

Davide D. Bardana

MD, FRCS(C), Dip. Sport Med

Personal Information:

Business Address: Dept. of Surgery, Nickle 3, Kingston General Hospital, Kingston, ON, K7L 2V7
Business Telephone: (613) 549 6666 x 6333
Business Fax: (613) 548 1336

Education & Certifications:

2001 - 2002 **Orthopaedic Trauma Fellowship (AOA Accredited)**
The Alfred Hospital
Department of Orthopaedics
Monash University, Melbourne, Australia

1999 - 2000 **Orthopaedic Sports Medicine Fellowship (AGME Accredited)**
University of Utah Medical Centre
Department of Orthopaedics
University of Utah, Salt Lake City, Utah

1994 - 1999 **Orthopaedic Surgery Residency**
Kingston General Hospital & Hotel Dieu Hospital
Department of Surgery, Division of Orthopaedics
Queen's University, Kingston, Ontario

1991 - 1994 **Medical Doctorate**
Faculty of Medicine
University of Calgary, Calgary, Alberta

Awards:

2019 Queen's University: H.F. Pross Educational Technology Award
2012 Queen's University: Michael A. Simurda Excellence in Orthopedic Education Award
2012 Nomination: 2012 PAIRO Excellence in Clinical Teaching Award
2005 Queen's University School of Medicine Award: "Best MSK Teacher"

Licenses:

2002 - Present Ontario Medical License (College of Physicians & Surgeons of Ontario)
2006 - 2007 Alberta Medical License (College of Physicians & Surgeons of Alberta)
2001 - 2002 Victoria Australian Medical License
2000 - 2003 Utah State Medical License

Memberships:

2017 - Present Arthroscopy Association of Canada (AAC)
2002 - Present Canadian Orthopaedic Association
2002 - Present Ontario Orthopaedic Association
2002 - Present American Academy of Orthopaedic Surgeons
2003 - Present Canadian Academy of Sport and Exercise Medicine
2003 - Present JOINTS Canada (Joint Orthopedic Initiative for National Trials on the Shoulder)
1999 - Present The Royal College of Physicians and Surgeons of Canada
1994 - Present Ontario Medical Association
1991 - Present Canadian Medical Association

Clinical Interests:

1. Arthroscopy / Sports Medicine:

- i. Knee / Ankle arthroscopy and ligament, tendon, meniscus & articular cartilage reconstructive surgery
- ii. Shoulder arthroscopy and ligament/labral, tendon, & articular cartilage reconstructive surgery
- iii. Sports medicine and athletic injuries

2. Orthopedic Trauma:

- i. General and complex orthopaedic trauma

Research and Continuing Medical Education (Past 5 years):

Research Interests:

1. *Osteochondral and ligament tissue engineered constructs*
2. *Computer Assisted Surgery*
3. *ACL reconstruction*
4. *Shoulder Stabilisation Surgery*
5. *Surgical Skills Education*

Publications:

1) Research Grants & Awards (Past 5 Years):

▪ Pending

- 2020-2021 Queen's Department of Surgery: Exploring the Use of Novel Virtual Reality Technology in Orthopedic Surgical Education (Principal Applicant: McGuire A / Co-applicants: Bardana DD)
- 2020-2021 Canadian Shoulder & Elbow Society Research Grant: Exploring the Use of Novel Virtual Reality Technology in Orthopedic Surgical Education (Principal Applicant: Bardana DD, / Co-applicants: Bicknell, RT, McGuire A)

▪ Awarded

- 2020 - 2021 PSI Research Trainee Award: Comparison of the microstructural integrity and clinical recovery of patellar versus hamstring tendon autografts in anterior cruciate ligament reconstruction: A novel quantitative approach using Diffusion Tensor Imaging (Principal Applicant: Champagne A/ Co-applicants: Bardana DD, Tayade C)
- 2020-2021 Queen's Department of Surgery: Comparison of the microstructural integrity and clinical recovery of patellar versus hamstring tendon autografts in anterior cruciate ligament reconstruction: A novel quantitative approach using Diffusion Tensor Imaging (Principal Applicant: Bardana DD / Co-applicants: Champagne A, McGuire A)
- 2020-2021 SEAMO Endowed Scholarship and Education Fund: Informing ongoing CBME program improvement in the department of surgery with a coordinated program evaluation approach (Principal Applicant: Payne D/ Co-applicants: Bardana DD, Jalink D)

- 2020-2021 Canadian Orthopaedics Research Legacy (CORL) and the Canadian Academy of Sport and Exercise Medicine (CASEM): Shoulder instability Trial comparing Arthroscopic stabilization Benefits compared with Latarjet procedure Evaluation (STABLE) (Principal Applicant: Khan M, / Co-applicants: Bhandari M, Bedi A / Collaborator: [Bardana DD](#))
- 2020-2021 Queen’s Department of Surgery: The COVID Pandemic and its Effects on Canadian Orthopaedic Surgery Resident Training (Principal Applicant: Park R/ Co-applicants: [Bardana DD](#))
- 2020 - 2021 Queen’s University Centre for Neuroscience Studies Internal MRI Pilot time Competition: Comparison of the microstructural integrity and clinical recovery of patellar versus hamstring tendon autografts in anterior cruciate ligament reconstruction: A novel quantitative approach using Diffusion Tensor Imaging (Principal Applicant: [Bardana DD](#), / Co-applicants: Champagne A, McGuire A)
- 2020 - 2025 National Institutes of Health: Anterior Cruciate Ligament Reconstruction Using Bone Patellar Tendon Bone or Quad Tendon Autograft with or Without Lateral Extra-Articular Tenodesis in Individuals Who Are at High Risk of Graft Failure (STABILITY II), (Applicant: Irrgang J, Musahl V, Bryant D, Getgood A / Co-applicants: [Bardana DD](#), STABILITY II Study Group)
- 2019 - 2020 ConMed Educational Grant: Orthopaedic Resident “Boot Camp” and “Anatomy Boot Camp” (Principal Applicant: [Bardana DD](#), / Co-applicants: Borschneck D, Da Cunha R, Harrison M)
- 2019 - 2020 DePuy Synthes Educational Grant: Education in Orthopaedic Surgery (Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Da Cunha R, Harrison M, Mann S, Pichora D, Rudan J, Wood G, Wood K, Yach J, Yen D)
- 2019 - 2020 Zimmer Educational Grant: Excellence in Orthopaedic Surgery at Queen’s (Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Da Cunha R, Harrison M, Mann S, Pichora D, Rudan J, Wood G, Wood K, Yach J, Yen D)
- 2019 - 2024 CIHR Operating Grant: Controlling Glucose Metabolism to Develop Superior Tissue Engineered Cartilage (Applicant: Waldman S / Co-applicants: [Bardana DD](#), Kandel R, Pang S)
- 2018 - 2020 A Phase 3 Prospective, Randomized, Partially Blinded Multi-Center Study to Measure the Safety and Efficacy of NOVOCART® 3D, Compared to Microfracture in the Treatment of Articular Cartilage Defects (Principal Applicant: [Bardana DD](#).)
- 2018 - 2019 Zimmer Educational Grant: Excellence in Orthopaedic Surgery at Queen’s (Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, DaCunha R, Harrison M, Mann S, Pichora D, Rudan J, Wood G, Yach J, Yen D)
- 2018 - 2019 ConMed Educational Grant: Orthopaedic Resident “Boot Camp” (Principal Applicant: [Bardana DD](#), / Co-applicants: Borschneck D, Bicknell, RT, Campbell A, DaCunha R, Harrison M, Mann S, Pichora D, Rudan J, Wood G, Yach J, Yen D)
- 2018 - 2019 Queen’s Post Graduate Medical Education Grant: Fundamentals of Arthroscopic Surgery, through the use of an Arthroscopic Virtual Reality system (Principal Applicant: [Bardana DD](#).)
- 2017 - 2018 Zimmer Educational Grant: Excellence in Orthopaedic Surgery at Queen’s (Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Davidson L, Harrison M, Mann S, Pichora D, Rudan J, Wood G, Yach J, Yen D)
- 2017 - 2018 ConMed Educational Grant: Orthopaedic Resident “Boot Camp” (Principal Applicant: [Bardana DD](#), / Co-applicants: Borschneck D, Bicknell, RT, Campbell A, Davidson L, Harrison M, Mann S, Pichora D, Rudan J, Wood G, Yach J, Yen D)
- 2016 - 2017 Zimmer Educational Grant: Excellence in Orthopaedic Surgery at Queen’s (Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Davidson L, Harrison M, Mann S, Pichora D, Rudan J, Wood G, Yach J, Yen D)

- 2015 - 2016 Zimmer Educational Grant: Excellence in Orthopaedic Surgery at Queen's
(Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Davidson L, Harrison M, Lau R, Pichora D, Rudan J, Wood G, Yach J, Yen D)
- 2016 Dept of Surgery: High Energy Pelvic Fracture Management Trends in Ontario: An ICES Study (Applicants: [Bardana DD](#), / Co-Applicants: Daniel Banaszek, Yach J, Mann S Shelby Stanojev, Susan Brogly, Chris Evans, Steve Hall)
- 2015 - 2017 PSI: The development large-sized, human engineered cartilage implants suitable for implantation. (Applicants: [Bardana DD](#) / Co-Applicants: Waldman S, Pang S)
- 2014 - 2015 Zimmer Educational Grant: Excellence in Orthopaedic Surgery at Queen's
(Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Davidson L, Harrison M, Lau R, Pichora D, Rudan J, Wood G, Yach J, Yen D)
- 2014 - 2015 DePuy, Johnson & Johnson: Orthopaedic Research Operating Grant-HMRC (Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Davidson L, Harrison M, Lau R, Pichora D, Rudan J, Wood G, Yach J, Yen D)
- 2014 - 2015 DePuy, Johnson & Johnson: Queen's University Excellence in Orthopaedic Education (Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Davidson L, Harrison M, Lau R, Pichora D, Rudan J, Wood G, Yach J, Yen D)
- 2014 - 2015 DePuy, Johnson & Johnson: Orthopaedic Research Operating Grant-HMRC (Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Davidson L, Harrison M, Lau R, Pichora D, Rudan J, Wood G, Yach J, Yen D)
- 2014 - 2015 DePuy, Johnson & Johnson: Queen's University Excellence in Orthopaedic Education (Principal Investigators: Borschneck D, [Bardana DD](#), Bicknell, RT, Campbell A, Davidson L, Harrison M, Lau R, Pichora D, Rudan J, Wood G, Yach J, Yen D)

2) Peer Reviewed Journal Articles (Past 5 Years):

- 2020 “No Difference in Functional Outcomes When Lateral Extra-Articular Tenodesis Is Added to Anterior Cruciate Ligament Reconstruction in Young Active Patients: The Stability Study.” Getgood A; Hewison C; Bryant D; Litchfield R; Heard M; Buchko G; Hiemstra LA; Willits KR; Firth A; MacDonald P; [STABILITY Study Group](#). *Arthroscopy: The Journal of Arthroscopic and Related Surgery (2020 Best Clinical Research Award)*, 2020 June;36(6):1690-1701, doi:10.1016/j.arthro.2020.02.015.
Collaborator
- 2020 “Lateral Extra-Articular Tenodesis Reduces Failure of Hamstring Tendon Autograft ACL Reconstruction –Two Year Outcomes from the STABILITY Study Randomized Clinical Trial”, Getgood A., Bryant D., Litchfield R., Heard M., McCormack R., Rezansoff A., Peterson D., [Bardana D.](#), MacDonald P., Verdonk P., Spalding T., STABILITY Study Group. *American Journal of Sports Medicine (O'Donoghue Sports Injury Research Award)*, 2020 Jan;48(2):285-297. doi:10.1177/0363546519896333
Coauthor
- 2018 “High-energy trauma patients with pelvic fractures: management trends in Ontario, Canada” Mann S., Banaszek D., Lajkosz K., Brogly S., Stanojev S., Evans C., [Bardana D.D.](#), Yach J., Hall S., *Injury*. 2018 Oct;49(10):1830-1840, Epub 2018 Jul 6. doi: 10.1016/j.injury.2018.06.044. **Coauthor**
- 2018 “Factors Associated With Revision Surgery after Internal Fixation of Hip Fractures”, Sprague S, Schemitsch EH, Swiontkowski M, Della Rocca GJ, Jeray KJ, Liew S, Slobogean GP, Bzovsky S, Heels-Ansdell D, Zhou Q, Bhandari M; [FAITH Investigators](#).

J Orthop Trauma. 2018 May;32(5):223-230. doi: 10.1097/BOT.0000000000001162

Collaborator

- 2018 “Factors associated with health-related quality of life, hip function, and health utility after operative management of femoral neck fractures”, Sprague S, Bhandari M, Heetveld MJ, Liew S, Scott T, Bzovsky S, Heels-Ansdell D, Zhou Q, Swiontkowski M, Schemitsch EH; FAITH Investigators. *Bone Joint J*. 2018 Mar 1;100-B(3):361-369. doi: 10.1302/0301-620X.100B3.BJJ-2017-0853.R1. **Collaborator**
- 2017 “Virtual Reality versus Bench top Simulation in the Acquisition of Arthroscopic Skill: A Randomized Control Trial”, Banaszek D., You D., Chang J., Pickell M., Hesse D., Hopman W., Borschneck D., Bardana D.D., *Journal of Bone and Joint Surgery (Am)*, 2017, Apr 5; 99(7):e34. doi: 10.2106/JBJS.16.00324. **Senior Author**
- 2017 “Fracture fixation in the operative management of hip fractures (FAITH): an international, multicentre, randomised controlled trial”, Fixation using Alternative Implants for the Treatment of Hip fractures (FAITH) Investigators. *Lancet*. 2017 Mar 3. doi: 10.1016/S0140-6736(17)30066-1. Epub 2017 Mar 3. **Collaborator**
- 2016 “Using an accelerometer and the step-up-and-over test to evaluate the knee function of patients with anterior cruciate ligament reconstruction”, Bailey C.A., Bardana D.D., Costigan P.A., *Clinical Biomechanics*, 2016, Nov; 39(2016):32-7. doi: 10.1016/j.clinbiomech.2016.09.004. Epub 2016 Sept 13, **Coauthor**
- 2016 “Anatomical evaluation of the proximity of neurovascular structures during arthroscopic-assisted acromioclavicular joint reconstruction: A cadaveric pilot study”, Banaszek D., Pickell M., Ducsharm M., Hesse D., Eastel R., Bardana D.D., *Arthroscopy: The Journal of Arthroscopic and Related Surgery*. pii: S0749-8063(16)30364-4. doi: 10.1016/j.arthro.2016.05.041. Epub 2016 Aug 12. **Senior Author**
- 2016 “The Radiographic Union Score for Hip (RUSH) Identifies Radiographic Nonunion of Femoral Neck Fractures”, Frank T, Osterhoff G, Sprague S, Garibaldi A, Bhandari M, Slobogean GP; FAITH Investigators. *Clinical Orthopaedics and Related Research*. 2016 Jun; 474(6):1396-404. doi: 10.1007/s11999-015-4680-4. **Collaborator**
- 2016 “Consistency of strength curves for determining maximal effort production during isokinetic knee testing of anterior cruciate ligament deficient patients”, Almosnino S., Dvir Z., Bardana D.D. *Physiotherapy Theory and Practice*. 2016; 32(3):202-8. doi: 10.3109/09593985.2015.1137092. Epub 2016 Apr 4. **Senior Author**
- 2016 “Augmented Reality Guidance of Untracked Arthroscopic Tools”, Slonetsky M., Bardana D., Vaughan T., Birk K., Stewart J., *Medical Image Computing and Computer Assisted Interventions (MICCAI)*, 2015, Munich, Germany. **Coauthor**
- 2016 “Global Rating Scales and Motion Analysis Are Valid Proficiency Metrics in Virtual and Benchtop Knee Arthroscopy Simulators”, Chang J., Banaszek D., Gambrel J., Hesse D., Bardana D.D., *Clinical Orthopaedics and Related Research*. 2016, Apr; 474(4):956-964. doi: 10.1007/s11999-015-4510-8. Epub 2015 Aug 18. **Senior Author**

- 2016 "Image-Guided Techniques Improve Accuracy in Mosaic Arthroplasty" Sebastyan S., Kunz M., Stewart J, Bardana D.D., *International Journal for Computer assisted Radiology and Surgery*. 2016, Feb; 11(2):261-269. doi: 10.1007/s11548-015-1249-3. Epub 2015 Jul 7. **Senior Author**
- 2016 "Structured Simulation Improves Learning of the Fundamental Use of Surgical Energy™ Curriculum: a Multicenter Randomized-Controlled Trial", Madani A., Watanabe Y., Townsend N., Pucher P.H., Thomas N Robinson T.N., Egerszegi P.E., Olasky J., Bachman S.L., Park C.W., Amin N., Tang D., Haase E. Bardana D., Jones D.B., Fried G.M., Feldman L.S. *Surgical Endoscopy*. 2016 Feb; 30(2):684-91. doi: 10.1007/s11548-015-1249-3. Epub 2015 Jun 20. **Coauthor**
- 3) Movies, Videos, Sound Slide Programs, Exhibits, Audio Tapes, Websites (Past 5 Years):**
- 2020 Queen's PGME: Orthopedic Surgery CaRMS Program Video: <https://youtu.be/xJUnIk8fuBk>
- 2019 Healthwise Inc. Knowledgebase (<http://www.healthlinkbc.ca/kb/>):
1. Hip Strain
 2. Arthrogram
- 2018 Healthwise Inc. Knowledgebase (<http://www.healthlinkbc.ca/kb/>):
3. Joint Aspiration: Care Instructions
 4. Soft Tissue Injections for Pain: Care Instructions
- 2017 Healthwise Inc. Knowledgebase (<http://www.healthlinkbc.ca/kb/>):
5. Joint Injections: Care Instructions
 6. Learning About Trigger Point Injections
- 2016 Healthwise Inc. Knowledgebase (<http://www.healthlinkbc.ca/kb/>):
7. Labral Tear of Hip
 8. Radial Head Fracture
 9. Activity after Injury
 10. Osteitis Pubis
 11. Quadriceps Bruise
 12. Hamstring Syndrome
 13. Therapeutic Ball: Back Exercises
 14. Arthritis: Should I have a hip replacement?
 15. Shoulder Blade: Exercises
- 2015 Healthwise Inc. Knowledgebase (<http://www.healthlinkbc.ca/kb/>):
16. Spine Fractures
 17. Scapula Fractures
 18. Ankle Fusion

Presentations / Abstracts:

1) International Presentations (Past 5 Years):

- 2020 Poster: "Implementing an Anatomy Curriculum in a Canadian Orthopaedic Residency Program: An Objective Measure of a Subjective Problem", McGuire A., Chan J., Bardana D.D., Accepted to 2020 *International Conference on Residency Education*

(ICRE). Vancouver, Canada, September 24-26, 2020. **Senior Author**

- 2019 “Anterior Cruciate Ligament Reconstruction With Or Without A Lateral Extra-Articular Tenodesis – Assessment of Failure At Two Years From The ISAKOS Sponsored STABILITY Study”, A. Getgood, D. Bryant, R. Litchfield, R. McCormack, M. Heard, P. MacDonald, T. Spalding¹, P. Verdonk, D. Peterson, D. Bardana, A. Rezanoff, STABILITY Study Group. *2nd International Combined Meeting of Orthopaedic Research Societies*, Montréal, Québec, Canada, June 19-22, 2019. **Coauthor**
- 2019 “Predictors of Poor Outcome following ACL reconstruction With or Without Lateral Extra-articular Tenodesis: The STABILITY Experience”, D. Bryant, A. Getgood, R. Litchfield, R. McCormack, M. Heard, P. MacDonald, T. Spalding, P. Verdonk, D. Peterson, D. Bardana, A. Rezanoff, STABILITY Study Group. *2nd International Combined Meeting of Orthopaedic Research Societies*, Montréal, Québec, Canada, June 19-22, 2019. **Coauthor**
- 2019 Poster: “Anterior Cruciate Ligament Reconstruction With Or Without A Lateral Extra-Articular Tenodesis –Functional Outcomes From The ISAKOS Sponsored STABILITY Study”, R. McCormack, A. Getgood, C. Hewison, A Firth, D. Bryant, R. Litchfield, M. Heard, P. MacDonald, T. Spalding, P. Verdonk, D. Peterson, D. Bardana, A. Rezanoff, STABILITY Study Group. *2nd International Combined Meeting of Orthopaedic Research Societies*, Montréal, Québec, Canada, June 19-22, 2019, **Coauthor**
- 2019 “Anterior Cruciate Ligament Reconstruction With Or Without A Lateral Extra-Articular Tenodesis – Assessment of Failure At Two Years From The ISAKOS Sponsored STABILITY Study”, A. Getgood, D. Bryant, R. Litchfield, R. McCormack, M. Heard, P. MacDonald, T. Spalding¹, P. Verdonk, D. Peterson, D. Bardana, A. Rezanoff, STABILITY Study Group. *12th Biennial ISAKOS Congress*, Cancun, Mexico, May 12-19, 2019. **Coauthor**
- 2019 “Anterior Cruciate Ligament Reconstruction With Or Without A Lateral Extra-Articular Tenodesis – Analysis of Complications From The ISAKOS Sponsored STABILITY Study”, M. Heard, D. Bryant, A. Getgood, C. Hewison, R. Litchfield, McCormack, R., P. MacDonald, T. Spalding¹, P. Verdonk, D. Peterson, D. Bardana, A. Rezanoff, STABILITY Study Group. *12th Biennial ISAKOS Congress*. Cancun, Mexico, May 12-19, 2019. **Coauthor**
- 2019 “Anterior Cruciate Ligament Reconstruction With Or Without A Lateral Extra-Articular Tenodesis –Functional Outcomes From The ISAKOS Sponsored STABILITY Study”, R. McCormack, A. Getgood, C. Hewison, A Firth, D. Bryant, R. Litchfield, M. Heard, P. MacDonald, T. Spalding, P. Verdonk, D. Peterson, D. Bardana, A. Rezanoff, STABILITY Study Group. *12th Biennial ISAKOS Congress*. Cancun, Mexico, May 12-19, 2019. **Coauthor**
- 2019 “Predictors of Poor Outcome following ACL reconstruction With or Without Lateral Extra-articular Tenodesis: The STABILITY Experience”, D. Bryant, A. Getgood, R. Litchfield, R. McCormack, M. Heard, P. MacDonald, T. Spalding, P. Verdonk, D. Peterson, D. Bardana, A. Rezanoff, STABILITY Study Group. *12th Biennial ISAKOS*

Congress. Cancun, Mexico, May 12-19, 2019. **Coauthor**

- 2019 “Return to Sport Following Anterior Cruciate Ligament Reconstruction With Or Without A Lateral Extra-Articular Tenodesis – Results From The ISAKOS Sponsored STABILITY Study”, A. Rezansoff, A. Firth, A Getgood, D. Bryant, R. Litchfield, R. McCormack, M. Heard, P. MacDonald, T. Spalding, P. Verdonk, D. Peterson, D. Bardana, STABILITY Study Group. 12th *Biennial ISAKOS Congress*. Cancun, Mexico, May 12-19, 2019. **Coauthor**
- 2019 “Lateral Extra-Articular Tenodesis Reduces Failure 1 of Hamstring Tendon Autograft ACL Reconstruction –Two Year Outcomes from the STABILITY Study Randomized Clinical Trial”, A. Getgood, D. Bryant, R. Litchfield, R. McCormack, M. Heard, P. MacDonald, T. Spalding, P. Verdonk, D. Peterson, D. Bardana, A. Rezansoff, STABILITY Study Group. *American Orthopaedic Society for Sports Medicine (O’Donoghue Sports Injury Research Award)*, Park City, UT, USA, Jan 30-Feb 3, 2019. **Coauthor**
- 2017 “High-energy trauma patients with pelvic fractures: management trends in Ontario, Canada High Energy Pelvic Fracture Management Trends in Ontario: An ICES Study” Daniel Banaszek D., Stanojev S., Brogly S., Lajkosz K., Hall S., Evans C., Mann S., YachJ., Bardana D.D., *Orthopaedic Trauma Association (OTA) Annual Meeting*, Oct 11-14, 2017, Vancouver, Canada. **Coauthor**
- 2017 “ACL reconstruction with and without lateral extra-articular tenodesis”, Getgood A., Bardana D., et al, *2017 American Orthopaedic Society for Sports Medicine*, July 20-23, 2017, Toronto, Canada. **Collaborator**
- 2017 “Anterior Cruciate Ligament Reconstruction With or Without Lateral Extra-articular Tenodesis: Drop Vertical Jump Landing Mechanics from the ISAKOS Sponsored Stability Study”, Daniluk M., O’Neill L., Birmingham T., Bryant D., Alan Getgood A., STABILITY STUDY GROUP, *11th Biennial ISAKOS Congress(Albert Trillat Award)*, Shanghai, June 2017, **Collaborator**
- 2017 “Anterior Cruciate Ligament Reconstruction With or Without Lateral Extra-articular Tenodesis: Assessment of Failure in the ISAKOS Sponsored Stability Study”, Getgood A., Bryant D., Litchfield R., Heard M., McCormack R., MacDonald P., Rezansoff A., Bardana D., Petersen D., Verdonk P., Spalding T., STABILITY STUDY GROUP, *11th Biennial ISAKOS Congress(Albert Trillat Award)*, Shanghai, June 2017, **Coauthor & Collaborator**
- 2017 “Anterior Cruciate Ligament Reconstruction With or Without Lateral Extra-articular Tenodesis: Functional Outcomes from the ISAKOS Sponsored Stability Study”, Getgood A., Hewson C., Bryant D., Litchfield R., Heard M., Buchko G., Hiemstra L., Willits K., Firth A., STABILITY STUDY GROUP, *11th Biennial ISAKOS Congress(Albert Trillat Award)*, Shanghai, June 2017, **Collaborator**
- 2016 “Virtual Reality versus Bench top Simulation in the Acquisition of Arthroscopic Skill: A Randomized Control Trial”, You D., Banaszek D., Pickell M., Borschneck D., Bardana

D.D., *Arthroscopy Association of North America Conference*, April 14, 2016; Boston, MA, USA. **Senior Author**

2015 “Virtual Reality versus Bench top Simulation in the Acquisition of Arthroscopic Skill: A Randomized Control Trial”, You D., Banaszek D., Pickell M., Borschneck D., Bardana D.D., *International Conference on Surgical Education & Training (iCOSET)*, November 30, 2015, Copenhagen, Demark. **Senior Author**

2015 “Augmented Reality Guidance of Untracked Arthroscopic Tools”, Slonetsky M., Bardana D., Vaughan T., Birk K., Stewart J., *Medical Image Computing and Computer Assisted Interventions (MICCAI 2015), 18th International Conference*, October 5-9, 2015, Munich, Germany. **Coauthor**

2015 “Virtual Reality versus Bench top Simulation in the Acquisition of Arthroscopic Skill: A Randomized Control Trial”, Banaszek D., You D., Pickell M., Borschneck D., Bardana D.D., *International Conference on Residency Education*, October 22-24, 2015, Vancouver, Canada. **Senior Author**

2015 Poster: “Validation of a Virtual Reality and Benchtop Arthroscopic Simulator”, Banaszek D., Chang J., Bardana D.D., *American Academy of Orthopedic Surgeons Annual Meeting*, March 24-28, 2015, Las Vegas, NV. **Senior Author**

2) *National Presentations (Past 5 Years):*

2020 “The Implementation of "Competency By Design" to Residency Training: Dispelling Myths and Understanding the Realities”, Kraemer W., Chan R., Gofton W., Nousiainen M., Bardana D., Richardson G. *Virtual COA/CORS/CORA Annual Meeting*, June 19-20, 2020, Halifax, NS. **Coauthor**

2017 “Evaluation of paired phenol-embalmed limbs as a model for knee ligament injury and assessment of this model for use in post-graduate orthopaedic medical education”, Rotenberg C.G.K., Venne G., Bardana D.D., Ellis R., Pang S.C., *Canadian Conference on Medical Education*. April 29-May 2, 2017, Winnipeg, Manitoba. **Coauthor**

2016 Poster: “The Design, Engineering, and Experimental Testing of a Novel Medial Portal ACL Guide: An Anatomic Study”, Banaszek D, Pickell M, Hesse D, Kunz M, Bardana D.D., *COA/CORA Annual Meeting* , June 16-19, 2016, Quebec City, QC, Canada. **Senior Author**

2015 “Virtual Reality versus Bench top Simulation in the Acquisition of Arthroscopic Skill: A Randomized Control Trial”, Banaszek D., You D., Pickell M., Borschneck D., Bardana D.D., *COA/CORA Annual Meeting (Dr. Alexandra Kirkley Award)*, June 17-20, 2015, Vancouver, BC, Canada. **Senior Author**

3) *Local / Regional Presentations (Past 5 Years):*

2020 “Anatomy Without Cadavers - COVID-19 as a Warning of What’s to Come for Surgical Education?”, McGuire A., Wagner N., Bardana D.D., *39th Annual William Ersil Resident*

Research Day in Surgery, November 16, 2020, Queen's University, Kingston, ON.
Senior Author

- 2019 “Implementing an Anatomy Curriculum in a Canadian Orthopaedic Residency Program: An Objective Measure of a Subjective Problem”, McGuire A., Chan J., Bardana D.D., *38th Annual William Ersil Resident Research Day in Surgery*, November 18, 2019, Queen's University, Kingston, ON. **Senior Author**
- 2017 “High-Energy Pelvic Fracture Management Trends in Ontario”, Mann S., Banaszek D., Stanojev S., Brogly S., Lajkosz K., Hall S., Evans C., Yach J., Bardana D.D., *Charles Sorbie Department of Surgery Research Day*, March 30th, 2017, Kingston, ON, Canada. **Senior Author**
- 2016 “Evaluation of paired phenol-embalmed limbs as a model for knee ligament injury and assessment of this model for use in post-graduate orthopaedic medical education”, Banaszek D., Rotenberg C.G.K., Venne G., Ellis R., Pang S.C., Bardana D.D., *35th Annual William Ersil Resident Research Day in Surgery*, November 21, 2016, Queen's University, Kingston, ON, Canada. **Senior Author**
- 2015 “Virtual Reality versus Bench top Simulation in the Acquisition of Arthroscopic Skill: A Randomized Control Trial”, Banaszek D., You D., Pickell M., Borschneck D., Bardana D.D., *34th Annual William Ersil Resident Research Day in Surgery*, November 16, 2015, Queen's University, Kingston, ON, Canada. **Senior Author**
- 2015 “Objective Functional Outcome after Anatomic and Reverse Shoulder Arthroplasty Assessed Using the KINARM”, Anam E, Al-Qahtani S., Sender R., Pichora D.R., Bardana D.D., Scott S., Bicknell R.T., *34th Annual William Ersil Resident Research Day in Surgery*, November 16, 2015, Queen's University, Kingston, ON, Canada. **Coauthor**
- 2015 “The Role of the Rotator Cuff in Intrinsic Shoulder Stability: A Biomechanical Study”, Banaszek D., Esau G., Barr C., Bryant T., Bardana D.D., Bicknell R.T., *34th Annual William Ersil Resident Research Day in Surgery*, November 16, 2015, Queen's University, Kingston, ON, Canada. **Coauthor**
- 2015 Poster: “Experimental Validation of a 3D Computer Assisted Mosaicplasty Model”, Marsh A, Vaughn T, Khong E, Stewart J, Bardana D.D., *34th Annual William Ersil Resident Research Day in Surgery*, November 16, 2015, Queen's University, Kingston, ON, Canada. **Senior Author**
- 2015 Poster: “The Design, Engineering, and Experimental Testing of a Novel Medial Portal ACL Guide: An Anatomic Study”, Banaszek D, Pickell M, Hesse D, Kunz M, Bardana D.D., *34th Annual William Ersil Resident Research Day in Surgery*, **(Best Poster Award)**, November 16, 2015, Queen's University, Kingston, ON, Canada. **Senior Author**
- 2015 Poster: “Autogenous Osteochondral Grafting using Patient Specific Instrumentation for Idiopathic Avascular Necrosis of the Capitate – A Novel Technique”, Taylor M.A., Kunz M., Lalonde S., Bardana D.D., Pichora D.R., *34th Annual William Ersil Resident Research Day in Surgery*, November 16, 2015, Queen's University, Kingston, ON,

Canada. **Coauthor**

- 2015 “Virtual Reality versus Bench top Simulation in the Acquisition of Arthroscopic Skill: A Randomized Control Trial”, Banaszek D., You D., Pickell M., Borschneck D., Bardana D.D., *18th Annual Scientific Meeting for Health Science Research Trainees Faculty of Health Sciences*, June 10, 2015, Queen’s University, Kingston, ON, Canada.
Senior Author

4) Invited Presentations and Visiting Professorships (Past 5 Years):

- 2020 Research in Progress Day, Ottawa, ON. Visiting Professor
2019 Clearwater Arthroscopy Meeting 2019, Clearwater, FL: Cadaver Lab Instructor
2019 Ontario Orthopaedic Association AGM, Toronto, ON. Invited Lecture: “Graft Choice in ACL surgery: BTB is best!”
2019 2nd International Combined Meeting of Orthopaedic Research Societies, Montreal QC: Tips and Tricks Sport Medicine, Session Moderator
2019 CBME Program Leaders' Workshop XV: "What CBME has done to me!" Highlights of implementation.
2018 Southeastern Ontario Health Science Centre Orthopaedic Care Conference, Invited Lecture: “Simulation For Surgical Training”
2018 McMaster Knee Arthroscopy Course, Mississauga, ON (Linvatec sponsor), Visiting Professor: “Spotlight on Patellofemoral Instability: MPFL Repair”
2018 Metamorphosis, Kingston, ON. Invited Lecture: “Solving the Shoulder Puzzle”
2016 Clearwater Arthroscopy Meeting 2016, Clearwater, FL: Cadaver Lab Instructor
2016 Ontario Orthopaedic Association AGM, Toronto, ON. Invited Lecture: “Simulation for Training”
2016 The Little Orthopaedic Group Meeting, Kingston, ON. Invited Lecture: “Computer Assisted Mosaicplasty”
2016 Metamorphosis, Kingston, ON. Invited Lecture: “Urgent Knee Problems: what you (K)need to know”
2015 Clearwater Innovative Arthroscopy Meeting, Clearwater, FL: Cadaver Lab Instructor
2015 Southeastern Ontario Health Science Centre Orthopaedic Care Conference, Invited Lecture: “Advances in ACL Surgery: New Anatomic Approaches”
2015 Linvatec ACL Lab, Mississauga, ON. Teaching Faculty:” Advances in ACL Surgery: New Anatomic Approaches”

Current Research:

- 2021 “Quantify the bias involved in current Anterolateral Ligament Dissection methods and propose an improved, standardized dissection protocol.” Borschneck G, Bardana DD
2020 “Comparison of the microstructural integrity and clinical recovery of patellar versus hamstring tendon autografts in anterior cruciate ligament reconstruction: A novel quantitative approach using Diffusion Tensor Imaging” Champagne A, McGuire A, Bardana DD
2020 “The COVID Pandemic and its Effects on Canadian Orthopaedic Surgery Resident Training”, Park R, Bardana DD

- 2020 "Exploring the Use of Novel Virtual Reality Technology in Orthopedic Surgical Education", McGuire A, Bardana DD
- 2020 "Anterior Cruciate Ligament Reconstruction Using Bone Patellar Tendon Bone or Quad Tendon Autograft with or Without Lateral Extra-Articular Tenodesis in Individuals Who Are at High Risk of Graft Failure (STABILITY II)", Irrgang J, *et al.*
- 2020 "Shoulder instability Trial comparing Arthroscopic stabilization Benefits compared with Latarjet procedure Evaluation (STABLE)" Khan, *et al.*
- 2019 "Delayed Achilles tendon repairs following no-operative treatment", Da Cunha R, Bardana D