

John Philip Andrawis
14 Peacock Lane Rolling Hills Estates, CA 90274
(626) 827-8033 Johnandrawis@gmail.com

Personal History:

HARBOR-UCLA MEDICAL CENTER, DEPARTMENT OF ORTHOPAEDICS Torrance, CA
1000 W. Carson St. 90509 2019-Present
Director of Value Based Healthcare
Director of Resident Research

TORRANCE MEMORIAL PHYSICIAN NETWORK (Cedar-Sinai Affiliate) Torrance, CA
23550 Hawthorn Blvd Suite 120 2018-Present
Chief of Orthopedics
Medical Director of Orthopedics

Education:

THE UNIVERSITY OF CHICAGO, PRITZKER SCHOOL OF MEDICINE Chicago, IL
Doctorate of Medicine 2007- 2012
Dean's Promise Scholar

THE UNIVERSITY OF CHICAGO, BOOTH SCHOOL OF BUSINESS Chicago, IL
Master of Business Administration 2010 - 2012
Steve Weiner Scholarship, Social New Venture Challenge Finalist, Dean's List

THE UNIVERSITY OF CALIFORNIA, LOS ANGELES Los Angeles, CA
Bachelor of Science, Biology 2003- 2007
Summa Cum Laude, Departmental Honors, Dean's List

THE UNIVERSITY OF TEXAS, DELL MEDICAL SCHOOL Austin, TX
Joseph Abell Fellow in Arthroplasty and Value Based Healthcare 2017-2018

HARBOR-UCLA MEDICAL CENTER, DEPARTMENT OF ORTHOPAEDICS Los Angeles, CA
Orthopaedic Residency 2012-2017

Licensure:

MEDICAL BOARD OF CALIFORNIA Active

RADIOGRAPHY AND FLUOROSCOPY X-RAY SUPERVISOR AND OPERATOR Active

Board Certification:

Board Certified by the American Board of Orthopedic Surgery

Professional Experience:

HARBOR-UCLA MEDICAL CENTER, DEPARTMENT OF ORTHOPAEDICS Torrance, CA
Director of Value-Based Healthcare and Director of Resident Research Present

AMERICAN ACADEMY OF ORTHOPEDIC SURGERY Torrance, CA
FELLOW Present

AMERICAN ACADEMY OF HIP AND KNEE SURGEONS Torrance, CA
FELLOW

Professional Activities:

Harbor-UCLA Utilization Review Committee Member Present

Torrance Memorial Lundquist Institute Orthopedic Steering Committee Member Present

CDC Arthritis Expert Advisory Panel	2023-2024
Reviewer for Clinical Orthopedics and Related Research	Present
Reviewer for Arthroplasty Today	Present
Reviewer for Journal of Arthroplasty	Present
Reviewer for BMC Sports Science, Medicine and Rehabilitation	Present
AAHKS Membership Committee (previous chair)	2023-2024
AHRQ Technical Expert Prehabilitation and Rehabilitation for Major Joint Replacement	2020-2021
AAOS Resident Representative	2013-2017
AAOS Technology Committee	2015- 2016
Harbor-UCLA Residency Program Evaluation Committee Resident Member	2014- 2017
UC Health Center for Health Quality & Innovation: Bundled Payments for TJA-Team Member	2014
Harbor-UCLA Residency Program Quality Improvement Committee Member	2013
Co-Editor: TopOrthoApps.com	2013- 2016

Honors and Special Awards:

2011	Steve Weiner Scholarship- scholarship for students accepted into the MD/MBA program
2008	Medical Student Training in Aging Research Grant- research grant and scholarship program to introduce students to aging research
2007	Pritzker Medical School Dean's Promise Scholar- merit based scholarship for newly admitted Pritzker medical students
2007	UCLA Chancellor's Service Award – award for students who throughout their time at UCLA made a positive difference at UCLA and the community through a sustained record of commitment to leadership and service
2005	Rose Hills Science and Engineering Scholarship- grant given to students in Southern California based on merit and contribution to scientific research
2002	Eagle Scout Award, Boy Scouts of America

Research Grants and Fellowship Received:

2018	American Academy of Hip and Knee Society Health Care Policy Fellow
2018	Universtiy of Texas Steven-Abell Value-Based Healthcare Fellow

Publications:

RESEARCH PAPERS

A. RESEARCH PAPERS - PEER REVIEWED

1. **Andrawis JP**, Hwang KS, Green AE, Babakchian S, Morra JH, Cummings JL, Toga AW, Trojanowski J, Shaw L, Jack CR, Weiner MW, Thompson PM, Apostolova LG. 3D mapping of associations between Amyloid-PET and CSF biomarkers and hippocampal morphology. *Alzheimer's and Dementia*, Volume 5, Issue 4, Supplement 1, July 2009, Pages P197-P198
2. Apostolova LG, Hwang KS, **Andrawis JP**, Green AE, Babakchian S, Morra JH, Cummings JL, Toga AW, Jack CR, Weiner MW, Thompson PM. 3D mapping of associations between Amyloid-PET and CSF biomarkers and hippocampal morphology in normal aging and Alzheimer's disease. *NeuroImage*, Volume 47, Supplement 1, July 2009, Page S87
3. Apostolova LG, Hwang KS, **Andrawis JP**, Green AE, Babakchian S, Morra JH, Cummings JL, Toga AW, Trojanowski JQ, Shaw LM, Jack CR, Koeppe RA, Mathis CA, Weiner MW, Thompson PM. 3D PIB and CSF biomarker associations with hippocampal atrophy in ADNI subjects. *Neurobiology of Aging*. Volume 1, Issue 8, Aug 2010, Pages 1284-1303
4. **Andrawis JP**, Hwang KS, Green AE, Kotlerman J, Ramirez A, Elashoff D, Moora JH, Cummings JL, Toga AW, Thompson PM, Apostolova LG. Effects of ApoE4 and maternal history of dementia on hippocampal atrophy. *Neurobiology of Aging*. 2010 Sept. 10.
5. **Andrawis JP**, Chenok KE, Bozic KJ. Health policy implications of outcomes measurement in orthopaedics. *Clin Orthop Relat Res*. 2013 Nov;471(11):3475-81. doi: 10.1007/s11999-013-3014-7.
6. **Andrawis J**, Akhavan S, Chan V, Lehil M, Pong D, Bozic KJ. Higher Preoperative Patient Activation Associated With Better Patient-reported Outcomes After Total Joint Arthroplasty. *Clin Orthop Relat Res*. 2015 Mar 11.
7. **Andrawis, John P.**, David A. Muzykewicz, and Orrin I. Franko. "Mobile device trends in orthopedic surgery: rapid change and future implications." *Orthopedics* 39.1 (2016): e51-e56.
8. Leyton-Mange A, **Andrawis J**, Bozic KJ. A Surgeon Value Scorecard to Improve Value in Total Joint Replacement. *Clinical Orthopedics and Related Research*. 2018 Feb 23.
9. **Andrawis, John P.**, and Kevin J. Bozic. "Health Policy and Financial Issues Related to New Total Knee Arthroplasty Technology." *Techniques in Orthopaedics* 33.1 (2018): 7-10.
10. Shymon, S. J., Keeling, P., Rashidi, S., Kwong, L. M., & **Andrawis, J. P.** (2020). Current illicit drug use profile of orthopaedic trauma patients and its effect on hospital length of stay. *Injury*.
11. Jayakumar, Prakash, Meredith G. Moore, Kenneth A. Furlough, Lauren M. Uhler, **John P. Andrawis**, Karl M. Koenig, Nazan Aksan, Paul J. Rathouz, and Kevin J. Bozic. "Comparison of an Artificial Intelligence-Enabled Patient Decision Aid vs Educational Material on Decision Quality, Shared Decision-Making, Patient Experience, and Functional Outcomes in Adults With Knee Osteoarthritis: A Randomized Clinical Trial." *JAMA network open* 4, no. 2 (2021): e2037107-e2037107.
12. Stambough, J. B., Deen, J. T., Walton, S. L., Kerr, J. M., Zarski, M. J., Yates Jr, A. J., & **Andrawis, J. P.** (2021). Arthroplasty during COVID-19: surveillance of AAHKS members in the first year of the pandemic. *Arthroplasty today*, 7, 209-215.
13. Lyman, K.S., Athinarayanan, S.J., McKenzie, A.L., Pearson, C.L., Adams, R.N., Hallberg, S.J., McCarter, J.P., Volek, J.S., Phinney, S.D. and **Andrawis, J.P.**, 2022. Continuous care intervention with carbohydrate restriction improves physical function of the knees among patients with type 2 diabetes: a non-randomized study. *BMC musculoskeletal disorders*, 23(1), pp.1-12.
14. Tye EY, Taylor AJ, Kay RD, Bryman JA, **Andrawis JP**, Runner RP. An Orthopedic Surgeon's Dental Examination: Reducing Unnecessary Delays in Joint Replacement Surgery for Marginalized Patients in a Safety Net Hospital System. *Arthroplasty today*. 2021 Dec 1;12:76-81.
15. Tye, Erik Y. MD; Bryman, Jason A. MD; Kay, Robert D. MD; Taylor, Adam J. MD; **Andrawis, John P.** MD, MBA; Kwong, Louis M. MD All-cementless Revision Total Knee Arthroplasty Using a Constrained Condylar Design With Porous Tantalum: Technique and Clinical Results, *Techniques in Orthopaedics*: May 23, 2022 - Volume - Issue - 10.1097/BTO.0000000000000592 doi: 10.1097/BTO.0000000000000592
16. Lonza, G.C., Yuan, F., Pham, F.M., Wright, C.T., Arellano-Kruse, A. and **Andrawis, J.**, 2022. Liposomal Bupivacaine Versus Continuous Nerve Block: Liposomal Bupivacaine May be Non-inferior and More Cost Effective. *The Journal of Arthroplasty*.

17. Kagan, Ryland, et al. "Lower Associated Risk of Revision With All-Polyethylene Tibial Components in Total Knee Arthroplasty: An Analysis of the American Joint Replacement Registry." *The Journal of Arthroplasty* (2024).
18. Aynaszyan, S., Lonza, G. C., Sambare, T. D., Son, S. J., Alvarez, I., Tomasek, G., ... & Andrawis, J. P. (2024). Limited Health Literacy Among Patients With Orthopedic Injuries: A Cross-sectional Survey of Patients Who Underwent Orthopedic Trauma Surgery in a County Hospital Setting. *Orthopedics*, 1-7.

B. RESEARCH PAPERS - PEER REVIEWED (IN PRESS): none

C. RESEARCH PAPERS - PEER REVIEWED (SUBMITTED): none

D. RESEARCH PAPERS (NON-PEER REVIEWED): none

E. RESEARCH PAPERS - NON-PEER REVIEWED: none

F. RESEARCH PAPERS - NON-PEER REVIEWED (SUBMITTED): none

CHAPTERS

1. **Andrawis JP**, Grogan TJ. Organizational Design and Behavior. *Business, Policy and Practice Management in Orthopaedics Lecture Series*. AAOS. April 2015
2. Erik Tye, Andrawis JP, Mather III R, Jayakumar P. Value-based Healthcare in Orthopedics. *Condition-Based Payments*. AAOS. Wolters Kluwer Health 2023

LETTERS TO THE EDITOR: none

REVIEWS:

1. **Andrawis, John P.** "CORR Insights®: What Factors Are Associated With Disability After Upper Extremity Injuries? A Systematic Review." *Clinical Orthopaedics and Related Research®* 476.11 (2018): 2216-2218.
2. Karim, M. A., **Andrawis, J.**, Bengoa, F., Bracho, C., Compagnoni, R., Cross, M., ... & Gehrke, T. (2018). Hip and Knee Section, Diagnosis, Algorithm: Proceedings of International Consensus on Orthopedic Infections. *The Journal of arthroplasty*.
3. **Andrawis JP**, Koenig KK, Bozic KJ, Bundled payment care initiative: How this all started, Seminars in Arthroplasty, Volume 27, Issue 3, 2016, Pages 188-192, ISSN 1045-4527..
4. Franko OI, **Andrawis JP**, Mickelson DT. Mobile Apps for orthopedic surgeons: how useful are they? Orthopaedic Research and reviews. May 2015. Volume 2015:7 Pages 39-45
5. Karim, M.A., **Andrawis, J.**, Bengoa, F., Bracho, C., Compagnoni, R., Cross, M., Danoff, J., Della Valle, C.J., Foguet, P., Fraguas, T. and Gehrke, T., 2019. Hip and knee section, diagnosis, algorithm: proceedings of international consensus on orthopedic infections. *The Journal of arthroplasty*, 34(2), pp.S339-S350.

EDITORIALS:

1. Tanmaya Sambare, **John Andrawis**, Ronald Navarro, Karl Koenig: Social Determinants of Health, Payment Reform, and the Role of the Orthopaedic Surgeon AAOS Now. May 2024
2. Tanmaya Sambare, **John Andrawis**, Nicholas Giori, Karl Koenig: Are Procedure-Based Bundled Payments Leading to the Commoditization of Elective Orthopaedic Care? AAOS Now. Jan 2024
3. Leyton-Mange A, **Andrawis J**, Koenig K. APMs and BPCI Advanced: What They Mean for Orthopaedic Surgeons. *AAOS Now*. 2018.
4. **Andrawis, John P.**, Mark McClellan, and Kevin J. Bozic. "Bundled payments are moving upstream." *NEJM Catalyst* 5.1 (2019).

Lectures/Presentations:

Avestian H, Andrawis "Factors associated with prolonged intraoperative time in primary TKA: A systematic review"

Aynaszyan S. BS, Lonza G. MD, Sambare T. MD, Son S. MD, Alvarez I. MD, Tomasek G., Bryman J. MD, Shymon S. MD, Andrawis J. MD, MBA. Health Literacy and Social Determinants of Health in Postoperative Orthopedic Trauma Patients at a Safety Net Hospital. " [poster] American Orthopaedic Association 137th Annual Leadership Meeting and CORD Conference, St. Louis, MO, Jun, 2024.

Aynaszyan S. BS, Lonza G. MD, Sambare T. MD, Son S. MD, Alvarez I. MD, Tomasek G., Bryman J. MD, Shymon S. MD, Andrawis J. MD, MBA. Low Health Literacy and Limited Understanding of Orthopedic Trauma Patients in a County Hospital Setting. " [poster] American Orthopaedic Association 137th Annual Leadership Meeting and COD Conference, St. Louis, MO, Jun, 2024.

Kendal J, Andrawis JP "Lower revision Risk with All-Polyethylene Tibial Components in Total Knee Arthroplasty: An analysis of the American Joint Replacement Registry" AAOS March 8, 2023

Andrawis JP "Lower revision Risk with All-Polyethylene Tibial Components in Total Knee Arthroplasty: An analysis of the American Joint Replacement Registry" ISAR Sept 3, 2022

Lullo B, Kody K, Andrawis JP "Harnessing web technologies to increase accessibility to post-operative care instructions and rehabilitation exercises" AAOS 2021 Annual Meeting- Electronic Skills Pavilion. September 2,2023

Andrawis JP."Healthcare Communication in the Digital Age- Mobile Devices" AAOS 2015 Annual Meeting- Electronic Skills Pavilion.March 26,2015

Andrawis JP, Muzykewicz D, Franko OI. "Mobile Device Trends in Orthopaedic Surgery: Change in only 40 months" 2014 OREF/ORS Pacific Coast Regional Resident Research Symposium, San Francisco, CA October 21,2014

Andrawis JP "Four Apps That Will Change the Way you Practice" AAOS 2014 Annual Meeting- Electronic Skills Pavilion. March 12,2014

Andrawis JP, Bantilan MB "Navigating HIPAA in Medical Health App Implementations" AAOS 2014 Annual Meeting- Electronic Skills Pavilion. Maintaining Privacy March 14,2015

Pham C, Tsoi D, Andrawis JP. "A Retrospective Study: Drug And Alcohol Use In Orthopedic Trauma Patients In LA County." 2016 AAOS Annual Meeting. Submitted

Pham C, Tsuchida G, Bantilan G, Satyadi M, Alvarado D, Shoukralla M. "Outcomes of Total Joint Replacement Patients in LA County." 2016 American Association of Hip and Knee Society Annual Meeting. Submitted

Pham C, Tsuchida G, Satyadi M, Alvarado D, Shoukralla M, Andrawis J. "Los Angeles County Total Hip and Knee Patients are More Engaged in Their Health Behavior. Western Orthopaedic Association 78th Annual Meeting, Big Island, Hawaii, July 31 2014

Andrawis JP, Hwang KS, Green AE, Moora JH, Kotlerman J, Ramirez A, Elashoff D, Cummings JL, Thompson PM, Apostolova LG. Accelerated hippocampal atrophy in subjects with maternal history of Alzheimer's disease, 2nd Annual Conference on Clinical Trials on Alzheimer's Disease, Las Vegas, NE, October 2009.

Andrawis JP, Hwang KS, Green AE, Babakchian S, Morra JH, Cummings JL, Toga AW, Trojanowski J, Shaw L, Jack CR, Weiner MW, Thompson PM, Apostolova LG. 3D mapping of associations between Amyloid-PET and CSF biomarkers and hippocampal morphology. 12th International Conference on Alzheimer's Disease and Related Disorders, Vienna, Austria, July 2009.

Andrawis JP, Hwang KS, Green AE, Ramirez A, Kolterman J, Elashoff D, Morra JH, Thompson PM, Cummings JL, Apostolova LG. Hippocampal atrophy in patients with maternal history of Alzheimer's disease. 2009 Annual Meeting of the American Geriatrics Society, Chicago, IL, April 2009.