasty Kinematics. *J Knee Surg*. 2013 Nov 13. [Epub ahead of print]. PMID: 24227400.
55. Takemoto RC, Lekic N, Schwarzkopf R, Kummer FJ, Egol KA. The Effects of Two Different Trochanteric Nail Lag Screw Designs on the Fixation Stability of Four-Part Intertrochanteric Fractures-A clinical and Biomechanical Study. *J Orthop Sci*. 2013 Nov 19. [Epub ahead of print]. PMID: 24248549.
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- 152.** Buckland AJ, Puvanesarajah V, Jain A, Klineberg EO, Vigdorichik J, Schwarzkopf R, Shaffrey C, Smith J, Hart R, Ames C, Hassanzadeh H & the International Spinal Study Group. Dislocation of Primary Total Hip Arthroplasty is More Common in Patients with Lumbar Spinal Fusion. *Transactions of the American Association of Hip and Knee Surgeons*, Dallas, 2016.
- 153.** Evangelista P, Okroj K, Plummer D, Della Valle C, Schwarzkopf R. Do Cemented Dual Mobility Cups Confer Stability for Complex Acetabular Revisions? *Transactions of the American Association of Hip and Knee Surgeons*, Dallas, 2016.
- 154.** Cross M, Schwarzkopf R, Miller TT, Bogner EA, Muir JM, Vigdorichik JM. Improving registration accuracy during total hip arthroplasty: A cadaver study of a new, 3D mini-optical navigation system. *Transactions of the Hospital For Special Surgery 28th Annual Holiday Knee and Hip Course*, New York, 2016.
- 155.** DelSole EM, Schwarzkopf R, Vigdorichik J, Errico T, Buckland A. Total Hip Arthroplasty in the Spinal Deformity Population: How Does Deformity Impact Hip Stability? *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 156.** McLawhorn A, Schairer W, Halsey D, Iorio R, Schwarzkopf R, Padgett DE. Alternative Payment Models Should Risk-Adjust for Conversion THA: A Propensity Score-Matched Study. *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 157.** DelSole EM, Schwarzkopf R, Vigdorichik J, Errico T, Buckland A. The Hip-Spine Relationship: What Hip Surgeons Need to Know. *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 158.** Mercuri J, Lakomkin N, Bosco J, Schwarzkopf R, Lajam C, Zuckerman JD. Total Joint Arthroplasty Implant Pricing: Past, Present and Future. *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 159.** Mercuri J, Bronson W, Bosco J, Iorio R, Schwarzkopf R, Zuckerman JD, Iorio R. Unintended Ethical Consequences of Value Based Care in Total Joint Arthroplasty. *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 160.** Haghverdian B, Wright D, Schwarzkopf R. Length of Stay and Functional Outcomes in Skilled Nursing Facilities Following Total Joint Arthroplasty. *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 161.** Mahure S, Slover J, Bosco J, Iorio R, Vigdorichik J, Schwarzkopf R. Co-infection with hepatitis C and HIV in total hip arthroplasty: an incremental effect of disease burden. *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.

- 162.** Yu S, Saleh H, Bolz N, Rathod P, Iorio R, Schwarzkopf R, Deshmukh A. Re-Revision Total Hip Arthroplasty: Epidemiology and Factors Associated with Outcomes. *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 163.** Yu S, Bolz N, Buza J, Saleh H, Murphy H, Rathod P, Iorio R, Schwarzkopf R, Deshmukh A. Re-Revision Total Knee Arthroplasty: Epidemiology and Factors Associated With Outcomes. *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 164.** Riesgo A, Park B, Herrero C, Yu S, Schwarzkopf R, Iorio R. Vancomycin Povidone-Iodine Protocol Improves Survivorship of Periprosthetic Joint Infection Treated with Irrigation and Debridement: Preliminary Results. *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 165.** Tarabichi M, Kheir MM, Kearns S, Patel P, Adelani M, Schwarzkopf R, Clohisy J, Parvizi J. Are HbA1c levels predictive of PJI in patients undergoing Primary TJA? *Transactions of the American Academy of Orthopaedic Surgeons, San Diego*, 2017.
- 166.** Behery O, Bosco J, Iorio R, Kouk S, Slover J, Schwarzkopf R. Skilled Nursing Facility Partnerships May Decrease 90-day Costs in a Total Joint Replacement Bundled Payment Initiative. *Transactions of the American Orthopaedic Association, Charlotte*, 2017.
- 167.** Anoushiravani A, Camus T, Elbuluk A, Kim K, Quien M, Sayeed Y, Schwarzkopf R, Adler E. Irrigation and Debridement with Modular Implant Exchange following Periprosthetic Hip Infections: Does Timing Play a Role? *Transactions of the American Orthopaedic Association, Charlotte*, 2017.
- 168.** Kester K, Sayeed Y, Schwarzkopf R. Do Different Traumatic Preoperative Indications for Total Knee Arthroplasty from affect Intraoperative Hardware Costs? *Transactions of the American Orthopaedic Association, Charlotte*, 2017.
- 169.** Nozakil T, Yu H, Kaneko Y, Schwarzkopf R, Yoshioka H. Zonal Differences of T1RHO and T2 Relaxation Times of Advanced Osteoarthritis Knees Meniscus. *Transactions of the World Congress on Osteoarthritis, Las Vegas*, 2017.
- 170.** Gutman J, Kim K, Schwarzkopf R. Total Hip and Knee Arthroplasty in Multiple Sclerosis Patients: The NYU Experience. *Transactions of the American Academy of Neurology 69th Annual Meeting, Boston*, 2017.
- 171.** Nozakil T, Yu H, Kaneko Y, Schwarzkopf R, Yoshioka H. Zonal Differences of T1RHO and T2 Relaxation Times of the Meniscus: Comparison Study Between Normal and Osteoarthritis Knees. *Transactions of the 25th Annual Meeting of the International Society for Magnetic Resonance in Medicine, Hawaii*, 2017.

- 172.** DelSole EM, Schwarzkopf R, Vigdorichik J, Errico T, Buckland A. Total Hip Arthroplasty in the Spinal Deformity Population: How Does Deformity Impact Hip Stability? *Transactions of the Scoliosis Research Society, Philadelphia*, 2017.
- 173.** Narayanan R, Anoushiravani A, Chen K, Elbuluk A, Adler E, Schwarzkopf R. Irrigation and Debridement for Early Periprosthetic Knee Infection: Is It Effective? *Transactions of the Eastern Orthopaedic Association, Miami*, 2017.
- 174.** Sayeed Y, Anoushiravani A, Chen K, Elbuluk A, Schwarzkopf R, Adler E. Irrigation and Debridement for Periprosthetic Hip Infection: Does Timing Play a Role? *Transactions of the Eastern Orthopaedic Association, Miami*, 2017.
- 175.** Kim K, Chen K, Anoushiravani A, Elbuluk A, Long W, Schwarzkopf R. Perioperative Chronic Opioid Use and its Effects on Total Knee Arthroplasty Outcomes. *Transactions of The Knee Society (Closed Meeting), Naples*, 2017.
- 176.** Ziegler J, Elbuluk A, Schwarzkopf R, Long WJ. Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) scores do not predict outcomes following Total Hip Arthroplasty. *Transactions of The American Association of Hip and Knee Surgeon, Dallas*, 2017.
- 177.** Day L, Vigdorichik J, Schwarzkopf R, Errico T, Buckland A. Severity of Hip Osteoarthritis Affects Lower Extremity Compensatory Mechanisms in Spinopelvic Malalignment. *Transactions of The American Association of Hip and Knee Surgeon, Dallas*, 2017.
- 178.** Kim K, Long W, Schwarzkopf R. Preoperative Chronic Opioid Users in Total Knee Arthroplasty – Identification of at risk patients for continued opioid use after surgery? *Transactions of The American Association of Hip and Knee Surgeon, Dallas*, 2017.
- 179.** Bondarenko S, Dedukh N, Filipenko V, Akonjom M, Schwarzkopf R. Comparative Analysis of Osseointegration in Various Types of Acetabular Implant Materials. *Transactions of The American Association of Hip and Knee Surgeon, Dallas*, 2017.
- 180.** Yu S, Iorio R, Schwarzkopf R, Long W. Peri-Articular Soft-tissue Envelope Size and Postoperative Wound Complications Following Total Knee Arthroplasty. *Transactions of The American Association of Hip and Knee Surgeon, Dallas*, 2017.
- 181.** Narayanan R, Anoushiravani A, Chen K, Elbuluk A, Adler E, Schwarzkopf R. Irrigation and Debridement for Early Periprosthetic Knee Infection: Is It Effective? *Transactions of The American Association of Hip and Knee Surgeon, Dallas*, 2017.
- 182.** Vigdorichik J, Schwarzkopf R, Castanea B. Thirty Day Postoperative Outcomes: Periacetabular Osteotomy vs. Total Hip Replacement in a young population. *Transactions of The American Association of Hip and Knee Surgeon, Dallas*, 2017.

183. Evangelista P, Lenz N, Laster S, Schwarzkopf R. A computer model of mid-flexion instability in balanced cruciate retaining or posterior stabilized total knee arthroplasty. *Transactions of The American Association of Hip and Knee Surgeon, Dallas, 2017.*

184. Davidovitch R, Schwarzkopf R, Iorio R. Home Health Services are not required Following Total Hip Arthroplasty. *Transactions of The American Association of Hip and Knee Surgeon, Dallas, 2017.*

INVITED PRESENTATIONS

1. "Total Hip Arthroplasty Periprosthetic Femoral Fractures" at University of California, Irvine Orthopaedic Surgery Grand Rounds, Orange, California, 2011.
2. "Total Joint Replacement" at Orthopaedics Update for Occupational therapists and Physical Therapists at University of California, Irvine, Orange, California, November 2012.
3. "Rehabilitation After Total Joint Replacement Surgery" at Postoperative Rehabilitation of Orthopaedic Procedures Symposium at University of California, Irvine, Newport Beach, California, May 2013.
4. Moderator - Case Presentation Review- Total Joint Arthroplasty. Western Orthopaedic Association 77th Annual Meeting, Lake Tahoe, California, August 2013.
5. Moderator Symposium 9- Total Joints. Western Orthopaedic Association 77th Annual Meeting, Lake Tahoe, California, August 2013.
6. "Emergency room Management of Periprosthetic Joint Infection" at University of California, Irvine Emergency Department Grand Rounds, Orange, California, 2013.
7. "Joint Management of Hip Fracture Patients" at University of California, Irvine Internal Medicine Department Grand Rounds, Orange, California, 2013.
8. "Native and Periprosthetic Joint Infections" at University of California, Irvine Internal Infectious Disease Department Grand Rounds, Orange, California, 2014.
9. Moderator Oral Session I – Growth through Innovation, 21st UCI Undergraduate Research Symposium, Irvine, California, 2014.
10. "Perioperative Surgical Home – A Surgeon's Perspective" at The 1st International Perioperative Surgical Home Summit, Newport, California, 2014.
11. "Periprosthetic fractures around hip and fracture implants" Instructional Course Lecture, European Hip Society 11th Congress, Stockholm, Sweden, 2014.
12. "Trunionosis is it the next thing?" San-Diego regional Arthroplasty meeting, San-Diego 2015.

13. "Recap of the 2014 Hip Society Rothman-Ranawat Traveling Fellowship" The Hip Society Winter Meeting, AAOS, Las Vegas, 2015.
14. "Patients' Willingness to Pay for Novel Total Joint Arthroplasty Implants". Mount Sinai Hospital, Orthopaedic Department Grand Rounds, Toronto, Canada, 2015.
15. "Joint Replacement Surgical Home: A Surgeon's Perspective". Society for Education in Anesthesia, Seattle, Washington, 2015.
16. "The Best Total Hip Arthroplasty Article I read This Year". Western Orthopaedic Association 78th Annual Meeting, Indian Wells, California, 2015.
17. "Conversion Total Hip Arthroplasty: Is it A Primary or Revision Surgery" at Modern Trends in Total Joint Arthroplasty Symposium at University of California, Irvine, Irvine, California, May 2015.
18. "Extensor Mechanism Disruption after Total Knee Arthroplasty" at John N. Insall Travelling Fellowship, New York, NY, October 2015.
19. "Pelvic Disassociation in Revision THA", European Hip Society and Ukraine Orthopaedic Meeting, Khrakiv, Ukraine, April 2016.
20. "Patients Willingness to Co-Pay for Implants", European Hip Society and Ukraine Orthopaedic Association Meeting, Khrakiv, Ukraine, April 2016.
21. "Enhanced Recovery Protocols for Hip Replacement: The Total Joint Perioperative Home". 2016 Annual Congress of Enhanced Recovery and Perioperative Medicine, Washington DC, April 2016.
22. "Perioperative Orthopaedic Surgical Home" 12th Annual Congress of the European Hip Society, Munich, Germany, September 2016.
23. "How I Optimize Socket Position", 2016 ICJR Transatlantic Orthopaedic Congress, New York, NY, October 2016.
24. "Dual Mobility Articulations", 2016 ICJR Transatlantic Orthopaedic Congress, New York, NY, October 2016.
25. "Conversion of Previous Hip Surgery to a THA: Planning and Pitfalls", 2016 ICJR Transatlantic Orthopaedic Congress, New York, NY, October 2016.
26. "Extensor Mechanism Disruption after Total Knee Arthroplasty" at John N. Insall Travelling Fellowship, New York, NY, October 2016.
27. "Extensor Mechanism problems in TKA". 36th Annual Israeli Orthopaedic Association Meeting, Tel Aviv, Israel, 2016.

28. “Conversion THA is it a Primary or a Revision”.36th Annual Israeli Orthopaedic Association Meeting, Tel Aviv, Israel, 2016.
29. “The Unstable THA”. Lenox Hill Hospital, Orthopaedic Department Grand Rounds, New York, NY, 2016.

INVITED COURSE FACUALTY

Journey II total knee arthroplasty road show, Smith&Nephew, Orange, CA	2013
Contemporary Solutions in Joint Surgery, Smith&Nephew, Pasadena, CA	2013
The 1 st Annual Perioperative Surgical Home Summit, Newport Beach, CA	2014
Contemporary Solution in Joint Surgery, Smith&Nephew, Tampa, FL	2014
Knee Program Chairman, Contemporary Solutions in Joint Surgery, Pasadena, CA	2014
JOURNEY II TKA: The Continuum of Satisfaction, Smith&Nephew, Scottsdale AZ	2015
North American Hip and Knee Symposium, Smith&Nephew, Scottsdale, AZ	2015
Western Orthopaedic Association 78 th annual meeting, Indian Wells, CA	2015
AAOS/AAHKS/HS/KS Fundamentals of Hip and Knee Arthroplasty for Orthopaedic Residents, Long Beach, CA	2015
UC Irvine, Modern Trends in Total Joint Arthroplasty Symposium, Irvine, CA	2015
Latin America “From Primary to Revision TKA Course”, Smith&Nephew, Memphis, TN	2015
ICL AAOS: Modern Blood Conservation Strategies, San-Diego, CA	2016
North American Hip & Knee Symposium (NAHKS), Smith&Nephew, Scottsdale, AR	2016
Latin America “From Primary to Revision TJA Course”, Smith&Nephew, Memphis, TN	2016
AAOS/AAHKS/The Knee Society Innovative Surgical Techniques: Partial, Total and Revision Knee Arthroplasty, Chicago, IL	2016
Soluciones LATAM-Advanced Reconstruction Surgery, Smith&Nephew, Cartagena, Columbia	2016
12 th Annual Congress of the European Hip Society, Munich, Germany	2016
ICJR Transatlantic Orthopaedic Congress, New York, NY	2016

1 st Annual Reconstruction Fellows Course, Smith&Nephew, Memphis, TN	2016
36 th Annual Israeli Orthopaedic Association meeting, Tel Aviv, Israel	2016
AAOS/AAHKS/The Knee Society Innovative Surgical Techniques: Partial, Total and Revision Knee Arthroplasty, Chicago, IL	2017
North American Hip & Knee Symposium (NAHKS), Smith&Nephew, Scottsdale, AR	2017
Soluciones LATAM-Advanced Reconstruction Surgery, Smith&Nephew, Memphis, TN	2017
ICL AAOS: The Basic Knee Revision – Simple Knee Revision, New Orleans, LA	2018

BOOKS

Editor – Techniques in Total Hip Arthroplasty, Ran Schwarzkopf, Jaypee Brothers publishers
ISBN – 9789351520825, (2014).

BOOK CHAPTERS

1. Dang P, Schwarzkopf R. Modern trends in the use of tranexamic acid in total knee arthroplasty. In: Current Advances in Total Knee Arthroplasty. Scuderi GR (Ed.). Future Medicine Ltd, London, UK, 100–110 (2014)
2. Schroder S, Schwarzkopf R. Total Hip Arthroplasty – Templating. In: Techniques in Total Hip Arthroplasty, Schwarzkopf R (Ed), Jaypee Brothers publishers, India. 9-21. ISBN – 9789351520825, (2014).
3. Schwechter EM, Dang P, Schwarzkopf R. The Modified Lateral Approach to the Hip. In: Techniques in Total Hip Arthroplasty, Schwarzkopf R (Ed), Jaypee Brothers publishers, India. 32-41. ISBN – 9789351520825, (2014).
4. Lee JH, Schwarzkopf R. Posterolateral Approach to the Hip. In: Techniques in Total Hip Arthroplasty, Schwarzkopf R (Ed), Jaypee Brothers publishers, India. 42-50. ISBN – 9789351520825, (2014).
5. Schwarzkopf R, Marwin SE. Treatment of Total Hip Arthroplasty Periprosthetic Femoral Fractures. In: Techniques in Total Hip Arthroplasty, Schwarzkopf R (Ed), Jaypee Brothers publishers, India. 117-128. ISBN – 9789351520825, (2014).
6. Sharareh B, Schwarzkopf R. Total Hip Arthroplasty for Treatment of Displaced Femoral Neck Fractures. In: Techniques in Total Hip Arthroplasty, Schwarzkopf R (Ed), Jaypee Brothers publishers, India. 134-142. ISBN – 9789351520825, (2014).

7. Alvarado CM, Schwarzkopf R. Complications after Total Hip Replacement. In: Techniques in Total Hip Arthroplasty, Schwarzkopf R (Ed), Jaypee Brothers publishers, India. 155-166. ISBN – 9789351520825, (2014).
8. Sweetnam D, Schwarzkopf R. Informed Consent for Total Knee Arthroplasty. In: Total Knee Arthroplasty A Comprehensive Guide. E. Carlos Rodriguez-Merchan, Sam Oussedik, Springer, USA (2015).
9. Pham D, Schwarzkopf R. Development Dysplasia Case. The Adult Hip - Master Case Series and Techniques. Editor: Eleftherios Tsiridis, Springer. (in press).
10. Scolaro J, Schwarzkopf R. Periprosthetic Femoral Fracture Case. The Adult Hip - Master Case Series and Techniques. Editor: Eleftherios Tsiridis, Springer. (in press).
11. Schwarzkopf R. Dai A. Video Chapter 232: Total Knee Revision, in Scott WN (ed): Insall & Scott Surgery of the Knee, 6th Edition. Philadelphia, PA. Elsevier Inc 2018.

DIGITAL MEDIA

1. Editor – Injections and Aspirations technique guide (iPhone/iPad application, AAOS product)
2. Editor – Surgical Techniques in Orthopaedics: Total Hip Arthroplasty, AAOS 2014. ISBN/ISSN: 9781625521286

CLINICAL AND BASIC SCIENCE WORK IN PROGRESS

- Nutritional status of TJA patient and patient outcomes
- Wound closure techniques
- Conversion TJA outcomes
- RCT comparing different wound closure and dressings after TJA
- RCT comparing TXA dosing in revision TJA

MENTORED STUDENTS

Undergraduate

Natasha Le
 Eliena Mahgerefteh
 Melinda Hoang

UC Irvine
 UC Irvine
 UC Irvine

Jenny Ho	UC Irvine
Jordan Ritkes	UC Irvine
Stephanie Eng	UC Irvine
Maneka Badrinath	UC Irvine

Medical

Asim Ahmad BSc	UC Irvine
Timothy Kahn BSc	UC Irvine
Behnam Sharareh BSc	UC Irvine
Spencer Woolwine BSc	UC Irvine
Kelvin Kim BSc	Penn State
Salem Hashem BSc	NYU

Post-doctoral

Jason Lee MD	UC Irvine
Steven Schroeder MD	UC Irvine
Duy Phun MD	UC Irvine
Benjamin Kesser MD	NYUHJD

SCIENTIFIC PRESENTATIONS (International and National Meetings)

1. Schwarzkopf R, Shachar M, Dvir T, Glicklis R, Holbova R, Leor J, Cohen S. Sera from post MI rats stimulate the formation of viable, dense heart muscle tissue. Regenerate Tissue engineering Annual Meeting, Seattle, 2004.
2. Grossman JA, Ruchelsman DE, Schwarzkopf R. Operative treatment of Iatrogenic Spinal Accessory Nerve Injury In Children. American Society of Surgery of the Hand Annual Meeting, *Chicago*, 2008.
3. Schwarzkopf R, Kummer F, Jaffe WL. Acoustic Emission Studies: Monitoring of Hip and Knee Prosthesis Wear and Disease Progression in Osteoarthritis Patients. Klemperer Award and Lecture Series, New York Chapter, Arthritis foundation, New York, 2009.
4. Schwarzkopf R, Kummer F, Jaffe WL. Acoustic Emission Studies of Patients Hips and Osteoarthritis A New Diagnostic technique? International Society for Technology in Arthroplasty Annual Meeting, Koa, Hawaii, 2009.
5. Schwarzkopf R, Takemoto R, Immerman I, Slover J, Bosco J. Prevalence of Methicillin-Resistant Staphylococcus Aureus in Orthopaedic Attendings and Residents. American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, 2010.
6. Schwarzkopf R, Chung C, Park JJ MD, Walsh M, Spivak JM, Steiger D. The Effects of Perioperative Blood Product Use on Surgical Site Infection Following Thoracic and Lumbar Spinal Surgery. American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, 2010.

7. Fetto JF, Hadley S, Schwarzkopf R, Lefers K, Leslie CJ. Electronic Measurement of Soft Tissue Balancing Reduces Lateral Releases in Total Knee Arthroplasty. Eastern Orthopaedic Society Annual Meeting, Naples, 2010.
8. Schwarzkopf R, Carlson EM, Meagan TE, Josephs L, Currier JH, Scott RD. Synovial Fluid Differential Cell Count in Wear Debris Synovitis after Total Knee Replacement. American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, 2013.
9. Schwarzkopf R, Katz JN, Chen S, Dong Y, Donnel-Fink L, Losina E. Patients' Willingness to Contribute to Cost of Novel Implants in Total Joint Arthroplasty. American Association of Hip and Knee Surgeons Annual Meeting, Dallas, 2013.
10. Schwarzkopf R, Kahn T, Succar J, Ready J. Success of Different Knee Arthrodesis Techniques After Failed Total Knee Arthroplasty. American Association of Orthopaedic Surgeons Annual Meeting, New Orleans, 2014.
11. Schwarzkopf R, Carlson EM, Currier J, Scott RD. Does Increased Topside Conformity in Modular Total Knee Arthroplasty Lead to Increased Backside Wear? American Association of Orthopaedic Surgeons Annual Meeting, New Orleans, 2014.
12. Snir N, Schwarzkopf R, Meere P. Incidence of Patella Clunk Syndrome In a Fixed Versus Mobile Bearing Posterior-Stabilized Total Knee Arthroplasty. American Association of Orthopaedic Surgeons Annual Meeting, New Orleans, 2014.
13. Kahn T, Soheili A, Schwarzkopf R. Outcomes of Total Knee Arthroplasty in Relation to Osteoarthritis in the Contralateral Knee: Data from the Osteoarthritis Initiative. American Orthopaedic Association Annual Meeting, Montréal, 2014.
14. Schwarzkopf R. Periprosthetic fractures around hip and fracture implants. European Hip Society 11th Congress, Stockholm, 2014.
15. Moore T, Kim K, Schwarzkopf R. Patient Compliance with Total Joint Arthroplasty Preoperative Instructions. American Association of Orthopaedic Surgeons Annual Meeting, Las Vegas, 2015.
16. Schwarzkopf R, Raphael D, Cannasson M, Kain Z. Total Joint Perioperative Surgical Home: A Cost Analysis. American Association of Orthopaedic Surgeons Annual Meeting, Las Vegas, 2015.
17. Bederman SS, Phan D, Schwarzkopf R. The Influence of Spinal Deformity on Acetabular Orientation in Total Hip Arthroplasty. Global Spine Congress, Buenos Aires, 2015.
18. Schwarzkopf R, Hughes D, Laster S, Lenz N, Cross M. Effect of Varying PCL Recessions on Kinematics and Ligament Strains with Cruciate Retaining Total Knee Prostheses. 2nd Annual Pan Pacific Orthopaedic Conference, Big Island, Hawaii, 2015.

19. Baghoolizadeh M, Schwarzkopf R. Conversion Total Hip Arthroplasty: Is it a Primary or Revision Hip Arthroplasty. 25th Annual Meeting of the American Association of Hip and Knee Surgeons, Dallas, 2015.
20. Schwarzkopf R, Cross M, Hughes D, Laster S, Lenz N. Distal Femoral Joint line Effect on Ligament Tensions In Flexion With Differing Cruciate Retaining Total Knee Prostheses. 28th Annual Congress of the International Society for Technology in Arthroplasty (ISTA), Vienna, Austria, 2015.
21. Ahn K, Rinehart J, Cannesson M, Zeev K, Schwarzkopf R. Total Joint Replacement Perioperative Surgical Home Program: Impact of Patient Characteristics and Comorbidities on Postoperative Length of Stay. American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, 2016.
22. Mahure S, Slover J, Bosco J, Iorio R, Vigdorichik J, Schwarzkopf R. Co-infection with hepatitis C and HIV in total hip arthroplasty: an incremental effect of disease burden. European Hip Association meeting, Munich, Germany, 2016.
23. Sayeed Y, Adler E, Schwarzkopf R. Timing of irrigation and debridement for peri-prosthetic total hip infections. European Hip Association meeting, Munich, Germany, 2016.
24. DelSole EM, Schwarzkopf R, Vigdorichik J, Errico T, Buckland A. Total hip arthroplasty in the spinal deformity population: Does degree of deformity affect rates of safe zone placement, instability, or revision? European Hip Association meeting, Munich, Germany, 2016.
25. Milone M, Schwarzkopf R, Jerabek S, Vigdorichik J. Patient positioning affects anteversion in total hip arthroplasty. European Hip Association meeting, Munich, Germany, 2016.
26. Buckland AJ, Hart R, Mundis GM, Sciubba D, Lafage R, Errico TJ, Bess S, Vigdorichik J, Schwarzkopf R, Lafage V & the International Spinal Study Group. Risk of total hip arthroplasty dislocation after adult spinal deformity correction. European Hip Association meeting, Munich, Germany, 2016.
27. Buckland A, Puvanesarajah V, Jain A, Klineberg E, Vigdorichik J, Schwarzkopf R, Shaffery C, Smith J, Hart R, Ames C, Hassanzadeh H, &the International Spine Study Group. Dislocation of primary total hip arthroplasty is more common in patients with lumbar spinal fusion. European Hip Association meeting, Munich, Germany, 2016.

SCIENTIFIC PRESENTATIONS (Regional and Local Meetings)

1. Schwarzkopf, R: Arthroplasty for Femoral Neck Fracture, Department of Orthopaedic Surgery, University of California, Irvine, California, December 2012.
2. Schwarzkopf, R: Preoperative Planning for THA, Department of Orthopaedic Surgery,

University of California, Irvine, California, January 2013.

3. Schwarzkopf R: Factors Influencing Patients Willingness to Pay for New Technologies in Hip and Knee Implants. Wilson-Bost club, University of California Irvine, California, April 2013
4. Schwarzkopf R, Snir N, Wolfson T, Swensen S, Alvarado C, Hamula M, Dayan AJ. Outcomes Of Total Joint Arthroplasty In Human-Immunodeficiency Virus-Positive Patients. Western Orthopaedic Association 77th Annual Meeting, Lake Tahoe, California, August 2013.
5. Schwarzkopf R, Williams A, Deering R, Fitz W. Arthroscopic Lysis of Adhesions for Stiff Total Knee Replacement Does it Work? Western Orthopaedic Association 77th Annual Meeting, Lake Tahoe, California, August 2013.
6. Schwarzkopf R, Katz JN, Chen S, Dong Y, Donnel-Fink L, Losina E. Patients' Willingness to Contribute to Cost of Novel Implants in Total Joint Arthroplasty. Western Orthopaedic Association 78th Annual Meeting Big Island, Hawaii, August 2014.
7. Sharareh B, Le N, Hoang M, Schwarzkopf R. Factors Determining Discharge Destination for Patients Undergoing Total Joint Replacement. Western Orthopaedic Association 78th Annual Meeting Big Island, Hawaii, August 2014.
8. Chaurasia A, Garson L, Kain Z, Schwarzkopf R. Does a Clinical Pathway Lead to Consistent Length of Stay for Total Joint Replacement Patients? Western Orthopaedic Association 78th Annual Meeting Big Island, Hawaii, August 2014.
9. Kahn T, Soheili A, Schwarzkopf R. Outcomes of Total Knee Arthroplasty in Relation to Radiographic and Patient Reported Measures: Data from the Osteoarthritis Initiative. Western Orthopaedic Association 78th Annual Meeting Big Island, Hawaii, August 2014.
10. Schwarzkopf R, Carlson EM, Currier J, Scott RD. Does Increased Topside Conformity in Modular Total Knee Arthroplasty Lead to Increased Backside Wear? Western Orthopaedic Association 78th Annual Meeting Big Island, Hawaii, August 2014.

CO-AUTHORED SCIENTIFIC PRESENTATIONS (National, Regional and Local Meetings)

1. Shachar M, Dvir T, Schwarzkopf R, Tsur-Gang O, Leor J, Cohen S. Ex-vivo engineering of cardiac muscle tissue in "smart" bioreactors. European Society of Cardiology Annual Meeting, Munich, 2004.
2. Bloom S, Schwarzkopf R, Atar D, Rath E. Biodegradable meniscal arrows for fixation of osteochondritis dissecans of the knee. International Symposium on Sports Medicine, Tel Aviv, 2006.

3. Ruchelsman DE, Schwarzkopf R, Grossman JA. Outcome Following Spinoscapular Nerve Transfer in Infants With Brachial Plexus Birth Injuries. American Society of Surgery of the Hand Annual Meeting, Chicago, 2008.
4. Ruchelsman DE, Schwarzkopf R, Ramos LE, Valencia H, Price AE, Grossman A, Grossman JA. Outcome Following Spinoscapular Nerve Transfer in Infants With Brachial Plexus Birth Injuries. Israel Orthopedic Association Annual Meeting, Jerusalem, 2008.
5. Schwarzkopf R, Grossman JA, Ruchelsman DE. Operative treatment of Iatrogenic Spinal Accessory Nerve Injury In Children. Israel Orthopedic Association Annual Meeting, Jerusalem, 2008.
6. Arno S, Maffei D, Walker P, Schwarzkopf R, Desai P, Steiner G, Zuckerman J. Could Unicompartamental Knee Replacements be used more frequently. Orthopaedic Research Society Annual Meeting, Las Vegas, 2009.
7. Takemoto RC, Schwarzkopf R, Kummer FJ, Egol KA. The Effect of Two Different Trochanteric Nail Lag Screw Designs on the Fixation Stability of Four-Part Intertrochanteric Fractures. Eastern Orthopaedic Society Annual Meeting, Naples, 2010.
8. Glait SA, Schwarzkopf R, Gould S, Bosco JA, Slover JD. Is Intra-operative Splash Basin Use a Source of Bacterial Contamination in Arthroplasty Surgery. American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, 2012.
9. Schwarzkopf R, Meagan TE, Scott RD, Josephs L, Carlson EM, Currier JH, Van Citters DW. Synovial Fluid Differential Cell Count in Wear Debris Synovitis after Total Knee Replacement. Fall Closed Knee Society Meeting, New York, 2012.
10. Heyse TJ, Ries M, Bellemans J, Goodman S, Scott RD, Wright TM, Lipman JD, Schwarzkopf R, Figgie M. Total Knee Arthroplasty in Patients with Juvenile Rheumatoid Arthritis: A Multi Center Study. Fall Closed Knee Society Meeting, New York, 2012.
11. Sharareh B, Schwarzkopf R. Effectiveness Of Telemedicine Follow-Up Care Among Total Joint
12. Replacement Patients Western Orthopaedic Association 77th Annual Meeting, Lake Tahoe, California, August 2013.
13. Schwarzkopf R, Carlson EM, Currier J, Scott RD. Does Increased Topside Conformity in Modular Total Knee Arthroplasty Lead to Increased Backside Wear? The fall Closed Fall Knee Society Meeting, Toronto, 2013.
14. Snir N, Schwarzkopf R, Jaffe F. Wear Analysis of First-Generation Highly Cross-Linked Polyethylene in Total Hip Arthroplasty at 10-year Average Follow-up. The Israel Orthopaedic Association annual Meeting, Tel-Aviv, Israel, 2013.

15. Palisch CC, Schwarzkopf R, Sinha S, Scott RD Simultaneous Bilateral Knee Arthroplasty in Octogenarians: A Safe and Effective Option for Selected Patients? American Association of Orthopaedic Surgeons Annual Meeting, New Orleans, 2014.
16. Ritkes J, Eng S, Badrinath M, Schwarzkopf R, Bachman M. Evaluation of Gait Parameters and Physical Activity level in TJA Patients using a Pressure and Acceleration Sensing Insole. 21st UCI Undergraduate Research Symposium, Irvine, CA, 2014.
17. Schwarzkopf R, Phang DL, Hoang M, Ross SD, Mukamel D. Do Patients with Income-based Insurance Have Access to Total Hip Arthroplasty? Western Orthopaedic Association 78th Annual Meeting Big Island, Hawaii, August 2014.
18. Ahn K, Rinehart J, Cannesson M, Zeev K, Schwarzkopf R. Total Joint Replacement Perioperative Surgical Home Program: Impact of Patient Characteristics and Comorbidities on Postoperative Length of Stay. American Society of Anesthesiologists Annual Meeting. San Diego, California , 2015.
19. Cyriac J, Garson L, Vakharia S, Schwarzkopf R, Cannesson M, Zeev K. A Two-Year Review of a Total Joint Replacement Perioperative Surgical Home Program: A Focus on Sustainability. American Society of Anesthesiologists Annual Meeting. San Diego, California , 2015.
20. Ahn K, Rinehart J, Cannesson M, Zeev K, Schwarzkopf R. Total Joint Replacement Perioperative Surgical Home Program: Effects of Modification of Pain Protocol on Incidence of PONV. American Society of Anesthesiologists Annual Meeting. San Diego, California , 2015.
21. Mayer R, Bederman S, Schwarzkopf R. Risk Of Contamination In Orthopaedic Surgical Instruments. Western Orthopaedic Association 79th Annual Meeting. Coeur d'Alene, Idaho, 2015.
22. Buckland AJ, Hart R, Mundis GM, Sciubba D, Lafage R, Errico TJ, Bess S, Vigdorichik J, Schwarzkopf R, Lafage V & the International Spinal Study Group. Acetabular Component Orientation in the Setting of Spinal Deformity Correction. 23rd International Meeting on Advanced Spine Techniques, Washington Washington DC, 2016.
23. Buckland AJ, Hart R, Mundis GM, Sciubba D, Lafage R, Errico TJ, Bess S, Vigdorichik J, Schwarzkopf R, Lafage V & the International Spinal Study Group. Risk of Total Hip Arthroplasty Dislocation after Adult Spinal Deformity Correction. 23rd International Meeting on Advanced Spine Techniques, Washington DC, 2016.

LEADERSHIP POSITIONS

Representative to faculty senate and student body
Ben-Gurion Medical School, Beer Sheva, Israel

1998-2004

Member of the Israeli internship committee	2004
NYU Medical School House Staff committee	2007 – 2008
Member of the publication committee 2017 American Academy of Orthopaedic Surgeons (AAOS)	2013 –
American Orthopaedic Association (AOA) Emerging Leaders Program (ELP)	2013 - Present
Member of Adult Reconstruction Generation Next	2015 – Present
Member of The Research Committee American Association of Hip and Knee Surgeons (AAHKS)	2015 – Present
Writing Panel Member for Consensus Statements for The CPG on Surgical Management of Osteoarthritis of the Knee	2016
AAOS Osteoarthritis Hip Appropriate Use Criteria Writing Panel	2017
Vice Chair of the Hip and Knee Content Committee 2017 American Academy of Orthopaedic Surgeons (AAOS)	
Director of the Knee Center, Joint Preservation and Arthritis Center	2017
Director of Research Adult Reconstruction Division (NYU)	2017
<u>LICENSES AND CERTIFICATIONS</u>	
Israel Medical License	2006
New York Medical License	2009
Massachusetts Medical License	2011
California Medical License	2012
California Department of Health Services: X-Ray Supervisor and Operator Certification	2012
American Board of Orthopaedic Surgery Board Certified	2014
Israeli Scientific Committee Orthopaedic Surgery Board Certified	2015

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Medical Association	2009 – 2010
American Academy of Orthopaedic Surgery	2007 – Present
American Association of Hip and Knee Surgeons	2010 – Present
American Board of Orthopaedic Surgery – Board Certified	2014 - Present
Western Orthopaedic Association	2013 – 2015
American Orthopaedic Association-Emerging Leaders Program	2013 – Present
European Hip Society	2014 – Present
The Association of Bone and Joint Surgeons	2017 - Present

UNIVERSITY AND COMMUNITY SERVICE

NYU Langone Medical Center Hospital of Joint Diseases

Zero Harm Initiative Committee	2017 - Present
Resource utilization committee, Preference card initiative	2015 – Present
Same Day Discharge Committee	2015 – Present
JPAC (Joint Preservation and Arthritis Center) Committee	2015 – Present
HJD Joint Pathway and Same Day Discharge Committee	2015 – Present
HJD 11 South Unit Medical Director	2015 – Present
NYULMC HJD Resident Faculty Advisor	2015 – Present
HJD Joint Operations Committee	2015 – Present
NYU/ISK Adult Reconstruction Fellowship Committee	2015 - Present

University of California, Irvine

Lean Sigma Joint Replacement Surgical Home Committee	2012 – 2015
Orthopaedic Department Education Committee	2013 – 2015

Orthopaedic Department Residency Selection Committee	2012 – 2015
School of Medicine Applicant Selection Committee	2012 – 2015
UCI Academy for Innovation in Medical Education (AIME)	2013 – 2015
Leadership Steering Committee Perioperative Surgical Home	2013 – 2015

Community Service

Volunteer lecturer in high schools in the “Stop Sexual Violence” program 2004 Ministry of Education, Israel	1998 –
New York City Public School Athletic League Physician Harry S Truman High School Football Team	2007 – 2008
Alvin Ailey Dance Theater – House Physician	2007 – 2011
Volunteer Surgeon in Operation Walk Boston, Santo Domingo, Dominican Republic	3/2012
Arthritis Walk Orange County – UCI Team Captain	2013 - 2014
Arthritis foundation Orange County board member	2014 - 2015

Service to Scholarly Journals and Publications

Reviewer, <i>The American Journal of Orthopaedics</i>	2011 – Present
Reviewer, <i>Journal of Patient Safety</i>	2011 – Present
Reviewer, <i>Orthopaedics</i>	2011 – Present
Reviewer, <i>The Knee</i>	2012 – Present
Reviewer, <i>Journal of Orthopaedic Surgery and Research</i>	2014 – Present
Reviewer, <i>Clinical Orthopaedic Related Research</i>	2015 – Present
Reviewer, <i>Bone and Joint Journal</i>	2015 – Present
Associate Editor, <i>Journal of Bone and Joint Surgery (CME)</i>	2017 - Present
Editorial Board, <i>Journal of Arthroplasty</i>	2012 – Present

Editorial Board, *Arthroplasty Today* 2014 – Present

Consulting

Smith&Nephew, Consultant 2013 – Present

Intelijoint, Scientific Advisory Board 2014 – Present

Gauss Surgical, Scientific Advisory Board 2014 – Present

Personal Information

Wife: Aude Schwarzkopf MBA

Children: Matan, Yaelle, and Mia Schwarzkopf

Languages: Fluent (mother-tongue) in Hebrew, English and Spanish, conversational French.

Hobbies: Triathlon, snowboarding, wind surfing, scuba diving, mountaineering, and basketball.