**Jad G. Khalil, MD, FAAOS, FAOA**

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| **Hospital Address** | **Medical Office Address** |
| Beaumont HospitalMedical office building ste 7423601 West Thirteen Mile Road Royal Oak, MI 48073 | Michigan Orthopaedic Surgeons26025 Lahser Road, 2nd FloorSouthfield, Ml 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

**PROFESSIONAL, ACADEMIC, ADMINISTRATIVE, CLINICAL, POSITIONS**

 **Academic Positions**

1/2022 Editor, Spine Section, Journal of the American Academy of Orthopaedic Surgeons (Review articles and original research)

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 Self-Assessment Examination committee

 American Academy of Orthopaedic Surgeons

2013-2020 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- 8/2021 Chair, Personnel Committee

 Michigan Orthopaedic Surgeons, PLLC

2019- Present Chief, Orthopaedic Clinical Care Programs

 Beaumont Health

2019- Present Chief, Spine Surgery

 William Beaumont Hospital

9/2018- Present Chair, Value Analysis Team (VAT), Orthopaedic Surgery

 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

2018-Present Board Member, Unasource Surgery Center

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

 2018- Present Orthopaedic Spine Surgeon

 Unasource Surgery Center

**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)

**SOCIETAL MEMBERSHIPS**

2020- Present Lumbar Spine Research Society

2018- Present Fellow, American Orthopaedic Association (AOA)

2012- Present North American Spine Society

2011-2018 American Orthopaedic Association – Emerging Leaders Program

2007- Present Fellow, American Academy of Orthopaedic Surgeons

2007 Detroit Society of Orthopaedic Surgeons

2007 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 Research Projects**

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

Principal Investigator: CONFIRMATORY CLINICAL STUDY TO SUPPORT THE EFFECTVENESS AND SAFETY OF OXIPLEX FOR THE REDUCTION OF PAIN AND SYMPTOMS FOLLOWING LUMBAR SURGERY

Sponsor: Fziomed, Inc Start Date: May 2018

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

Principal Investigator: CLINICAL STUDY PROTOCOL FOR THE INVESTIGATION OF THE TWO LEVEL SIMPLIFY CERVICAL ARTIFICIAL DISC Sponsor: Simplify Start Date: April 2018

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

Principal Investigator: INTRACEPT: A PROSPECTIVE, RANDOMIZED, MULTI-CENTER STUDY OF INTRAOSSEOUS BASIVERTEBRAL NERVE ABLATION FOR THE TREATMENT OF CHRONIC LOW BACK PAIN Sponsor: Relievant Medsystems, Inc. Start Date: August 2017

Principal Investigator: A PROSPECTIVE CLINICAL EVALUATION OF THE LEVA™ INTERBODY DEVICE Sponsor: SpineWave Start Date: January 2017

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

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

Principal Investigator: A PROSPECIVE CLINICAL STUDY OF THE SPIRA-C TITANIUM OPEN MATRIX INTERBODY DEVICE FOR ACDF Sponsor: Camber Spine Technologies, Inc. Start Date: December 2018

# 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

# 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

# Co-Investigator: DURASEAL™ EXACT SPINE SEALANT SYSTEM POST-APPROVAL STUDY Sponsor: Integra LifeSciences Corporation Start Date: September 2012 – August 2016

# 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

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**

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

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

**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

**Khalil JG**, Nassr A, Maus TP.Physiologic Imaging of the Spine. Radiol Clin North Am. 2012 Jul;50(4):599-611. PMID: 22643387

[**Khalil JG**](http://www.ncbi.nlm.nih.gov/pubmed?term=Khalil%20JG%5BAuthor%5D&cauthor=true&cauthor_uid=23442778), [Nassr A](http://www.ncbi.nlm.nih.gov/pubmed?term=Nassr%20A%5BAuthor%5D&cauthor=true&cauthor_uid=23442778), [Diehn FE](http://www.ncbi.nlm.nih.gov/pubmed?term=Diehn%20FE%5BAuthor%5D&cauthor=true&cauthor_uid=23442778), [Campeau NG](http://www.ncbi.nlm.nih.gov/pubmed?term=Campeau%20NG%5BAuthor%5D&cauthor=true&cauthor_uid=23442778), [Atkinson JL](http://www.ncbi.nlm.nih.gov/pubmed?term=Atkinson%20JL%5BAuthor%5D&cauthor=true&cauthor_uid=23442778), [Sia IG](http://www.ncbi.nlm.nih.gov/pubmed?term=Sia%20IG%5BAuthor%5D&cauthor=true&cauthor_uid=23442778), [Hanna A](http://www.ncbi.nlm.nih.gov/pubmed?term=Hanna%20A%5BAuthor%5D&cauthor=true&cauthor_uid=23442778).

Thoracolumbar Spinal Subdural Abscess: MRI Appearance and Limited Surgical Management Spine (Phila, Pa 1976) 2013 Feb 25. [Epub ahead of print] PMID: 23442778

Zaryanov AV, Park DK, **Khalil JG**, Baker KC, Fischgrund JS. [Cement augmentation in vertebral burst fractures.](http://www.ncbi.nlm.nih.gov/pubmed/24981904) Neurosurg Focus. 2014 Jul;37(1):E5. doi: 10.3171/2014.5.FOCUS1495. PMID: 24981904

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

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

**Khalil JG**, Fischgrund JS, Roberts RV: [Lumbar Stenosis and Degenerative Spondylolisthesis](https://www.aaos.org/OKOJ/vol15/issue5/OKOJ-15-5-2/). Orthopaedic Knowledge Online Journal 2017;15(5):2.  <http://dx.doi.org/10.5435/OKOJ-15-5-2>

[Cutibacterium acnes in Spine Pathology: Pathophysiology, Diagnosis, and Management.](https://www.ncbi.nlm.nih.gov/pubmed/30520801) **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

**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

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.](https://www.ncbi.nlm.nih.gov/pubmed/31977677) Spine (Phila Pa 1976). 2020 Jan 20. Doi: 10: 1097

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).](https://www.ncbi.nlm.nih.gov/pubmed/31595963) Neurosurgery. 2019 Oct 9. pii: nyz423. doi: 10.1093/neuros/nyz423. [Epub ahead of print]

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.

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

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 (in press)

Smuck M, **Khalil JG** et al. A Prospective, Randomized, Multi-center Study of Intraosseous Basivertebral Ablation for the Treatment of Chronic Low Back Pain: 12-Month Results. Regional Anesthesia & Pain Medicine (epub) PMID 34031220

Saleh E S, Vasileff C C, Omari A M, **Khalil JG** The Diagnosis and Management of Pediatric Spine Infections . Cureus (): e. doi:10.7759/cureus

 The association of patient education level with outcomes after elective lumbar surgery: A MSSIC study" Chang, V, **Khalil JG** et al JNS

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

Lim S, Yeh HH, Macki M, Mansour T, Schultz L, Telemi E, Haider S, Nerenz DR, Schwalb JM, Abdulhak M, Park P, Aleem I, Easton R, Khalil J, Perez-Cruet M, Chang V. Preoperative HbA1c > 8% Is Associated With Poor Outcomes in Lumbar Spine Surgery: A Michigan Spine Surgery Improvement Collaborative Study. Neurosurgery. 2021 Oct 13;89(5):819-826. doi: 10.1093/neuros/nyab294. PMID: 34352887

Theodore Koreckij, Scott Kreiner, Jad G. Khalil, M. Smuck, J. Markman, Steven Garfin Prospective, randomized, multicenter study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 24-Month treatment arm results,North American Spine Society Journal (NASSJ), Volume 8, 2021, 100089, ISSN 2666-5484, https://doi.org/10.1016/j.xnsj.2021.100089.

Barrett Boody, Jad Khalil, Betsy Grunch, Michael Musacchio, Amir Vokshoor, et al (2021) Preliminary 12-Month Safety and Efficacy Outcomes for the Treatment of Cervical Radiculopathy and Myelopathy with the Stalif-C Integrated Interbody Fusion Device. Journal of Surgery & Anesthesia Research. SRC/JSAR-133. DOI: [https://doi.org/10.47363/JSAR/2021(2)128](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fcentinelspine.us7.list-manage.com%2ftrack%2fclick%3fu%3da54364a65c09600cb718bbebf%26id%3d997c602fbd%26e%3d43dd60245a&c=E,1,zKQq4mF2u9MVFdubxb7dqJyEeiindkbx1xngrcI4g_YOy6LTLpBX1oNYH4nNjF3-K71qq2wN5RoVqnF1xm8q-v3H-U_Oxg05YQgJbL6a12q55aN-WAtm&typo=1)

**MANUSCRIPTS IN PRESS**

**MANUSCRIPTS SUBMITTED**

**BOOK CHAPTERS**

**Khalil JG**, Fischgrund JS, Roberts RV: Surgical Management of Lumbar Spondylolisthesis. Essentials of Spinal Stabilization Springer ISBN 978-3-319-59712-6

Jones, C, Fischgrund JS, **Khalil JG**: Lumbar Interbody Cages. Benzel’s Spine Surgery Fourth Edition Chapter 81

Webb B, Fischgrund JS, **Khalil JG**: Lumbar Spondylosis, Degenerative Disc Disease, and Radiculopathy. Orthopaedic Basic Science: Foundations of Clinical Practice: Fifth edition. Chapter 30

Petersen-Fitts G, **Khalil JG**, Fischgrund JS: Biomechanics and Implant Materials: The Anterior Column. Steinmetz: Benzel’s Spine Surgery 5th edition. Chapter 15

**Khalil JG**, Roberts R, Fischgrund JS: Lumbar Stenosis and Degenerative Spondylolisthesis. OKU Spine 6 Chapter 19

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. 7th ed. Philadelphia: Elsevier, 2018. P.705-713

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.

**Khalil JG,** Fischgrund J, Roberts R: Lumbar Stenosis and Degenerative Spondylolisthesis. In: Orthopaedic Knowledege Online Journal (OKOJ). Vol 15, Number 5, May 2017 pp 1-9

**Khalil JG,** Jones C, Fischgrund J: Lumbar Interbody Cages. In: Benzel and Steinmetz Chapter 81

Anterior Cervical Discectomy and Fusion, Masters Techniques. Jad G. Khalil, Tony Arveschoug, Jeffrey S. Fischgrund

**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 arthroplasy. Poster presentation at the Michigan Orthopaedic Society Meeting 2009

Khalil J, Banka T, Woods T, Settecerri 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 Change 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

12-Month Results from a Randomized Controlled Trial on Intraosseous Basivertebral Nerve Ablation for Vertebral Endplate Pain. – Podium Presentation – Jad G. Khalil American Academy of Orthopaedic Surgeons 2021, San Diego, CA

**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 12th annual meeting

* Moderator:
	+ My worst complications session
* Lectures
	+ Robotics and navigation in minimally invasive surgery
	+ Vertebrogenic back pain
* Cadaver lab proctoring
	+ MIS TLIF
	+ Percutaneous screw insertion
	+ Kyphoplasty

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, Corvalis, 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

 2021-2022 Chong Weng, M.D.

 Andrew Blankenship, D.O.

**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

 Troy, MI

 5/6/2021 Faculty

 Relievant Intracept Physician Training

 Rochester Hills, MI

 6/30/2021 Faculty (Webinar)

 12 A Prospective, Randomized, Multi-center Study of Intraosseous Basivertebral Ablation for the Treatment of Chronic Low Back Pain: 12-Month Results

 7/9/2021-7/9/2021 Faculty

 Relievant Intracept training

 Fort Worth, TX

 8/9/2021-8/10202 Invited Faculty

 Stryker Mid-Year Sales Meeting

 Alternatives to balloon kyphoplasty

 Tampa, FL

 11/7/2021 Faculty

 Advances in vertebral augmentation

 Advent Health, Daytona FL

**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