

CURRICULUM VITAE

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

Division of Adult Reconstruction Surgery, Department of Orthopaedic Surgery

NYU Hospital for Joint Diseases, NYU Langone Orthopaedic Hospital

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301 East 17th Street, New York, NY 10003

CURRENT POSITIONS

Associate Professor of Orthopaedic Surgery 2015 - Present
Associate Division Chief Adult Reconstruction Surgery
Director of the Knee Center, Joint Preservation and Arthritis Center
Director of Research Division of Adult Reconstruction Surgery
Associate Program Director NYU Orthopedic Residency Program
Department of Orthopaedic Surgery
NYU Langone Orthopaedic Hospital, Hospital for Joint Diseases
NYU Langone Health

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 New York, NY	Residency, Orthopaedic Surgery	2006-2011

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 Langone Orthopedic Hospital, Hospital for Joint Diseases
Division of Adult Reconstruction Surgery, Department of Orthopaedic Surgery

Division Chief of Joint Replacement 9/2015-8/2017
Bellevue Hospital, NYU Medical School
Department of Orthopaedic Surgery

Site Director of NYU/ISK Adult Reconstruction Fellowship 9/2015-9/2018

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

 Associate Program Director NYU Orthopedic Residency Program 1/2020-Present
 Associate Division Chief Adult Reconstruction Surgery 1/2019-Present
 Joint Preservation and Arthritis Center
 NYU Langone Orthopedic Hospital, Hospital for Joint Diseases
 Department of Orthopaedic Surgery

 Director of the Knee Center 4/2016-Present
 Joint Preservation and Arthritis Center
 NYU Langone Orthopedic Hospital, Hospital for Joint Diseases
 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 Beer Sheva, Israel	2002
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 2005 Awarded annually to top 5% of Israel's medical students	
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) 2012 Young Investigator Grant in Total Joint Arthroplasty (\$50,000)	
American Academy of Orthopaedic Surgeons (AAOS) 2012 Clinician Scientist Development Program	
American Orthopaedic Association (AOA) 2013 Emerging Leaders Program	
Kevin L. Armstrong, M.D. Clinical Faculty Teaching Award Department of Orthopaedic Surgery, University of California, Irvine	2013
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/ 2014 Orthopaedic Research Education Foundation Young Investigator Award	
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

Third Place Resident/Fellow Rapid-Fire Award, Annual Clinical Orthopaedic Society Meeting (Mentor/PI). 2017

Blue Ribbon Article Award, Orthopaedics
2018 Primary Total Hip Arthroplasty with Same-Day Discharge Who Failed and Why

Best Scientific Exhibit at 2018 AAOS Annual Meeting
2018 "The Spinopelvic Relationship: A Stepwise Approach to Ensuring Stability in High-Risk Dislocation Patients Undergoing Total Hip Arthroplasty"

Extramural Honors - The 17th Annual Dean's Honor Day NYU
2018

Best Video Award Joint Arthroplasty Mountain Meeting (JAMM)
2019

"Revision Total Hip Arthroplasty for Advanced Oxidized Zirconium Wear."

Best Scientific Exhibit at 2019 AAOS Annual Meeting
2019 "How to Create a Patient-Specific Target for Acetabular Component Position in Total Hip Arthroplasty - Defining the Functional Safe Zone"

The Knee Society Mark Coventry Award
2019

"A Multi-Center Randomized Clinical Trial of Tranexamic Acid in Revision Total Knee Arthroplasty: Does the Dosing Regimen Matter?"

The Knee Society John N Insall Award
2019

"Fructosamine is a Better Glycemic Marker Compared to Glycated Hemoglobin (HbA1C) in Predicting Adverse Outcomes Following Total Knee Arthroplasty: A Prospective Multicenter Study"

The Hip Society Frank Stinchfield Award
2019

"An Approach Based Comparison of Periprosthetic Joint Infection Rates in Total Hip Arthroplasty: A Single Institution Experience"

Best Clinical Poster, *International Society for Computer Assisted Orthopaedic Surgery*
2019 "Pelvic Tilt Cannot Be Accurately Predicted Using Anteroposterior Radiographs"

RESEARCH SUPPORT

On Going

Radiological Society of the North America (RSNA), RSCH2018 6/2020
Optimization of the Radiofrequency Pulse Polarization for Reduction of Metal Related Artifacts in
3T Magnetic Resonance Imaging of the Hip Arthroplasty Implants - \$150,000
Role- co-Advisor

Ethicon prospective study, i20-00280 5/2020
Knotless Suture in Revision Total Joint Arthroplasty: A Prospective Randomized Controlled Trial
- \$82,061
Role- Principal Investigator

Smith&Nephew Sponsored Research Grant, 9-01969 5/2020
2-year outcomes of implanted REDAPT Fully Porous Cup and XLPE Line- \$47,366
Role: Principal Investigator

Orthopaedic Trauma Association 10/2019
DIFFIR: Geriatric DIstal Femur: FIxation versus Replacement: A Randomized Controlled Trial of
Acute Open Reduction Internal Fixation (ORIF) versus Distal Femur Replacement (DFR) -
\$90,000
Role: Co-Principal Investigator

National Institute of Health (NIH) K-08 Grant. 3/2019
Personal Surgical Planning to Avoid Hip Dislocation after Total Hip Arthroplasty: Concept of
Functional Safe Zone. Aidin Eslam Pour MD (Principal Investigators) - \$250,000
Role: Consultant/Advisor

The 1st Tri-Organization Grant (AAHKS, Knee Society, Hip Society). 5/2019
Vancomycin Powder and Dilute Povidone Iodine Lavage for Infection Prophylaxis in High Risk
Total Joint Arthroplasty: A Randomized Prospective Trial. William Long MD (Principal
Investigators) - \$50,000 (\$25,000 Knee Society, \$25,000 Hip Society)
Role: Co-Principal Investigator

American Association of Hip and Knee Surgeons (AAHKS) FARE Grant. 5/2019
Vancomycin Powder and Dilute Povidone Iodine Lavage for Infection Prophylaxis in High Risk
Total Joint Arthroplasty: A Randomized Prospective Trial. William Long MD (Principal
Investigators) - \$50,000
Role: Co-Principal Investigator

Smith&Nephew Sponsored Research Grant 5/2019
10-Year Outcome Data of Redapt Acetabular Cup and Polar Implants- \$139,000
Role: Principal Investigator

Intelijoint Sponsored Research Grant 5/2019
Evaluation of Hip resurfacing acetabular placement and leg length and offset with the use of a mini-navigation system - \$10,000
Role: Principal Investigator

Intelijoint Sponsored Research Grant 5/2019
Acetabular and femoral implant placement in obese patient with the use of a mini-navigation system - \$10,000
Role: Principal Investigator

Orthopaedic Research and Education Foundation Grant. 2/2019
Targeting the Functional Safe-Zone with Robotic-Assisted THA. Ran Schwarzkopf MD (principal investigator) / Tyler Luthringer MD (Co-Investigator) - \$90,000
Role: Principal Investigator

American Association of Hip and Knee Surgeons (AAHKS) FARE Grant. 5/2018
OramaVR: Virtual Reality Applications to Orthopaedic Surgical Training. William B. Macaulay, MD / Jessica Hooper, MD (Principal Investigators) - \$50,000
Role: Co-Investigator

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 PI

Completed

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

OMeGA Residency/General Educational Grant (\$3045) iPad Utilization for Resident Fracture Reduction Education Role: Faculty Sponsor	7/2014
UC Health Center for Health Quality & Innovation, (“CHQI”) (\$80,000) “Episode of Care Bundled Payments for Total Joint Arthroplasty” Role: Co-investigator	2/2014-2/2015
Faculty iPad Innovation Pilot iMedEd initiative Academy for Innovation in Medical Education Role: Principal Investigator	2/13/2014-7/13/2014
Institute for Clinical and Translational Science Pilot Grant (\$27,500) Study of Knee Cartilage Degeneration by Novel Orientation/Thickness Dependent T2 and T1rho Mapping Approach Role: Co-Investigator	08/01/2013-07/31/2013
Investigator Initiated Research Grant by Pacira Pharmaceutical (\$12,000) Unrestricted – Randomized Controlled Clinical Trial of two different periarticular injections for pain control following Total Knee Arthroplasty Role: Principal Investigator	10/1/2013-9/30/2014
Summer Undergraduate Research Program/UROP (ID-SURP) Fellowship (\$1200) – Linda, Doan Factors in Determining Discharge Destination for Patients Undergoing Joint Replacement: A Retrospective Study Role: Co-Investigator/Sponsor	6/1/2014-9/1/2014
Dean’s Summer Research, UCI Medical School-Tran Jonathan (\$2,000) Periarticular infiltration for pain control in total knee arthroplasty Role: Co-Investigator/Sponsor	6/1/2014-9/1/2014
Multidisciplinary Design Program (MDP) program 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	11/1/2013-6/01/2014
Interdisciplinary Summer Undergraduate Research Program (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	6/1/2013-9/1/2013

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

INDUSTRY SPONSURED TRIALS

Smith&Nephew INC On-going
Legion Hinge Total Knee Prospective Outcome Study - \$202,000
Role: Principal Investigator

Smith&Nephew INC On-going
Journey II XR Prospective Outcome Study - \$446,000
Role: Principal Investigator

Smith&Nephew INC On-going
Oxinium Femoral Head Total Hip Arthroplasty Prospective Outcome Study - \$1,151,000
Role: Principal Investigator

Smith&Nephew INC On-going
Redapt Revision Total Hip Arthroplasty Retrospective and Prospective Outcome Study -
\$161,000
Role: Principal Investigator

Smith&Nephew INC On-going
Navio Robotic Total Knee Arthroplasty Prospective Outcome Study - \$157,000
Role: Principal Investigator

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. Autospecies 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.
3. 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.
4. Schwarzkopf R, Rath E. Metabolic Cause of Shoulder Impingement Syndrome. *J Chinese Clinical Medicine*, September 2007; Vol 2, No 9: 513 -515.
5. 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.
6. 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.
7. 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.
8. 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.
9. Oron A, Schwarzkopf R, Loebenberg M. Tennis elbow (lateral epicondylitis) assessment and treatment. *Harefuah*, 2008 Apr; 147(4): 340-3, 373. PMID: 18686818.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
 15. 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.
 16. 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.
 17. 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.
 18. 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.
 19. 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.
 20. 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.
 21. 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.
 22. 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 Unicompartmental Knee Arthroplasties. *J Arthroplasty*. 2011 Dec;26(8):1396-403.. doi: 10.1016/j.arth.2010.12.023. PMID: 21353454
 23. 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.

24. 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
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. Cohn RM, Schwarzkopf R, Jaffe F. Heterotopic Ossification After Total Hip Arthroplasty. *Am J Ortho.* 2011 Nov;40(11): E232-E235. PMID: 22263220.
31. 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.
32. 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.
33. 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.
34. 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.
35. 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.

36. 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.
37. 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.
38. Schwarzkopf R, Alvarado C. Perioperative Complications after Total Hip Arthroplasty. *Minerva Orthopedica e Traumatologica*. 2012 April;63(2):125-140.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.

46. 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.
47. 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.
48. 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.
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360. Bondarenko S, Ashukina N, Maltseva V, Ivanov G, Denisenko S, Schwarzkopf R. Evaluation of The Bone Morphology Around Four Types of Porous Metal Implants Placed In Distal Femur Of Ovariectomized Rats. *Transactions of The Virtual EFFORT Conference, 2020.*
361. Huang B, MacDonald J, Schwarzkopf R, Gerlinger T, Swank M, Kamali A, Schinsky M, Ast M. Assessing the Early Clinical Performance Of A Bi-Cruciate Retaining Total Knee Implant: A Prospective Multicenter Study Of 174 Primary Total Knee Arthroplasties. *Transactions of The Virtual EFFORT Conference, 2020.*

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. “Trunnionosis 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.
30. "Acetabular Disassociation". AAHKS, European Hip Society and Ukraine Orthopaedic Association Meeting, Khrakiv, Ukraine, October 2017.
31. "Modern DVT Prophylaxis for TJA". AAHKS, European Hip Society and Ukraine Orthopaedic Association Meeting, Khrakiv, Ukraine, October 2017.
32. "Avoiding Leg Length Discrepancy", Hospital for Special Surgery 29th Annual Hip&Knee Winter Course. New York, NY, December 2017.
33. "The Hip Spine Relationship", Grand Rounds, Yichilov, Tel Aviv Medical Center, Israel, March 2018.
34. "Same Day THA: Failure to Launch and why?", Emily Berend Adult Reconstruction Symposium (EBRS), Duke University, Durham, NC 2018.

35. "Hospital Consumer Assessment of Providers and Systems", Emily Berend Adult Reconstruction Symposium (EBRS), Duke University, Durham, NC 2018.
36. "Instability in THA", Emily Berend Adult Reconstruction Symposium (EBRS), Duke University, Durham, NC 2018.
37. "Conversion of Previous Hip Surgery to a THA: Planning and Pitfalls", 2018 ICJR Transatlantic Orthopaedic Congress, New York, NY, October 2018.
38. "Robotic Total Hip Arthroplasty is it the Future", 2018 ICJR Transatlantic Orthopaedic Congress, New York, NY, October 2018.
39. "Current Trends in Total Hip Arthroplasty Navigation", 2018 ICJR Transatlantic Orthopaedic Congress, New York, NY, October 2018.
40. "Stem Selection in Total Hip Arthroplasty", AAHKS Annual Meeting Resident Course, Dallas 2018.
41. "Avoiding Leg Length Discrepancy", Hospital for Special Surgery 30th Annual Hip&Knee Winter Course. New York, NY, December 2018.
42. "How I address the hip and the spine to minimize the risks", Hospital for Special Surgery 30th Annual Hip&Knee Winter Course. New York, NY, December 2018.
43. "Stem Selection- Proximal Fixation", Hospital for Special Surgery 30th Annual Hip&Knee Winter Course. New York, NY, December 2018.
44. "Rehabilitation after Total Joint Arthroplasty". 44th Annual Comprehensive Review of Physical Medicine and Rehabilitation, NYU, New York 2019.
45. "Dislocation and Spinal Pelvic Mobility" Hip Society Symposium, International Society for Technology in Arthroplasty 32st Congress, Toronto, Canada, 2019.
46. "Hip Spine Relationship" Hip Society Specialty Day, Orlando, FL, April 2020.
47. "Simplifying the Hip Spine relationship" Grand Rounds Visting Professor, University of Kentucky, Lexington, KY, May 2020.

INVITED COURSE FACULTY

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
Masters Revision Course, Smith&Nephew, Las Vegas, NV	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

Ecuadorian Orthopaedic Association Arthroplasty Meeting, Quito, Ecuador
2017

Masters Revision Course, Smith&Nephew, Las Vegas, NV
2017

Ukraine combined EHS and AAHKS annual meeting, Kharkov, Ukraine
2017

ICJR Transatlantic Orthopaedic Congress, New York, NY
2017

AAHKS Annual Meeting Resident Course, Dallas, TX
2017

HSS 29th Annual Hip&Knee Winter Course, New York, NY
2017

Annual Fellows Course Smith&Nephew (Course Chairman), Memphis, TN 2018

ICL AAOS: The Basic Knee Revision – Simple Knee Revision, New Orleans, LA
2018

10th Annual EBRAS meeting Duke Arthroplasty Division, Durham, NC
2018

London Hip Meeting, London, UK
2018

Soluciones LATAM-Advanced Knee Reconstruction Surgery, Mexico City Mexico 2018

3rd Global Insights meeting, Smith&Nephew, London, UK
2018

Masters Revision Course, Smith&Nephew, Las Vegas, NV
2018

Modern Solutions in Joint Replacement, Smith&Nephew, Miami, FL
2018

ICJR Transatlantic Orthopaedic Congress, New York, NY
2018

AAHKS Annual Meeting Resident Course, Dallas, TX
2018

HSS 29th Annual Hip&Knee Winter Course, New York, NY
2018

Annual Fellows Course Smith&Nephew, Memphis, TN
2019

ICJR Winter Course, Vail, Colorado
2019

Joint Arthroplasty Mountain Meeting (JAMM), Park-City, UT
2019

ICL AAOS: The Basic Knee Revision – Simple Knee Revision, Las Vegas, NV
2019

ICL AAOS: A Case-Based Approach to High Risk Total Hip Arthroplasty –
When Do I Do Something Differently? Las Vegas, NV
2019

Hip Society Specialty Day: Lessons Learned from Difficult Cases, Las Vegas, NV 2019

North American Hip & Knee Symposium (NAHKS), Smith&Nephew, Scottsdale, AR
2019

Hip Revision Master Class. Berlin, Germany
2019

Legion and Friends, Cartagena, Columbia
2019

International Ecuadorian Arthroplasty Course, Quayaquil, Ecuador
2019

Master Course in Hip and Knee arthroplasty, Zurich, Switzerland
2019

AAOS/AAHKS/The Knee Society Innovative Surgical Techniques: Partial, Total and Revision
Knee Arthroplasty, Chicago, IL
2019

Masters Revision Course, Smith&Nephew, Las Vegas, NV
2019

Hip Society Annual Meeting, Moderator, Holer, WI
2019

AAHKS Annual Meeting Resident Course, Dallas, TX
2019

39th Annual Israeli Orthopaedic Association meeting, Tel Aviv, Israel
2019

Annual Fellows Course Smith&Nephew, Memphis, TN
2020

ICJR Winter Course, Vail, Colorado
2020

Hip Society Specialty Day, Orlando, FL

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. Riesgo AM, Schwarzkopf R. Custom Triflange Implant. The Adult Hip - Master Case Series and Techniques. Editor: Eleftherios Tsiridis, Springer. (2018). pp 459-466. ISBN 978-3-319-64175-1.
10. Pham D, Schwarzkopf R. Conversion THA in Sickle Cell Patient. The Adult Hip - Master Case Series and Techniques. Editor: Eleftherios Tsiridis, Springer. (2018). pp 339-350. ISBN 978-3-319-64175-1.
11. Old AB, Schwarzkopf R. Complex Total Hip Arthroplasty After Slipped Capital Femoral Epiphysis. The Adult Hip - Master Case Series and Techniques. Editor: Eleftherios Tsiridis, Springer. (2018). pp 281-301. ISBN 978-3-319-64175-1.
12. Scolaro J, Schwarzkopf R. Periprosthetic Femoral Fracture Case. The Adult Hip - Master Case Series and Techniques. Editor: Eleftherios Tsiridis, Springer. (2018). pp 791-816 ISBN 978-3-319-64175-1.
13. Phan D.L., Schwarzkopf R. (2018) Aseptic Synovitis. In: Bono J., Scott R. (eds) Revision Total Knee Arthroplasty. Springer, Cham. pp 367-379. DOI: https://doi.org/10.1007/978-3-319-67344-8_25.
14. Schwarzkopf R, Dai A. Video Chapter 232: Total Knee Revision, in Scott WN (ed): Insall & Scott Surgery of the Knee, 6thEdition. Philadelphia, PA. Elsevier Inc 2018.
15. Novikov D, Chen K, Schwarzkopf R, Iorio R. Total Hip Arthroplasty in the Setting of Proximal Femoral Deformity. Orthopaedic Knowledge Update: Hip and kNee Reconstruction. AAOS 2019.
16. Davidovitch R, Schwarzkopf R. Total Hip Arthroplasty: Direct Anterior Approach Using a Specialized Table. Chapter 58, Atlas of Essential Orthopaedic Procedures 2, AAOS 2019.
17. Gualtieri A, Vigdorichik J, Schwarzkopf R. Principles of Instrumentation and Component Alignment. Chapter 74. *The Adult Knee* Second Edition. In Press.
18. Morton JM, Schwarzkopf R, Vigdorichik J. Patient Specific Instrumentation. Chapter 34. *The Adult Knee* Second Edition. In Press.

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
3. "Total Knee Revision " by Ran Schwarzkopf and Amos Dai, BS, NYU Hospital for Joint Diseases, New York, NY.
4. "Surgical Techniques Utilized During Revision Total Hip Arthroplasty (THA)" by Ran Schwarzkopf and Amos Dai, BS, NYU Hospital for Joint Diseases, New York, NY.
5. Revision Total Hip Arthroplasty for Advanced Oxidized Zirconium Wear. By Christian Pean, Daniel Buchalter, Isabella Bianco, Ran Schwarzkopf, Jonathan Vigdorichik. Video Presentation AAOS 2019 Annual Meeting.

6. Schwarzkopf R, ed: *Surgical Insights: Total Hip Arthroplasty* [online course]. Rosemont, IL American Academy of Orthopaedic Surgeons, 2019.
7. “Primary Total Hip Arthroplasty With a Smart, Miniature Navigation Tool” by Ran Schwarzkopf NYU Orthopedic Hospital, New York, NY. OVT AAOS 2020.

MENTORED STUDENTS

Undergraduate

Natasha Le	UC Irvine
Eliena Mahgerefteh	UC Irvine
Melinda Hoang	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 Spinocapular 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 Spinocapular 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 Unicompartmental 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 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 2004 Ben-Gurion Medical School, Beer Sheva, Israel	1998-
Member of the Israeli internship committee	2004
NYU Medical School House Staff committee	2007 –2008
Member of the publication committee American Academy of Orthopaedic Surgeons (AAOS)	2013 –2017
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 American Academy of Orthopaedic Surgeons (AAOS)	2017
Director of the Knee Center, Joint Preservation and Arthritis Center (NYU)	2017
Director of Research Adult Reconstruction Division (NYU) 2017	
Member of the membership Committee American Association of Hip and Knee Surgeons (AAHKS)	2019
Associate Division Chief Adult Reconstruction Fellowship (NYU)	2019
AAHKS Board member, member-at-large	2019

Chair of the Hip and Knee Content Committee American Academy of Orthopaedic Surgeons (AAOS)	2020
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LICENSES AND CERTIFICATIONS

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
Eastern Orthopaedic Association	2017–Present
European Knee Society	2017-Present
Hip Society	2018-Present
Knee Society	2019-Present

UNIVERSITY AND COMMUNITY SERVICE

NYU Langone Medical Center Hospital of Joint Diseases

Zero Harm Initiative Committee	2017–Present
HRO Department of Orthopedic leadership	2017–Present
Resource utilization committee, Preference card initiative	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 Ministry of Education, Israel	1998–2004
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, <i>Arthroplasty Today</i>	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.