

CHAPTER 2 Appendix 1

Arthroscopy; Arthroscopy Techniques; Arthroscopy, Sports Medicine, and Rehabilitation:
An Expanded Family of AANA Journals and Innovation

Appendix 1: Research pearls, editorials and editorial commentary to improve research methods.

RESEARCH PEARLS

Harris, J.D., Brand, J.C., Cote, M.P., Faucett, S.C., Dhawan, A. "Research Pearls: The Significance of Statistics and Perils of Pooling. Part 1: Clinical Versus Statistical Significance." [Published online April 25, 2017]. *Arthroscopy*. 2017 Jun;33(6):1102-12. doi:10.1016/j.arthro.2017.01.053. PMID: 28454999. (1)

Hohmann, E., Wetzler, M.J., D'Agostino Jr., R.B. "Research Pearls: The Significance of Statistics and Perils of Pooling. Part 2: Predictive Modeling." [Published online April 28, 2017]. *Arthroscopy*. 2017 Jul;33(7):1423-32. doi:10.1016/j.arthro.2017.01.054. PMID: 28457678; PMCID: PMC7017839. (2)

Harris, J.D., Brand, J.C., Cote, M.P., Dhawan, A. "Research Pearls: The Significance of Statistics and Perils of Pooling. Part 3: Pearls and Pitfalls of Meta-Analyses and Systematic Reviews." [Published online April 27, 2017]. *Arthroscopy*. 2017 Aug;33(8):1594-1602. doi:10.1016/j.arthro.2017.01.055. PMID: 28457677. (3)

Kartus, J., Cote, M.P. "Invention Versus Gold Standard: A Hands-On Research Pearl on Study Design and Statistical Concerns." [Published online November 7, 2018]. *Arthroscopy*. 2018 Dec;34(12):3266-70. doi:10.1016/j.arthro.2018.08.044. PMID: 30414700. (4)

Hohmann, E., Feldman, M.D., Hunt, T.J., Cote, M.P., Brand, J.C. "Research Pearls: How Do We Establish the Level of Evidence?" *Arthroscopy*. 2018 Dec;34(12):3271-77. doi:10.1016/j.arthro.2018.10.002. PMID: 30509436. (5)

Hohmann, E., Cote, M.P., Brand, J.C. "Research Pearls: Expert Consensus-Based Evidence Using the Delphi Method." *Arthroscopy*. 2018 Dec;34(12):3278-82. doi:10.1016/j.arthro.2018.10.004. PMID: 30509437. (6)

Rossi, M.J., Brand, J.C. "Journal Article Titles Impact Their Citation Rates." [Published online February 26, 2020]. *Arthroscopy*. 2020 Jul;36(7):2025-29. doi:10.1016/j.arthro.2020.02.018. PMID: 32109575. (7)

Brand, J., Hardy, R., Monroe, E. "Research Pearls: Checklists and Flowcharts to Improve Research Quality." [Published online March 10, 2020]. *Arthroscopy*. 2020 Jul;36(7):2030-38. doi:10.1016/j.arthro.2020.02.046. PMID: 32169662. (8)

EDITORIALS

Dhawan, A., Brand, J.C., Provencher, M.T., Rossi, M.J., Lubowitz, J.H. "Research Pearls: The Significance of Statistics and Perils of Pooling." *Arthroscopy*. 2017 Jun;33(6):1099-1101. doi:10.1016/j.arthro.2017.03.013. PMID: 28578761. (9)

Rossi, M.J., Brand, J.C., Lubowitz, J.H. "Tools to Improve Scientific Research." *Arthroscopy*. 2018 Dec;34(12):3113-14. doi:10.1016/j.arthro.2018.10.013. PMID: 30509419. (10)

Cote, M.P., Lubowitz, J.H., Rossi, M.J., Brand, J.C. "Reviews Pooling Heterogeneous, Low-Evidence, High-Bias Data Result in Incorrect Conclusions: But Heterogeneity Is an Opportunity to Explore." *Arthroscopy*. 2018 Dec;34(12):3126-28. doi:10.1016/j.arthro.2018.10.005. PMID: 30509420. (11)

Rossi, M.J., Brand, J.C., Lubowitz, J.H. "Getting Back to Basics: The "Primary" Outcome Measure Determines a Study's Conclusion." *Arthroscopy*. 2017 Sep;33(9):1609-10. doi: 10.1016/j.arthro.2017.06.031. PMID: 28865563. (12)

Hohmann, E., Brand, J.C., Rossi, M.J., Lubowitz, J.H. "Expert Opinion Is Necessary: Delphi Panel Methodology Facilitates a Scientific Approach to Consensus." *Arthroscopy*. 2018 Feb;34(2):349-51. doi:10.1016/j.arthro.2017.11.022. PMID: 29413182. (13)

Rossi, M.J., Lubowitz, J.H., Brand, J.C., Provencher, M.T. "Making the Right Treatment Decision Requires Consideration of Utility and Reconsideration of Value." *Arthroscopy*. 2017 Feb;33(2):239-41. doi:10.1016/j.arthro.2016.11.018. PMID: 28160927. (14)

Lubowitz, J.H., Brand, J.C., Provencher, M.T., Rossi, M.J. "Put Systems in Place to Better Measure Surgical Outcomes." *Arthroscopy*. 2017 Jul;33(7):1271-72. doi:10.1016/j.arthro.2017.05.002. PMID: 28669465. (15)

Dhawan, A., Brand, J.C., Rossi, M.J., Lubowitz, J.H. "Big Data: Progress or a Big Headache?" *Arthroscopy*. 2018 Mar;34(3):649-51. doi:10.1016/j.arthro.2018.01.002. PMID: 29502686. (16)

Brand, J.C., Rossi, M.J., Provencher, M.T., Lubowitz, J.H. "Pearls of Publishing: Advice for Increasing Your Acceptance Odds." *Arthroscopy*. 2016 Jul;32(7):1223-24. doi:10.1016/j.arthro.2016.05.013. PMID: 27373169. (17)

Lubowitz, J.H. "Medical Research Publication: An Insider's Guide." [Published online January 22, 2020]. *Arthroscopy*. 2020 Mar;36(3):627-28. doi:10.1016/j.arthro.2020.01.008. PMID: 31981676. (18)

Paschos, N.K., Brand, J.C., Rossi, M.J., Lubowitz, J.H. "Methods to Improve Arthroscopic and Orthopaedic Biomechanical Investigations: A Few of Our Favorite Things." *Arthroscopy*. 2019 Nov;35(11):2967-69. doi:10.1016/j.arthro.2019.08.028. PMID: 31699242. (19)

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Lubowitz, J.H., Brand, J.C., Rossi, M.J. "Our Measure of Medical Research Should Be Appreciable Benefit to the Patient." *Arthroscopy*. 2019 Jul;35(7):1943-44. doi:10.1016/j.arthro.2019.04.033. PMID: 31272614. (20)

Lubowitz, J.H., Brand, J.C., Rossi, M.J. "Do Some Patients Count More Than Others? Reporting Outcomes of the Same Patient in More Than One Study Requires Disclosure." *Arthroscopy*. 2020 Mar;36(3):617-18. doi:10.1016/j.arthro.2019.12.018. PMID: 32139039. (21)

Brand, J.C., Rossi, M.J., Lubowitz, J.H. "Reliable References, Accountable Authors and Steadfast Reviewers Mitigate Against Retracted Publications and Scientific Misconduct." *Arthroscopy*. 2017 Aug;33(8):1435-36. doi:10.1016/j.arthro.2017.05.006. PMID: 28779791. (22)

Rossi, M.J., Sheean, A.J., Cote, M.P., Brand, J.C., Lubowitz, J.H. "The Patient-Reported Outcomes Measurement Information System (PROMIS): Can We Finally Compare Apples to Oranges?" *Arthroscopy*. 2020 May;36(5):1215-17. doi:10.1016/j.arthro.2020.03.001. PMID: 32370882. (23)

Lubowitz, J.H. "Health Research Titles and Guidelines Improve Impact and Article Acceptance Rates." *Arthroscopy*. 2020 Jul;36(7):1779-80. doi:10.1016/j.arthro.2020.04.036. PMID: 32624110. (24)

Hohmann, E., Rossi, M.J., Brand, J.C., Lubowitz, J.H. "Surgical Translational Research May Be Forward or Reverse." *Arthroscopy*. 2020 Sep;36(9):2345-46. doi:10.1016/j.arthro.2020.07.001. PMID: 32891235. (25)

Lubowitz, J.H., Brand, J.C., Rossi, M.J. "What Happens to a Published Article if a Cited Article Is Corrected?" *Arthroscopy*. 2021 Feb;37(2):425-26. doi:10.1016/j.arthro.2020.12.196. PMID: 33546779. (26)

Cote, M.P., Lubowitz, J.H., Brand, J.C., Rossi, M.J. "Misinterpretation of P Values and Statistical Power Creates a False Sense of Certainty: Statistical Significance, Lack of Significance and the Uncertainty Challenge." *Arthroscopy*. 2021 Apr;37(4):1057-63. doi:10.1016/j.arthro.2021.02.010. PMID: 33812509. (27)

EDITORIAL COMMENTARY

Cote, M.P. "Editorial Commentary: Network Geometry of Nonoperative Management of Patellar Tendinopathy: Can the Shape of the Evidence Inform Practice?" *Arthroscopy*. 2019 Nov;35(11):3132-34. doi:10.1016/j.arthro.2019.09.016. PMID: 31699266. (28)

Cote, M.P. "Editorial Commentary: Defining Improvement After Arthroscopic Meniscal Surgery: How Much of a Difference Does a Difference Make?" *Arthroscopy*. 2020 Jan;36(1):251-52. doi:10.1016/j.arthro.2019.10.032. PMID: 31864585. (29)

Dhawan, A. "Editorial Commentary: Sometimes You Don't Know What You've Got Until It's Gone: The Effect of Missing Data in "Big Data" Studies." *Arthroscopy*. 2020 May;36(5):1240-42. doi:10.1016/j.arthro.2020.02.024. PMID: 32370886. (30)

Kalore, N.V. "Editorial Commentary: Published Sham Trials in Orthopaedic Surgery Are Flawed and Potentially Unethical: A Wolf in Sheep's Clothing." *Arthroscopy*. 2020 Oct;36(10):2763-64. doi:10.1016/j.arthro.2020.07.043. PMID: 33039046. (31)

Feldman, M.D. "Editorial Commentary: Big Databases Are Not All Created Equal: Interpret Their Studies With Caution." *Arthroscopy*. 2021 Jan;37(1):290-91. doi:10.1016/j.arthro.2020.11.009. PMID: 33384089. (32)

Paschos, N.K. "Editorial Commentary: Artificial Intelligence in Sports Medicine Diagnosis Needs to Improve." *Arthroscopy*. 2021 Feb;37(2):782-83. doi:10.1016/j.arthro.2020.11.023. PMID: 33546807. (33)

Jackson, T.J. "Editorial Commentary: Large Heterogeneity of Minimal Clinically Important Difference Utilization in Hip Arthroscopy Studies: Where Do We Go From Here?" *Arthroscopy*. 2021 Mar;37(3):1038-39. doi:10.1016/j.arthro.2020.12.232. PMID: 33673958. (34)

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2. Hohmann, E., Wetzler, M.J., D'Agostino Jr., R.B. "Research Pearls: The Significance of Statistics and Perils of Pooling. Part 2: Predictive Modeling." *Arthroscopy*. 2017;33(7):1423-32.
3. Harris, J.D., Brand, J.C., Cote, M.P., Dhawan, A. "Research Pearls: The Significance of Statistics and Perils of Pooling. Part 3: Pearls and Pitfalls of Meta-Analyses and Systematic Reviews." *Arthroscopy*. 2017;33(8):1594-1602.
4. Kartus, J., Cote, M.P. "Invention Versus Gold Standard: A Hands-On Research Pearl on Study Design and Statistical Concerns." *Arthroscopy*. 2018;34(12):3266-70.
5. Hohmann, E., Feldman, M.D., Hunt, T.J., Cote, M.P., Brand, J.C. "Research Pearls: How Do We Establish the Level of Evidence?" *Arthroscopy*. 2018;34(12):3271-77.

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6. Hohmann, E., Cote, M.P., Brand, J.C. "Research Pearls: Expert Consensus-Based Evidence Using the Delphi Method." *Arthroscopy*. 2018;34(12):3278-82.
7. Rossi, M.J., Brand, J.C. "Journal Article Titles Impact Their Citation Rates." *Arthroscopy*. 2020;36(7):2025-29.
8. Brand, J.C., Hardy, R., Monroe, E. "Research Pearls: Checklists and Flowcharts to Improve Research Quality." *Arthroscopy*. 2020;36(7):2030-38.
9. Dhawan, A., Brand, J.C., Provencher, M.T., Rossi, M.J., Lubowitz, J.H. "Research Pearls: The Significance of Statistics and Perils of Pooling." *Arthroscopy*. 2017;33(6):1099-1101.
10. Rossi, M.J., Brand, J.C., Lubowitz, J.H. "Tools to Improve Scientific Research." *Arthroscopy*. 2018;34(12):3113-14.
11. Cote, M.P., Lubowitz, J.H., Rossi, M.J., Brand, J.C. "Reviews Pooling Heterogeneous, Low-Evidence, High-Bias Data Result in Incorrect Conclusions: But Heterogeneity Is an Opportunity to Explore." *Arthroscopy*. 2018;34(12):3126-28.
12. Rossi, M.J., Brand, J.C., Lubowitz, J.H. "Getting Back to Basics: The "Primary" Outcome Measure Determines a Study's Conclusion." *Arthroscopy*. 2017;33(9):1609-10.
13. Hohmann, E., Brand, J.C., Rossi, M.J., Lubowitz, J.H. "Expert Opinion Is Necessary: Delphi Panel Methodology Facilitates a Scientific Approach to Consensus." *Arthroscopy*. 2018;34(2):349-51.
14. Rossi, M.J., Lubowitz, J.H., Brand, J.C., Provencher, M.T. "Making the Right Treatment Decision Requires Consideration of Utility and Reconsideration of Value." *Arthroscopy*. 2017;33(2):239-41.
15. Lubowitz, J.H., Brand, J.C., Provencher, M.T., Rossi, M.J. "Put Systems in Place to Better Measure Surgical Outcomes." *Arthroscopy*. 2017;33(7):1271-72.
16. Dhawan, A., Brand, J.C., Rossi, M.J., Lubowitz, J.H. "Big Data: Progress or a Big Headache?" *Arthroscopy*. 2018;34(3):649-51.
17. Brand, J.C., Rossi, M.J., Provencher, M.T., Lubowitz, J.H. "Pearls of Publishing: Advice for Increasing Your Acceptance Odds." *Arthroscopy*. 2016;32(7):1223-24.
18. Lubowitz, J.H. "Medical Research Publication: An Insider's Guide." *Arthroscopy*. 2020;36(3):627-28.
19. Paschos, N.K., Brand, J.C., Rossi, M.J., Lubowitz, J.H. "Methods to Improve Arthroscopic and Orthopaedic Biomechanical Investigations: A Few of Our Favorite Things." *Arthroscopy*. 2019;35(11):2967-69.
20. Lubowitz, J.H., Brand, J.C., Rossi, M.J. "Our Measure of Medical Research Should Be Appreciable Benefit to the Patient." *Arthroscopy*. 2019;35(7):1943-44.
21. Lubowitz, J.H., Brand, J.C., Rossi, M.J. "Do Some Patients Count More Than Others? Reporting Outcomes of the Same Patient in More Than One Study Requires Disclosure." *Arthroscopy*. 2020;36(3):617-18.
22. Brand, J.C., Rossi, M.J., Lubowitz, J.H. "Reliable References, Accountable Authors and Steadfast Reviewers Mitigate Against Retracted Publications and Scientific Misconduct." *Arthroscopy*. 2017;33(8):1435-36.
23. Rossi, M.J., Sheehan, A.J., Cote, M.P., Brand, J.C., Lubowitz, J.H. "The Patient-Reported Outcomes Measurement Information System (PROMIS): Can We Finally Compare Apples to Oranges?" *Arthroscopy*. 2020;36(5):1215-17.
24. Lubowitz, J.H. "Health Research Titles and Guidelines Improve Impact and Article Acceptance Rates." *Arthroscopy*. 2020;36(7):1779-80.
25. Hohmann, E., Rossi, M.J., Brand, J.C., Lubowitz, J.H. "Surgical Translational Research May Be Forward or Reverse." *Arthroscopy*. 2020;36(9):2345-46.
26. Lubowitz, J.H., Brand, J.C., Rossi, M.J. "What Happens to a Published Article if a Cited Article Is Corrected?" *Arthroscopy*. 2021;37(2):425-26.
27. Cote, M.P., Lubowitz, J.H., Brand, J.C., Rossi, M.J. "Misinterpretation of P Values and Statistical Power Creates a False Sense of Certainty: Statistical Significance, Lack of Significance and the Uncertainty Challenge." *Arthroscopy*. 2021;37(4):1057-63.

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28. Cote, M.P. “*Editorial Commentary: Network Geometry of Nonoperative Management of Patellar Tendinopathy: Can the Shape of the Evidence Inform Practice?*” *Arthroscopy*. 2019;35(11):3132-34.
29. Cote, M.P. “*Editorial Commentary: Defining Improvement After Arthroscopic Meniscal Surgery: How Much of a Difference Does a Difference Make?*” *Arthroscopy*. 2020;36(1):251-52.
30. Dhawan, A. “*Editorial Commentary: Sometimes You Don’t Know What You’ve Got Until It’s Gone: The Effect of Missing Data in “Big Data” Studies.*” *Arthroscopy*. 2020;36(5):1240-42.
31. Kalore, N.V. “*Editorial Commentary: Published Sham Trials in Orthopaedic Surgery Are Flawed and Potentially Unethical: A Wolf in Sheep’s Clothing.*” *Arthroscopy*. 2020;36(10):2763-64.
32. Feldman, M.D. “*Editorial Commentary: Big Databases Are Not All Created Equal: Interpret Their Studies With Caution.*” *Arthroscopy*. 2021;37(1):290-91.
33. Paschos, N.K. “*Editorial Commentary: Artificial Intelligence in Sports Medicine Diagnosis Needs to Improve.*” *Arthroscopy*. 2021;37(2):782-83.
34. Jackson, T.J. “*Editorial Commentary: Large Heterogeneity of Minimal Clinically Important Difference Utilization in Hip Arthroscopy Studies: Where Do We Go From Here?*” *Arthroscopy*. 2021;37(3):1038-39.

CHAPTER 2 Appendix 2

Arthroscopy; Arthroscopy Techniques; Arthroscopy, Sports Medicine, and Rehabilitation:
An Expanded Family of AANA Journals and Innovation

Appendix 2: *Arthroscopy* Research Excellence Award Winners Since 2009.

2021	PUBLICATION TITLE
Clinical Research Excellence Winner	Kwong, C.A., Woodmass, J.M., Gusnowski, E.M., Bois, A.J., Leblanc, J., More, K.D., Lo, I.K.Y. "Platelet-Rich Plasma in Patients With Partial-Thickness Rotator Cuff Tears or Tendinopathy Leads to Significantly Improved Short-Term Pain Relief and Function Compared With Corticosteroid Injection: A Double-Blind Randomized Controlled Trial." [Published online October 28, 2020]. <i>Arthroscopy</i> . 2021 Feb;37(2):510-517. doi:10.1016/j.arthro.2020.10.037. PMID: 33127554. (1)
Basic Science Research Excellence Winner	Ng, K.C.G., Daou, H., Bankes, M.J.K., Rodriguez, Y., Baena, F., Jeffers, J.R.T. "Cam Osteochondroplasty for Femoroacetabular Impingement Increases Microinstability in Deep Flexion: A Cadaveric Study." [Published online September 11, 2020]. <i>Arthroscopy</i> . 2021 Jan;37(1):159-170. doi:10.1016/j.arthro.2020.08.037. PMID: 32927001. (2)
Resident/Fellow Research Excellence Winner	Kunze, K.N., Polce, E.M., Nwachukwu, B.U., Chahla, J., Nho, S.J. "Development and Internal Validation of Supervised Machine Learning Algorithms for Predicting Clinically Significant Functional Improvement in a Mixed Population of Primary Hip Arthroscopy." [Published online January 16, 2021]. <i>Arthroscopy</i> . 2021 May;37(5):1488-1497. doi:10.1016/j.arthro.2021.01.005. PMID: 33460708. (3)
Systematic Review/Meta-Analysis Research Excellence Winner	Davey, M.S., Hurley, E.T., Anil, U., Moses, A., Thompson, K., Alaia, M., Strauss, E.J., Campbell, K.A. "Pain Management Strategies After Anterior Cruciate Ligament Reconstruction: A Systematic Review With Network Meta-Analysis." [Published online January 28, 2021]. <i>Arthroscopy</i> . 2021 Apr;37(4):1290-1300.e6. doi:10.1016/j.arthro.2021.01.023. PMID: 33515736. (4)
Most Downloaded Publication in <i>Arthroscopy</i> From 2016 Winner	Meheux, C.J., McCulloch, P.C., Lintner, D.M., Varner, K.E., Harris, J.D. "Efficacy of Intra-Articular Platelet-Rich Plasma Injections in Knee Osteoarthritis: A Systematic Review." [Published online October 1, 2015]. <i>Arthroscopy</i> . 2016 Mar;32(3):495-505. doi:10.1016/j.arthro.2015.08.005. PMID: 26432430. (5)

Most Cited Publication in <i>Arthroscopy</i> From 2016 Winner	Meheux, C.J., McCulloch, P.C., Lintner, D.M., Varner, K.E., Harris, J.D. "Efficacy of Intra-Articular Platelet-Rich Plasma Injections in Knee Osteoarthritis: A Systematic Review." [Published online October 1, 2015]. <i>Arthroscopy</i> . 2016 Mar;32(3):495-505. doi:10.1016/j.arthro.2015.08.005. PMID: 26432430. (5)
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2020

Clinical Research Excellence Winner	Getgood, A., Hewison, C., Bryant, D., Litchfield, R., Heard, M., Buchko, G., Hiemstra, L.A., Willits, K.R., Firth, A., MacDonald, P., the Stability Study Group. "No Difference in Functional Outcomes When Lateral Extra-Articular Tenodesis Is Added to Anterior Cruciate Ligament Reconstruction in Young Active Patients: The Stability Study." [Published online March 6, 2020]. <i>Arthroscopy</i> . 2020 Jun;36(6):1690-1701. doi:10.1016/j.arthro.2020.02.015. PMID: 32147485. (6)
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Basic Science Research Excellence Winner	Mao, D.W., Upadhyay, U., Thalanki, S., Lee, D.Y.H. "All-Inside Lateral Meniscal Repair via Anterolateral Portal Increases Risk of Vascular Injury: A Cadaveric Study." [Published online November 29, 2019]. <i>Arthroscopy</i> . 2020 Jan;36(1):225-32. doi:10.1016/j.arthro.2019.07.023. PMID: 31787348. (7)
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Resident/Fellow Research Excellence Winner	Higgins, J., Chang, J., Hoit, G., Chahal, J., Dwyer, T., Theodoropoulos, J. "Conventional Follow-Up Versus Mobile Application Home Monitoring for Postoperative Anterior Cruciate Ligament Reconstruction Patients: A Randomized Controlled Trial." [Published online April 5, 2020]. <i>Arthroscopy</i> . 2020 Jul;36(7):1906-16. doi:10.1016/j.arthro.2020.02.045. PMID: 32268161. (8)
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Systematic Review/Meta-Analysis Research Excellence Winner	Dwyer, T., Whelan, D., Shah, P.S., Ajrawat, P., Hoit, G., Chahal, J. "Operative Versus Nonoperative Treatment of Femoroacetabular Impingement Syndrome: A Meta-Analysis of Short-Term Outcomes." <i>Arthroscopy</i> . 2020 Jan;36(1):263-73. doi:10.1016/j.arthro.2019.07.025. Erratum in: <i>Arthroscopy</i> . 2021 Feb;37(2):784. PMID: 31864588. (9)
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Most Downloaded Publication in <i>Arthroscopy</i> From 2015-20 Winner	Yoo, J.C., Rhee, Y.G., Shin, S.J., Park, Y.B., McGarry, M.H., Jun, B.J., Lee, T.Q. "Subscapularis Tendon Tear Classification Based on Three-Dimensional Anatomic Footprint: A Cadaveric and Prospective Clinical Observational Study." [Published online October 18, 2014]. <i>Arthroscopy</i> . 2015 Jan;31(1):19-28. doi:10.1016/j.arthro.2014.08.015. PMID: 25442662. (10)
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Most Cited Publication in *Arthroscopy* From 2015-20 Winner
Frank, J.M., Harris, J.D., Erickson, B.J., Slikker III, W., Bush-Joseph, C.A., Salata, M.J., Nho, S.J. "Prevalence of Femoroacetabular Impingement Imaging Findings in Asymptomatic Volunteers: A Systematic Review." [Published online January 28, 2015]. *Arthroscopy*. 2015 Jun;31(6):1199-1204. doi:10.1016/j.arthro.2014.11.042. PMID: 25636988. (11)

2019

Clinical Research Excellence Winner
Funchal, L.F.Z., Astur, D.C., Ortiz, R., Cohen, M. "The Presence of the Arthroscopic "Floating Meniscus" Sign as an Indicator for Surgical Intervention in Patients With Combined Anterior Cruciate Ligament and Grade II Medial Collateral Ligament Injury." [Published online February 4, 2019]. *Arthroscopy*. 2019 Mar;35(3):930-37. doi:10.1016/j.arthro.2018.10.114. PMID: 30733029. (12)

Basic Science Research Excellence Winner
Garfjeld Roberts, P., Alvand, A., Gallieri, M., Hargrove, C., Rees, J. "Objectively Assessing Intraoperative Arthroscopic Skills Performance and the Transfer of Simulation Training in Knee Arthroscopy: A Randomized Controlled Trial." [Published online March 14, 2019]. *Arthroscopy*. 2019 Apr;35(4):1197-1209.e1. doi:10.1016/j.arthro.2018.11.035. PMID: 30878329. (13)

Resident/Fellow Research Excellence Winner
Utsunomiya, H., Briggs, K.K., Dornan, G.J., Bolia, I.K., Locks, R., Philippon, M.J. "Predicting Severe Cartilage Damage in the Hip: A Model Using Patient-Specific Data From 2,396 Hip Arthroscopies." [Published online June 14, 2019]. *Arthroscopy*. 2019 Jul;35(7):2051-60.e13. doi:10.1016/j.arthro.2019.02.033. PMID: 31208918. (14)

Systematic Review/Meta-Analysis Research Excellence Winner
Gao, B., Dwivedi, S., DeFroda, S., Bokshan, S., Ready, L.V., Cole, B.J., Owens, B.D. "The Therapeutic Benefits of Saline Solution Injection for Lateral Epicondylitis: A Meta-Analysis of Randomized Controlled Trials Comparing Saline Injections With Nonsurgical Injection Therapies." [Published online May 6, 2019]. *Arthroscopy*. 2019 Jun;35(6):1847-59.e12. doi:10.1016/j.arthro.2019.02.051. PMID: 31072722. (15)

Most Downloaded
Publication in
Arthroscopy From
2014-19 Winner

Di Giacomo, G., Itoi, E., Burkhart, S.S. "Evolving Concept of Bipolar Bone Loss and the Hill-Sachs Lesion: From "Engaging/Nonengaging" Lesion to "On-Track/Off-Track" Lesion." *Arthroscopy*. 2014 Jan;30(1):90-98. doi:10.1016/j.arthro.2013.10.004. PMID: 24384275. (16)

Most Cited
Publication in
Arthroscopy From
2014-19 Winner

Di Giacomo, G., Itoi, E., Burkhart, S.S. "Evolving Concept of Bipolar Bone Loss and the Hill-Sachs Lesion: From "Engaging/Nonengaging" Lesion to "On-Track/Off-Track" Lesion." *Arthroscopy*. 2014 Jan;30(1):90-98. doi:10.1016/j.arthro.2013.10.004. PMID: 24384275. (16)

2018

Clinical
Research
Excellence
Winner

Jenssen, K.K., Lundgreen, K., Madsen, J.E., Kvakestad, R., Pripp, A.H., Dimmen, S. "No Functional Difference Between Three and Six Weeks of Immobilization After Arthroscopic Rotator Cuff Repair: A Prospective Randomized Controlled Noninferiority Trial." [Published online September 6, 2018]. *Arthroscopy*. 2018 Oct;34(10):2765-74. doi:10.1016/j.arthro.2018.05.036. PMID: 30195953. (17)

Basic Science
Research
Excellence
Winner

Lebaschi, A.H., Deng, X.H., Camp, C.L., Zong, J., Cong, G.T., Carballo, C.B., Album, Z., Rodeo, S.A. "Biomechanical, Histologic and Molecular Evaluation of Tendon Healing in a New Murine Model of Rotator Cuff Repair." [Published online February 16, 2018]. *Arthroscopy*. 2018 Apr;34(4):1173-83. doi:10.1016/j.arthro.2017.10.045. PMID: 29459078; PMCID: PMC6340398. (18)

Resident/Fellow
Research
Excellence
Winner

Cvetanovich, G.L., Saltzman, B.M., Ukwuani, G., Frank, R.M., Verma, N.N., Bush-Joseph, C.A., Nho, S.J. "Anatomy of the Pudendal Nerve and Other Neural Structures Around the Proximal Hamstring Origin in Males." [Published online March 30, 2018]. *Arthroscopy*. 2018 Jul;34(7):2105-10. doi:10.1016/j.arthro.2018.02.029. PMID: 29606539. (19)

CHAPTER 2 Appendix 2

Most Downloaded Publication in *Arthroscopy* From 2013-18 Winner

Beitzel, K., Cote, M.P., Apostolakos, J., Solovyova, O., Judson, C.H., Ziegler, C.G., Edgar, C.M., Imhoff, A.B., Arciero, R.A., Mazzocca, A.D. "Current Concepts in the Treatment of Acromioclavicular Joint Dislocations." *Arthroscopy*. 2013 Feb;29(2):387-97. doi:10.1016/j.arthro.2012.11.023. PMID: 23369483. (20)

Most Cited Publication in *Arthroscopy* From 2013-18 Winner

Harris, J.D., McCormick, F.M., Abrams, G.D., Gupta, A.K., Ellis, T.J., Bach Jr., B.R., Bush-Joseph, C.A., Nho, S.J. "Complications and Reoperations During and After Hip Arthroscopy: A Systematic Review of 92 Studies and More Than 6,000 Patients." *Arthroscopy*. 2013 Mar;29(3):589-95. doi:10.1016/j.arthro.2012.11.003. PMID: 23544691. (21)

2017

Clinical Research Excellence Winner

Kurosaka, K., Tsukada, S., Nakayama, H., Iseki, T., Kanto, R., Sugama, R., Yoshiya, S. "Periarticular Injection Versus Femoral Nerve Block for Pain Relief After Anterior Cruciate Ligament Reconstruction: A Randomized Controlled Trial." [Published online December 6, 2017]. *Arthroscopy*. 2018 Jan;34(1):182-88. doi:10.1016/j.arthro.2017.08.307. PMID: 29203380. (22)

Basic Science Research Excellence Winner

Nakagawa, H., Morihara, T., Fujiwara, H., Kabuto, Y., Sukenari, T., Kida, Y., Furukawa, R., Arai, Y., Matsuda, K.I., Kawata, M., Tanaka, M., Kubo, T. "Effect of Footprint Preparation on Tendon-to-Bone Healing: A Histologic and Biomechanical Study in a Rat Rotator Cuff Repair Model." [Published online June 9, 2017]. *Arthroscopy*. 2017 Aug;33(8):1482-92. doi:10.1016/j.arthro.2017.03.031. PMID: 28606577. (23)

Resident/Fellow Research Excellence Winner

Burn, M.B., Holtorf, H.L., Smith, K.M., Bernstein, D.T., Delgado, D.A., Prudhomme, N., Deavers, M.T., McCulloch, P.C., Harris, J.D. "Do Skin Lacerations Imply Tissue Transfer From Surgeon to Patient During Arthroscopic Knot Tying?" [Published online October 21, 2017]. *Arthroscopy*. 2017 Dec;33(12):2248-54. doi:10.1016/j.arthro.2017.07.033. PMID: 29066268. (24)

Most Downloaded
Publication in
Arthroscopy From
2012-17 Winner

Tijssen, M., van Cingel, R., Willemsen, L., de Visser, E. "Diagnostics of Femoroacetabular Impingement and Labral Pathology of the Hip: A Systematic Review of the Accuracy and Validity of Physical Tests." [Published online February 24, 2012]. *Arthroscopy*. 2012 Jun;28(6):860-71. doi:10.1016/j.arthro.2011.12.004. PMID: 22365268. (25)

Most Cited
Publication in
Arthroscopy From
2012-17 Winner

Boswell, S.G., Cole, B.J., Sundman, E.A., Karas, V., Fortier, L.A. "Platelet-Rich Plasma: A Milieu of Bioactive Factors." [Published online January 28, 2012]. *Arthroscopy*. 2012 Mar;28(3):429-39. doi:10.1016/j.arthro.2011.10.018. PMID: 22284405. (26)

2016

Clinical
Research
Excellence
Winner

Green, J.M., Getelman, M.H., Snyder, S.J., Burns, J.P. "All-Arthroscopic Suprapectoral Versus Open Subpectoral Tenodesis of the Long Head of the Biceps Brachii Without the Use of Interference Screws." [Published online September 19, 2016]. *Arthroscopy*. 2017 Jan;33(1):19-25. doi:10.1016/j.arthro.2016.07.007. PMID: 27659242. (27)

Basic Science
Research
Excellence
Winner

Wuerz, T.H., Song, S.H., Grzybowski, J.S., Martin, H.D., Mather III, R.C., Salata, M.J., Espinoza Orías, A.A., Nho, S.J. "Capsulotomy Size Affects Hip Joint Kinematic Stability." [Published online May 17, 2016]. *Arthroscopy*. 2016 Aug;32(8):1571-80. doi:10.1016/j.arthro.2016.01.049. PMID: 27212048. (28)

Most Downloaded
Publication in
Arthroscopy From
2011-16 Winner

Kon, E., Mandelbaum, B., Buda, R., Filardo, G., Delcogliano, M., Timoncini, A., Fornasari, P.M., Giannini, S., Marcacci, M. "Platelet-Rich Plasma Intra-Articular Injection Versus Hyaluronic Acid Viscosupplementation as Treatments for Cartilage Pathology: From Early Degeneration to Osteoarthritis." [Published online August 10, 2011]. *Arthroscopy*. 2011 Nov;27(11):1490-1501. doi:10.1016/j.arthro.2011.05.011. PMID: 21831567. (29)

CHAPTER 2 Appendix 2

Most Cited
Publication in
Arthroscopy From
2011-16 Winner

Kon, E., Mandelbaum, B., Buda, R., Filardo, G., Delcogliano, M., Timoncini, A., Fornasari, P.M., Giannini, S., Marcacci, M. "Platelet-Rich Plasma Intra-Articular Injection Versus Hyaluronic Acid Viscosupplementation as Treatments for Cartilage Pathology: From Early Degeneration to Osteoarthritis." [Published online August 10, 2011]. *Arthroscopy*. 2011 Nov;27(11):1490-1501. doi:10.1016/j.arthro.2011.05.011. PMID: 21831567. (29)

2015

Clement, N.D., Watts, A.C., Phillips, C., McBirnie, J.M. "Short-Term Outcome After Arthroscopic Bursectomy Debridement of Rotator Cuff Calcific Tendonopathy With and Without Subacromial Decompression: A Prospective Randomized Controlled Trial." [Published online July 15, 2015]. *Arthroscopy*. 2015 Sep;31(9):1680-87. doi:10.1016/j.arthro.2015.05.015. PMID: 26188787. (30)

2014

Level I
Evidence Prize

Lee, J.J., Kim, D.Y., Hwang, J.T., Lee, S.S., Hwang, S.M., Kim, G.H., Jo, Y.G. "Effect of Ultrasonographically Guided Axillary Nerve Block Combined With Suprascapular Nerve Block in Arthroscopic Rotator Cuff Repair: A Randomized Controlled Trial." [Published online May 29, 2014]. *Arthroscopy*. 2014 Aug;30(8):906-14. doi:10.1016/j.arthro.2014.03.014. PMID: 24880194. (31)

2013

Level I
Evidence Prize

Noh, J.H., Roh, Y.H., Yang, B.G., Yi, S.R., Lee, S.Y. "Femoral Tunnel Position on Conventional Magnetic Resonance Imaging After Anterior Cruciate Ligament Reconstruction in Young Men: Transtibial Technique Versus Anteromedial Portal Technique." [Published online March 26, 2013]. *Arthroscopy*. 2013 May;29(5):882-90. doi:10.1016/j.arthro.2013.01.025. PMID: 23538044. (32)

2012

Level I
Evidence Prize

Sánchez, M., Fiz, N., Azofra, J., Usabiaga, J., Aduriz Recalde, E., Garcia Gutierrez, A., Albillos, J., Gárate, R., Aguirre, J.J., Padilla, S., Orive, G., Anitua, E. "A Randomized Clinical Trial Evaluating Plasma Rich in Growth Factors (PRGF-Endoret) Versus Hyaluronic Acid in the Short-Term Treatment of Symptomatic Knee Osteoarthritis." *Arthroscopy*. 2012 Aug;28(8):1070-80. doi:10.1016/j.arthro.2012.05.011. PMID: 22840987. (33)

2011

Level I
Evidence Prize

Naal, F.D., Impellizzeri, F.M., Miozzari, H.H., Mannion, A.F., Leunig, M. "The German Hip Outcome Score: Validation in Patients Undergoing Surgical Treatment for Femoroacetabular Impingement." [Published online November 11, 2010]. *Arthroscopy*. 2011 Mar;27(3):339-45. doi:10.1016/j.arthro.2010.07.021. PMID: 21071169. (34)

2010

Best Video

Domb, B.G., Nasser, R.M., Botser, I.B. "Partial-Thickness Tears of the Gluteus Medius: Rationale and Technique for Trans-Tendinous Endoscopic Repair." [Published online October 15, 2010]. *Arthroscopy*. 2010 Dec;26(12):1697-1705. doi:10.1016/j.arthro.2010.06.002. PMID: 20951538. (35)

2009

Level I
Evidence Prize

Grasso, A., Milano, G., Salvatore, M., Falcone, G., Deriu, L., Fabbriani, C. "Single-Row Versus Double-Row Arthroscopic Rotator Cuff Repair: A Prospective Randomized Clinical Study." [Published online November 1, 2008]. *Arthroscopy*. 2009 Jan;25(1):4-12. doi:10.1016/j.arthro.2008.09.018. PMID: 19111212. (36)

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CHAPTER 2 Appendix 2

3. Kunze, K.N., Polce, E.M., Nwachukwu, B.U., Chahla, J., Nho, S.J. “Development and Internal Validation of Supervised Machine Learning Algorithms for Predicting Clinically Significant Functional Improvement in a Mixed Population of Primary Hip Arthroscopy.” *Arthroscopy*. 2021;37(5):1488-1497.
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