

**Jad Georges Khalil, MD**  
Orthopaedic Spine Surgeon

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### **Hospital Address**

Beaumont Hospital  
Medical office building ste 742  
3601 West Thirteen Mile Road  
Royal Oak, MI 48073

### **Medical Office Address**

Michigan Orthopaedic Institute  
26025 Lahser Road, 2nd Floor  
Southfield, MI 48033  
(248) 663-1900

### **EDUCATION AND TRAINING**

7/12-6/13	Mayo Clinic, Rochester MN Fellowship, Spine Surgery
6/07-6/12	Henry Ford Hospital, Detroit, MI Residency, Orthopaedic Surgery
6/06-6/07	Henry Ford Hospital, Detroit MI Residency, General Surgery
6/03-6/06	American University of Beirut Residency, Orthopaedic Surgery
6/99-6/03	American University of Beirut M.D.
9/96-6/99	American University of Beirut Bachelors of Science, Biology

## LICENSURES AND CERTIFICATIONS

7/2015	American Board of Orthopaedic Surgery (ABOS) certified
6/2013	Michigan Board of Medicine License number 4301087573 (active)
9/2012	Minnesota Medical Board of Medicine License Number 55678 (inactive)
7/2012	ABOS part I
4/2012	BLS/ACLS, Henry Ford Hospital
6/2007	NPI number 1124237912
2/2004	ECFMG certification (USMLE Step 1, step 2 CK, Step 2 CS, Step 3)

## PROFESSIONAL, ACADEMIC, ADMINISTRATIVE, CLINICAL, MILITARY POSITIONS

### Academic Positions

7/2020	Associate Professor of Orthopaedic Surgery Oakland University William Beaumont School of Medicine
5/2019 – Present	Director, Spine Surgery Fellowship Beaumont Health
6/2015-present	Member, Self-Assessment Examination committee

	American Academy of Orthopaedic Surgeons
6/14-present	Assistant Professor, Orthopaedic Surgery, Oakland University William Beaumont School of Medicine
7/13-present	Orthopaedic Spine Surgeon, Michigan Orthopaedic Institute, Southfield MI
7/13-present	Attending Orthopaedic Spine Surgeon, William Beaumont Hospital, Royal Oak MI
6/13-6/14	Fellow, Department of Orthopaedic Surgery, Mayo Clinic School of Medical Education (Spine Surgery)
6/12-6/13	Administrative Chief Resident, Department of Orthopaedic Surgery, Henry Ford Hospital
6/07-6/13	Resident, Department of Orthopaedic Surgery, Henry Ford Hospital
6/06-6/07	Resident, Department of General Surgery, Henry Ford Hospital
6/03-6/06	Resident, Department of Orthopaedic Surgery, American University of Beirut

### **Administrative Positions**

1/2020- Present	Chair, Personnel Committee Michigan Orthopaedic Surgeons, PLLC
5/2019- Present	Chief, Orthopaedic Clinical Care Programs Beaumont Health
9/2018- Present	Chair, Value Analysis Team (VAT), orthopaedics Beaumont Health

9/2018- 2020	Medication Use Committee Beaumont Health System-Royal Oak
5/2018-Present	Surgical Quality Assurance Committee Beaumont Health System-Royal Oak
2017-2019	Clinical Care Programs, Beaumont Health System
9/2016-Present	Board Member, Executive Committee Michigan Orthopaedic Surgeons PLLC
8/2014-Present	Physician Champion, Michigan Spine Surgery Improvement Collaborative William Beaumont Hospital, Royal Oak MI
12/2014-Present	Physician Champion, Joint Commission Spine Center of Excellence William Beaumont Hospital, Royal Oak, MI
7/2013-present	Clinical Competency Committee Orthopaedic Surgery Residency William Beaumont Health System
6/12-6/13	Administrative Chief Resident, Department of Orthopaedic Surgery, Henry Ford Hospital
6/06-6/12	OSHA committee Henry Ford Hospital

### **Professional Positions**

7/13- Present	Orthopaedic Spine Surgeon, Michigan Orthopaedic Institute, Southfield MI
7/13- Present	Orthopaedic Spine Surgeon, William Beaumont Hospital, Royal Oak MI

### **SOCIETAL MEMBERSHIPS**

7/2018	Fellow, American Orthopaedic Association (AOA)
6/12	North American Spine Society
6/11- 6/2018	American Orthopaedic Association – Emerging Leaders Program
6/07	Fellow, American Academy of Orthopaedic Surgeons
6/07	Detroit Society of Orthopaedic Surgeons
6/07	Michigan Orthopaedic Society

## **AWARDS AND HONORS**

10/2012	Poster Presentation Award North American Spine Society
6/2011	Harold M. Frost Best Research Award Henry Ford Health System
3/2011	Dallas B. Phemister Research Award Mid-American Orthopaedic Association
7/2010	Journal of Orthopaedic Trauma Resident Teaching Award Henry Ford Health System
01-03	American University of Beirut Faculty of Medicine Dean's Honor List
96-99	American University of Beirut Faculty of Arts & Sciences Dean's Honor List
6/96	French Baccalaureate – Honors –

## **COMMUNITY SERVICE**

2011-2012	Michigan High Schools (*4) Orthopaedic Consultant
5/2006	Beirut International Marathon Volunteer Physician
2001-2003	Volunteer Outreach Clinic Sabra, Lebanon

## **PROFESSIONAL/FACULTY DEVELOPMENT**

7/2013-present	Oakland University School of Medicine Medical Student Mentor – Capstone project
7/2013-present	William Beaumont Hospital Resident and Fellows Spine Curriculum
2012-2013	Mayo Clinic Division of Spine Surgery Resident and Fellow Didactics
6/2012	American Orthopaedic Association Emerging Leaders Program Resident Leadership Forum
2011-2012	Henry Ford Health System Department of Orthopaedic Surgery Yearly Didactic Curriculum

## **RESEARCH/GRANTS**

### **Current Projects**

1. Principal Investigator: AN INVESTIGATION OF THE METAL CONCENTRATION IN SUBJECTS IMPLANTED WITH THE PRESTIGE LP

CERVICAL DISC AT TWO CONTIGUOUS LEVELS IN THE CERVICAL  
SPINE Sponsor: Medtronic Start Date: August 2018

2. Principal Investigator: CONFIRMATORY CLINICAL STUDY TO SUPPORT THE EFFECTIVENESS AND SAFETY OF OXIPLEX FOR THE REDUCTION OF PAIN AND SYMPTOMS FOLLOWING LUMBAR SURGERY  
Sponsor: Fziomed, Inc Start Date: May 2018
3. Principal Investigator: A PROSPECTIVE, MULTI-CENTER, RANDOMIZED CONCURRENTLY CONTROLLED TRIAL TO EVALUATE THE SAFETY AND EFFECTIVENESS OF THE ALTUM PEDICLE OSTEOTOMY SYSTEM FOR USE IN LUMBAR SPINAL STENOSIS  
Sponsor: Innovative Surgical Designs Start Date: September 2017
4. Principal Investigator: CLINICAL STUDY PROTOCOL FOR THE INVESTIGATION OF THE TWO LEVEL SIMPLIFY CERVICAL ARTIFICIAL DISC  
Sponsor: Simplify Start Date: April 2018
5. Principal Investigator: A PROSPECTIVE CLINICAL EVALUATION OF THE CENTINEL SPINE™ STALIF C® NO PROFILE® INTEGRATED INTERBODY FUSION™ DEVICE  
Sponsor: Centinel Spine, Inc. Start Date: September 2016
6. Principal Investigator: INTRACEPT: A PROSPECTIVE, RANDOMIZED, MULTI-CENTER STUDY OF INTRAOSSEOUS BASIVERTEBRAL NERVE ABLATION FOR THE TREATMENT OF CHRONIC LOW BACK PAIN  
Sponsor: Relievent Medsystems, Inc. Start Date: August 2017
7. Principal Investigator: A PROSPECTIVE CLINICAL EVALUATION OF THE LEVA™ INTERBODY DEVICE  
Sponsor: SpineWave Start Date: January 2017
8. Principal Investigator: ANTERIOR CERVICAL DISCECTOMY AND FUSION USING THE TRITANIUM C ANTERIOR CERVICAL CAGE FOR ONE OR TWO-LEVELS: A CLINICAL AND RADIOGRAPHIC ANALYSIS PILOT STUDY  
Sponsor: Stryker Spine Start Date: Pending – September 2019
9. Principal Investigator: CLINICAL OUTCOMES ASSOCIATED WITH THE USE OF VIVIGEN IN CONJUNCTION WITH POSTEROLATERAL FUSION FOR THE TREATMENT OF DDD  
Sponsor: Johnson & Johnson DePuy Synthes Spine Start Date: October 2018

10. Principal Investigator: A PROSPECTIVE CLINICAL STUDY OF THE SPIRA-C TITANIUM OPEN MATRIX INTERBODY DEVICE FOR ACDF  
Sponsor: Camber Spine Technologies, Inc. Start Date:  
December 2018
11. Co-Investigator: A COMPARISON OF COMPLICATION RATES BETWEEN LATERAL APPROACHES TO THE LUMBAR SPINE: K2M RAVINE® FAR LATERAL SYSTEM VERSUS NUVASIVE XLIF®  
Sponsor: K2M Start Date: May 2014
12. Co-Investigator: THE FUSION RATE WITH K2M VESUVIUSTM DEMINERALIZED FIBERS USED WITH K2M EVEREST® SPINAL SYSTEM COMPARED TO AUTOLOGOUS BONE GRAFT WITH POSTERIOR STABILIZATION  
Sponsor: K2M Start Date: April 2015
13. Co-Investigator: DURASEAL™ EXACT SPINE SEALANT SYSTEM POST-APPROVAL STUDY  
Sponsor: Integra LifeSciences Corporation  
Start Date: September 2012 – August 2016
14. Co-Investigator: A PROSPECTIVE, POST-MARKET, MULTI-CENTER, OPEN LABEL, NON-RANDOMIZED CLINICAL STUDY OF THE EFFICACY OF USING TRINITY ELITE IN LUMBAR FUSION SURGERY  
Sponsor: Orthofix, Inc. Start Date: March 2017
15. Co-Investigator: A CONCURRENTLY CONTROLLED STUDY OF THE LIMIFLEX PARASPINOUS TENSION BAND IN THE TREATMENT OF LUMBAR DEGENERATIVE SPONDYLOLISTHESIS WITH SPINAL STENOSIS (IDE)  
Sponsor: Empirical Spine, Inc.  
Start Date: August 2017

## PEER-REVIEWED PUBLICATIONS

1. Morandi M, Banka T, Gaiarsa GP, Guthrie ST, **Khalil J**, Hoegler J, Lindeque BG: Intramedullary nailing of tibial fractures: review of surgical techniques and description of a percutaneous lateral suprapatellar approach. Orthopedics. 2010 Mar;33(3):172-9. doi: 10.3928/01477447-20100129-22. PMID: 20205366
2. Erez O, **Khalil JG**, Legakis JE, Tweedie J, Kaminski E, Reynolds RA. Ultrasound Evaluation of Ulnar Nerve Anatomy in the Pediatric Population. J Pediatr Orthop. 2012 Sep;32(6):641-6. PMID: 22892630

3. **Khalil JG**, Mott MP, Parsons TW 3rd, Banka TR, van Holsbeeck M. Can Musculoskeletal Tumors be diagnosed with Ultrasound Fusion Guided Biopsy? – Clin Orthop Relat Res. 2012 Aug;470(8):2280-7. Epub 2012 May 30. PMID: 22644425
4. **Khalil JG**, Nassr A, Maus TP. Physiologic Imaging of the Spine. Radiol Clin North Am. 2012 Jul;50(4):599-611. PMID: 22643387
5. **Khalil JG**, Nassr A, Diehn FE, Campeau NG, Atkinson JL, Sia IG, Hanna A. Thoracolumbar Spinal Subdural Abscess: MRI Appearance and Limited Surgical Management Spine (Phila, Pa 1976) 2013 Feb 25. [Epub ahead of print] PMID: 23442778
6. Zaryanov AV, Park DK, **Khalil JG**, Baker KC, Fischgrund JS. Cement augmentation in vertebral burst fractures. Neurosurg Focus. 2014 Jul;37(1):E5. doi: 10.3171/2014.5.FOCUS1495. PMID: 24981904
7. Wessell N, **Khalil J**, Zavatsky J, Ghacham W, Bartol S. Verification of Nerve Decompression Using Mechanomyography Spine J. 2016 Feb 29. pii: S1529-9430(16)00378-8. doi: 10.1016/j.spinee.2016.02.025 PMID: 26940191
8. Frisch NB, Nahm NJ, **Khalil JG**, Les CM, Guthrie ST, Charters MA. Short Versus Long Cephalomedullary Nails for Pertrochanteric Hip Fracture. Orthopedics. 2016 Nov 22:1-6. PMID: 27874910
9. **Khalil JG**, Fischgrund JS, Roberts RV: Lumbar Stenosis and Degenerative Spondylolisthesis. Orthopaedic Knowledge Online Journal 2017;15(5):2. <http://dx.doi.org/10.5435/OKOJ-15-5-2>
10. Cutibacterium acnes in Spine Pathology: Pathophysiology, Diagnosis, and Management. **Khalil JG**, Gandhi SD, Park DK, Fischgrund JS. J Am Acad Orthop Surg. 2018 Dec 4. doi: 10.5435/JAAOS-D-17-00698. [Epub ahead of print] PMID:30520801
11. **Khalil JG**, Smuck M, Koreckij T et al: A Prospective, Randomized, Multi-Center Study of Intraosseous Basivertebral Nerve Ablation for the Treatment of Chronic Low Back Pain. Spine J 2019 Jun 20 [Epub ahead of print] PMID: 31229663
12. Gandhi SD, Fahs AM, Wahlmeier ST, Louie P, Possley DR, **Khalil JG**, Park DK. Radiographic Fusion Rates Following a Stand-alone Interbody Cage versus an Anterior Plate Construct for Adjacent Segment Disease after Anterior Cervical Discectomy and Fusion. Spine (Phila Pa 1976). 2020 Jan 20. Doi: 10: 1097

13. Zakaria HM, Mansour TR, Telemi E, Asmaro K, Bazydlo M, Schultz L, Nerenz DR, Abdulhak M, Khalil JG, Easton R, Schwalb JM, Park P, Chang V. The Association of Preoperative Opioid Usage With Patient-Reported Outcomes, Adverse Events, and Return to Work After Lumbar Fusion: Analysis From the Michigan Spine Surgery Improvement Collaborative (MSSIC). *Neurosurgery*. 2019 Oct 9. pii: nyz423. doi: 10.1093/neuros/nyz423. [Epub ahead of print]
14. Schafer E, Bazydlo M, Schultz L, Park P, Chang V, Easton RW, Schwalb J, **Khalil J**, Perez-Cruet M, Abdulhak M, Aleem I; MSSIC Investigators. Rates and Risk Factors Associated With 90-day Readmission Following Cervical Spine Fusion Surgery: Analysis of the Michigan Spine Surgery Improvement Collaborative (MSSIC) Registry. *Spine J*. 2020 Jan 18:S1529-9430(20)30004-8. doi: 10.1016/j.spinee.2020.01.003. Online ahead of print.
15. Possley D, Baker E, Baker K, **Khalil JG**. Surface modification techniques to enhance osseointegration of spinal implants. *J Am Acad Orthop Surg*. 2020. [Epub Ahead of Print]. PMID: 32868701
16. Chang V, **Khalil JG** et al Racial disparities in outcomes after spine surgery: A Michigan spine surgery improvement collaborative (MSSIC) study. *Journal of Neurosurgery Spine*

## MANUSCRIPTS IN PRESS

## MANUSCRIPTS SUBMITTED

1. A Matched Cohort Analysis of Drain Usage in Elective Anterior Cervical Discectomy and Fusion: A Michigan Spine Surgery Improvement Collaborative (MSSIC) Study. Seokchun Lim, Michael Bazydlo, Lonni Schultz, David Nerenz, Paul Park, Ilyas Aleem, Jad G. Khalil, Richard Easton, Jason Schwalb, Muwaffak Abdulhak, Victor Chang
2. Preoperative HbA1c > 8% is associated with poor outcomes in lumbar spine surgery: A Michigan Spine Surgery Improvement Collaborative (MSSIC) Study"

3. Preliminary 12-Month Safety and Efficacy Outcomes for the Treatment of Cervical Radiculopathy and Myelopathy with the STALIF-C Integrated Interbody Fusion Device
4. "The association of patient education level with outcomes after elective lumbar surgery: A MSSIC study"  
Chang, V et al JNS

## BOOK CHAPTERS

5. **Khalil JG**, Fischgrund JS, Roberts RV: Surgical Management of Lumbar Spondylolisthesis. Essentials of Spinal Stabilization Springer ISBN 978-3-319-59712-6
6. Jones, C, Fischgrund JS, **Khalil JG**: Lumbar Interbody Cages. Benzel's Spine Surgery Fourth Edition Chapter 81
7. Webb B, Fischgrund JS, **Khalil JG**: Lumbar Spondylosis, Degenerative Disc Disease, and Radiculopathy. Orthopaedic Basic Science: Foundations of Clinical Practice: Fifth edition. Chapter 30
8. Petersen-Fitts G, **Khalil JG**, Fischgrund JS: Biomechanics and Implant Materials: The Anterior Column. Steinmetz: Benzel's Spine Surgery 5<sup>th</sup> edition. Chapter 15
9. **Khalil JG**, Roberts R, Fischgrund JS: Lumbar Stenosis and Degenerative Spondylolisthesis. OKU Spine 6 Chapter 19
10. Park D, Khalil JG, Planalp M: Nonoperative management of disc and degenerative disorders. In: Garfin SR, Eismont FV, Bell GR, Fischgrund JS, Bono CM, eds. Rothman-Simeone and Herkowitz' the Spine. 7<sup>th</sup> ed. Philadelphia: Elsevier, 2018. P.705-713
11. Petersen-Fitts G, **Khalil JG**, Fischgrund J: Biomechanics and Implant Materials: The Anterior Column. In: Benzel's Spine Surgery. Benzel & Steinmetz. Accepted for publication February 2020.
12. **Khalil JG**, Fischgrund J, Roberts R: Lumbar Stenosis and Degenerative Spondylolisthesis. In: Orthopaedic Knowledge Online Journal (OKOJ). Vol 15, Number 5, May 2017 pp 1-9
13. **Khalil JG**, Jones C, Fischgrund J: Lumbar Interbody Cages. In: Benzel and Steinmetz Chapter 81

## **ABSTRACTS/PODIUM PRESENTATIONS**

Banka T, Khalil J, Hoegler J. A report of post-partum diastasis treated by external fixation. Poster presentation at the Michigan Orthopaedic Society Meeting 2009

Erez O, Hoegler J, Hakeos W, Guthrie T, Khalil J. Bone Grafting Large Diaphyseal Defects Utilizing the Reamer Irrigation Aspirator: A Case Series. Podium presentation AO Challenging Cases Trauma Symposium Arizona 2009

Khalil J, Banka T, van Holsbeeck M, Silverton C. Femoro-acetabular impingement following femoral resurfacing arthroplasty. Poster presentation at the Michigan Orthopaedic Society Meeting 2009

Khalil J, Banka T, Woods T, Settecerci J. The use of intra-operative CT scanning in scoliosis surgery: a report of 3 challenging cases. Poster presentation at the Michigan Orthopaedic Society Meeting 2009

Pinchcofsky H, Bouffard J, Khalil J, van Holsbeeck M. Use of Ultrasound Multimodality Fusion for Musculoskeletal Biopsies. Electronic exhibit at the 2010 Radiological Society of North America meeting

Khalil J, Erez O, Legakis J, Reynolds R. Ultrasound Evaluation of Ulnar Nerve Anatomy in the Pediatric Population. Podium presentation at the 7th AAOS/POSNA International Pediatric Orthopaedic Symposium Dec 1-4 Orlando, FL

Khalil J, Mott M, Parsons T, van holsbeeck M, Comparison of Ultrasound Fusion and Computed Tomography Guided Biopsy in Musculoskeletal Neoplasia. Podium presentation for the 2011 AAOS Annual Meeting, February 15-19. Abstract 230

Khalil J, Mott M, Parsons T, van holsbeeck M. Comparison of Ultrasound Fusion and Computed Tomography Guided Biopsy in Musculoskeletal Neoplasia. Podium presentation for the 2011 Mid-American Orthopaedic association meeting, Tucson, April 2011

Banka T, Khalil J, Hoegler J, Guthrie S. Lateral Suprapatellar Approach for Intramedullary Tibial Nailing. Podium presentation at the Mid-American Orthopaedic Association April 2012

Khalil J, Erez O, Legakis J, Reynolds R. Ultrasound Evaluation of Ulnar Nerve Anatomy in the Pediatric Population. Podium presentation at the Mid-American Orthopaedic Association April 2012

Charters M, Khalil J, Hoegler J. Comparison of short and long cephalomedullary nails for the treatment of Intertrochanteric Hip Fractures. Podium Presentation. Detroit Association of Orthopaedic Surgeons, May 2012, Detroit, MI.

Ghacham W, Khalil J, Guthrie T, Hakeos W, Les C, and Hoegler J. Radiographic Predictors of Screw Cut-Out for Intertrochanteric Fractures Treated with Cephalomedullary Nails. Podium presentation at the Mid-American Orthopaedic Association April 2013

Ghacham W, Gupta A, Khalil J, Hakeos W, Hoegler J, and Guthrie T. Retrospective Comparison of Short vs. Long Linear Compression Cephalomedullary Nails for the Treatment of Intertrochanteric Fractures. Podium presentation at the Mid-American Orthopaedic Association April 2013

Ghacham W, Gupta A, Khalil J, Hoegler J, Hakeos W, and Guthrie T. Mortality After Intertrochanteric Hip Fracture. Podium presentation at the Mid-American Orthopaedic Association April 2013

**Khalil J**, Anderson E, Petrovic O, Wendela R, Bartol S. Verification of nerve decompression with MMG. Best poster presentation award at North American Spine Society's 27th Annual Meeting October 2012

**Khalil J**, Anderson E, Petrovic O, Wendela R, Bartol S. Assessment of Nerve Root Decompression by MMG. Podium presentation at the American Academy of Orthopaedic Surgeons March 2013 paper presentation # 822

Possley D, Baker E, Baker K, Khalil J. Surface Modification of Spine Implants. International Musculoskeletal Society (IMS)Beirut, Lebanon 2018

Khalil J, Zakaria H, Possley D, Chang V. Adverse Events and their Risk Factors After Cervical Spine Surgery: Analysis from the Michigan Spine Surgery Improvement Collaborative (MSSIC). International Musculoskeletal Society (IMS)Beirut, Lebanon 2018.

Gandhi S, Possley D, Fahs A, Baker K, Khalil J, Park D. Fusion Rate with Stand-alone Interbody Cage for Adjacent Segment Disease after Anterior Cervical Discectomy and Fusion. International Musculoskeletal Society (IMS)Beirut, Lebanon 2018

Fusion Rate with Stand-alone Interbody Cage for Adjacent Segment Disease after Anterior Cervical Discectomy and Fusion. Sapan Gandhi, Daniel Robert Possley, Adam Fahs, Kevin C. Baker, Jad Khalil, Daniel K Park. American Academy of Orthopaedic Surgeons (AAOS) 2019 podium presentation

Age is Not a Significant Predictor of Adverse Events After Cervical Spine Surgery: Analysis from the Michigan Spine Surgery Improvement Collaborative (MSSIC). Jad G. Khalil, Hesham Mostafa Zakaria, Daniel Possley, Daniel Park, Victor Chang Cervical Spine Research Society (CSRS) 2019

Hesham Zakaria; Victor Chang; Michael Bazydlo; Lonni Schultz; Yi Guo. Jad G. Khalil Chronicity of Preoperative Opioid Usage Predicts Patient Satisfaction, Return to Work, and Achieving ODI MCID up to 2 Years After Lumbar Fusion: Analysis From the Michigan Spine Surgery Improvement Collaborative (MSSIC). Podium presentation at Lumbar Spine Research Society (LSRS) 12th Annual Meeting, in Chicago, IL, on April 4-5, 2019.

Clinical Outcomes for 1 & 2 level ACDF utilizing and Integrated Interbody Device: A Prospective Non-Randomized Study. Jad G. Khalil, Rick Sasso, Ryan Snowden, Sheetal Vinayek, Lisa Motowski International Society for Advancement of Spine Surgery (ISASS) 19th Annual Conference 2019, Anaheim CA

Clinical Outcomes for 1 & 2 level ACDF utilizing and Integrated Interbody Device: A Prospective Non-Randomized Study. Jad G. Khalil, Rick Sasso, Ryan Snowden, Sheetal Vinayek, Lisa Motowski Global Spine Congress Annual Conference 2019, Toronto, Canada

Assessing Radiographic Fusion Rates Following A Stand-Alone Interbody Cage Versus an Anterior Plate Construct For Adjacent Segment Disease After Anterior Cervical Discectomy And Fusion” Sapan D. Gandhi, MD; Adam Fahs, MD; Steven Wahlmeier, MD; Philip Louie, MD; Daniel Possley, DO; Jad Khalil, MD; Kevin C. Baker, PhD; Daniel K. Park, MD Cervical Spine Research Society Annual Meeting 2019

A Matched Cohort Analysis of Drain Usage in Elective Anterior Cervical Discectomy and Fusion: A Michigan Spine Surgery Improvement Collaborative (MSSIC) Study. Mary Lundgren, DO; Victor Chang, MD; Jad Khalil, MD. Cervical Spine Research Society Annual Meeting 2021; Abstract ID 10416

A prospective, randomized, multi-center study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 12 months results. Jad G. Khalil, Matthew Smuck, Steven Garfin. AAOS 2021, San Diego, CA

Does surgery improve quality of life in wheelchair bound patients with cervical myelopathy? A Michigan Spine Surgery Improvement Collaborative (MSSIC) Study – Poster Presentation – Jad G. Khalil, Rafid Kassir. AAOS 2021

Does surgery improve quality of life in wheelchair bound patients with cervical myelopathy? A Michigan Spine Surgery Improvement Collaborative (MSSIC) Study – Poster Presentation – Jad G. Khalil, Rafid Kassir. ISASS 2021, Miami, FL

## VISITING PROFESSORSHIPS/LECTURESHIPS

9/2011	American University of Beirut Department of Orthopaedic Surgery Orthopaedic Boards Review
7/2012	American University of Beirut Department of Orthopaedic Surgery Grand Rounds – The management of Sagittal Balance in adult spinal Deformity
2/2015	Henry Ford Hospital Grand Rounds “Cervical Disc Replacement”
7/2019	International Musculoskeletal Society 12 <sup>th</sup> annual meeting <ul style="list-style-type: none"><li>• Moderator:<ul style="list-style-type: none"><li>○ My worst complications session</li></ul></li><li>• Lectures<ul style="list-style-type: none"><li>○ Robotics and navigation in minimally invasive surgery</li><li>○ Vertebrogenic back pain</li></ul></li><li>• Cadaver lab proctoring<ul style="list-style-type: none"><li>○ MIS TLIF</li><li>○ Percutaneous screw insertion</li><li>○ Kyphoplasty</li></ul></li></ul>
8/2019	Allegheny General Hospital annual conference “Basivertebral Nerve Ablation”

6/2020

Hamad Hospital, Doha, Qatar  
Navigation and Robotics in Spine Surgery

## TEACHING

### FELLOWS TRAINED

2013-2014

Anton Zaryanov, DO  
Private Practice, Dallas, TX  
Theodore Koreckij, MD  
Private Practice, Leawood, KS

2014-2015

Charles Jones, M.D.  
Private Practice, Bentonville, AR

Ali Maziad, M.D.  
Academic Practice, Newbury Park, CA

2015-2016

David Vecchione, M.D.  
Private Practice, Vero Beach, FL

Wael Ghacham, M.D.  
Private Practice, Corvallis, OR

2016-2017

Pedro Ricart, M.D.  
Private Practice, Omaha, NE

Nandan Shah, M.D.  
Private Practice, Orlando, FL

2017-2018

Ryan Sauber, M.D.  
Academic Practice, Pittsburgh, PA

Daniel Possley, D.O.  
Private Practice, Denver, CO

2018-2019

Brad Webb, D.O.  
Private Practice, Omaha NE

Yi Guo, M.D.  
Academic Practice, New York, New York

2019-2020

Mary Lundgren, D.O.  
Private Practice, Milwaukee, WI

Alex Detwiler, D.O.  
Private Practice, Oklahoma

2020-2021

Gordon Preston, D.O.  
Akron, OH

Tyson Travis, D.O.  
Kansas City, KS

### **OAKLAND UNIVERSITY EMBARK MENTEES**

2020-2021

Sazid Hasan

### **Spine Courses (non CME)**

6/2014

Teaching faculty, William Beaumont Hospital Latin American Spine Meeting

7/2015

Teaching Faculty  
Current Controversies in spine surgery, William Beaumont Hospital

7/2016

Teaching Faculty  
Current Controversies in spine surgery, William Beaumont Hospital

6/2017

Teaching Faculty  
Mastering Minimally Invasive Surgery  
William Beaumont Hospital

7/2018

Teaching Faculty  
International Musculoskeletal Society meeting  
Beirut, Lebanon

6/2019

Teaching Faculty  
Vertebral Fracture management  
Stryker IVS  
Novi, MI

6/2019	Teaching Faculty SpineJack product certification Stryker IVS Novi, MI
6/22/2019	Faculty SpineJack training Stryker IVS Norcross, GA
10/26/2019	Speaker The Intracept procedure for the relief of chronic vertebrogenic low back pain Long Island Regional Symposium Melville, NY
2/7/2020	Faculty Advancements in minimally invasive surgery Stryker Miami, FL
2/28/2020	Faculty Annual Residents and Fellows course Stryker Nashville, TN
3/7/2020	Faculty Enabling Technologies in Spine Surgery Medtronic Royal Oak, MI
6/4/2020	Faculty National Incoming Fellows Course Stryker Webinar
7/29/2020	Faculty Alternatives to Balloon Kyphoplasty: An era of mechanical restoration Stryker Webinar
10/7/20	Faculty Principles and Applications of Sacroplasty Stryker

Webinar

1/16/20

Faculty  
Sacroiliac fusion: techniques for minimally invasive lateral sacroiliac fusion  
SI BONE

### **CME Events**

6/24/2019

Moderator  
JAAOS Webinar  
Cervical Spine Deformity: Indications, Considerations, and Surgical Outcomes

### **Lectures**

1. Lower extremity soft tissue reconstruction- American University of Beirut Department of Plastic and Reconstructive Surgery Grand Rounds-12/2004
2. Compressive neuropathies of the upper extremity – American University of Beirut Department of Orthopaedics and Rehabilitation Grand Rounds- 3/2005
3. Delayed union of tibial fractures – American University of Beirut Department of Orthopaedics and Rehabilitation Grand Rounds- 2/2006
4. Hip Resurfacing Arthroplasty – Henry Ford Hospital Department of Orthopaedics; division of adult reconstructive surgery 3/2008
5. Custom patellofemoral Arthroplasty of the knee – Henry Ford Hospital Department of Orthopaedics; division of adult reconstructive surgery. 11/2008
6. Perioperative Medical Considerations in Total Joint Arthroplasty – Henry Ford Hospital Department of Orthopaedics; division of adult reconstructive surgery 11/2008
7. Pediatric elbow fractures: physeal fractures, apophyseal injuries – Henry Ford Hospital Department of Orthopaedics- 4/2009
8. Surgical treatment of Legg-Calve-Perthes – Gillette Children’s Hospital Department of Orthopaedics 2/2010

9. Management of ankle and distal tibial fractures – Henry Ford Hospital  
Department of Orthopaedics- 3/2011

10. The Business of Orthopaedics – Beaumont Hospital – 5/2020

## **PEER-REVIEW ASSIGNMENTS**

1. Journal of the American Academy of Orthopaedic Surgeons
2. Clinical Orthopaedics and Related Research