

ROBERT ZARAY TASHJIAN

EDUCATION

9/90 - 6/94 Amherst College, Amherst, MA; BA in Economics
9/95 - 6/99 Tufts University School of Medicine, Boston, MA; Doctor of Medicine

HOSPITAL TRAINING

7/99 - 6/00 General Surgery Internship, Brown University School of Medicine
Rhode Island Hospital, Providence, RI; Chairman: Kirby Bland, MD
7/00 - 7/04 Orthopedic Surgery Residency, Brown University School of Medicine
Rhode Island Hospital, Providence, RI; Chairman: Michael G. Ehrlich, MD
7/04 – 7/05 Orthopedic Trauma Fellowship, Brown University School of Medicine
Rhode Island Hospital, Providence, RI; Director: Peter G. Trafton, MD
7/05 – 7/06 Orthopedic Shoulder and Elbow Fellowship, Washington University School of Medicine
Barnes-Jewish Hospital, St. Louis, MO; Director: Leesa Galatz, MD
1/11 International Visiting Fellow, Centre Orthopedique Santy, Lyon, France
Two week visiting fellowship with Dr. Gilles Walch

ACADEMIC APPOINTMENTS

2003-2004 Assistant Clinical Instructor, Department of Orthopedic Surgery, Brown Medical School
2004-2005 Clinical Instructor, Department of Orthopedic Surgery, Brown Medical School
2005-2006 Clinical Instructor, Department of Orthopedic Surgery, Washington University School
of Medicine
2006 - 2012 Assistant Professor, Department of Orthopaedics, University of Utah School of Medicine
2012 - 2017 Associate Professor, Department of Orthopaedics, University of Utah School of Medicine
2009 - 2017 Chief of Orthopaedics, Veterans Administration Hospital, Salt Lake City, Utah
2017 – 2018 Research Director, University of Utah Department of Orthopaedics, Salt Lake City, UT
2017 - present Professor, Department of Orthopaedics, University of Utah School of Medicine
2017 – present Ezekiel R. Dumke, Jr. Presidential Endowed Professor, Department of Orthopaedics,
University of Utah School of Medicine
2018 – present Vice Chairman for Research, University of Utah Department of Orthopaedics, Salt Lake
City, UT

COMMITTEES (Local)

2006 – 2010 Orthopaedic Department Representative, Utah Sports Research Network
University of Utah School of Medicine
2006- 2007 University of Utah Department of Orthopaedics Resident Selection Committee
2009-2010
2008-2012 Clinical Systems Advisory Committee, University of Utah Hospital and Clinics, Salt
Lake City, UT
2008-present Tenured Faculty Review Committee, University of Utah Hospital and Clinics, Salt Lake
City, UT
2010-2012 Physician Advisory Council, University of Utah Hospital and Clinics, Salt Lake City, UT
2011-present Executive Committee, Department of Orthopedics, University of Utah School of
Medicine
2011-present Promotion Committee for Research Track Scientists, Department of Orthopedics,
University of Utah School of Medicine
2014-present Orthopaedics/SDBC Review Committee, Department of Orthopaedics, University of
Utah School of Medicine – Co-chairman

COMMITTEES (National)

2008 – 2011 AAOS Guidelines Committee on Treatment of Rotator Cuff Problems, AAOS, Chicago,
IL
2012-2016 Shoulder and Elbow Program Subcommittee, American Academy of Orthopaedic
Surgeons (AAOS), Chicago, IL

2015-2016	2016 American Shoulder and Elbow Surgeons (ASES) Open Meeting/Specialty Day Program Committee
2015-present	Taskforce on Shoulder Periprosthetic Infection – American Shoulder and Elbow Surgeons (ASES)
2016-2017	2017 American Shoulder and Elbow Surgeons (ASES) Open Meeting/Specialty Day Program Committee
2018 – 2021	American Shoulder and Elbow Surgeons (ASES) Exchange Fellowship Committee - Member

HONORS/AWARDS/ACCOMPLISHMENTS

1994	Magna Cum Laude from Amherst College
1999	Alpha Omega Alpha Medical Society in junior year Medical Class of 1928 Award from Tufts University School of Medicine for excellence in anatomy
2003	Smith and Nephew 18 th Annual Resident Research Competition – Finalist
2004	Haffenreffer House Staff Excellence Award, Brown Medical School
2004	Smith and Nephew 19 th Annual Resident Research Competition - Finalist
2005	Richard O'Connor Research Award, Arthroscopy Association of North America- Finalist
2007	U.S. Bone and Joint Decade Young Investigators Initiative (YII) Program participant
2012	Top 28 U.S American Shoulder Surgeons – Orthopaedics This Week, Vol 8, Issue 21, June 26,2012
2013	Top 28 North American Shoulder Surgeons – Orthopaedics This Week, Sept. 20,2013
2013	American Shoulder and Elbow Surgeons (ASES) European Traveling Fellowship
2015	Nominated for Charles S. Neer Award for outstanding clinical research by the American Shoulder and Elbow Surgeons (ASES)
2016	European Society for Surgery of the Shoulder and the Elbow (ESSSE) Research Grant

SOCIETY MEMBERSHIP

2009 – present	American Academy of Orthopedic Surgeons (AAOS) – Active Fellow
2007 – present	Association of Clinical Elbow and Shoulder Surgeons (ACCESS) – member
2008 – present	Arthroscopy Association of North America (AANA) – Associate member
2010 – present	American Shoulder and Elbow Surgeons (ASES) – Active member
2013 – present	Societe Europeenne pour la Chirurgie de l'Epaule et du Coude (SECEC)/ European Society for Surgery of the Shoulder and the Elbow (ESSSE) – Corresponding Member
2013 – present	Interurban Orthopaedic Society – member
2015 – present	American Bone and Joint Surgeons (ABJS) – member
2015 – present	American Orthopaedic Association (AOA) - member

JOURNAL REVIEWER

2006 – 2019	Journal of Orthopaedic Trauma (Editorial Board Member)
2007 – present	Journal of Bone and Joint Surgery, American (Reviewer)
2008 – present	Journal of the American Academy of Orthopaedic Surgeons (Reviewer)
2016 – present	Journal of the American Academy of Orthopaedic Surgeons (Deputy Editor – Shoulder/Elbow Research)
2009 – present	Clinical Orthopaedics and Related Research (Reviewer)
2009 – present	Journal of Shoulder and Elbow Surgery (Reviewer)
2010 – present	Orthopaedic Knowledge Online (OKO) (Reviewer)
2011 – present	American Journal of Sports Medicine (AJSM) (Reviewer)
2013 – present	The Journal of Arthroscopic and Related Surgery (Reviewer)
2014 – 2019	American Journal of Orthopaedics (Editorial Board Member – Associate Editor)
2016 – present	Journal of Bone and Joint Surgery, American (Reviewer)
2018 – present	Shoulder and Elbow (Deputy Editor)

NATIONAL COURSE DIRECTOR

AAOS/ASES Reverse Total Shoulder and Latarjet Procedures – Co-Director - April 7-8, 2017, Chicago, IL
Advanced Shoulder ArthroPlasty (ASAP) Meeting – Co-Director – January 10-12, 2019, Park City, UT
AAOS/ASES Reverse Total Shoulder and Latarjet Procedures – Co-Director - May 3-4, 2019, Chicago, IL
Advanced Shoulder ArthroPlasty (ASAP) Meeting – Co-Director – January 16-18, 2020, Snowbird, UT

NATIONAL AND INTERNATIONAL INVITED COURSE FACULTY

1. University of Utah School of Medicine, Musculoskeletal Organ System Pathophysiology Course “Osteoarthritis: Pathophysiology and Surgical Treatment Options”, Salt Lake City, Utah, November 14, 2006.
2. AAOS/ASES Shoulder and Elbow: Surgical Techniques and Management, “Postoperative Rehabilitation and Outcomes Following Total Shoulder Arthroplasty”, Rosemont, IL, January 26-28, 2007
3. Four Corners PGY3 Orthopaedic Resident Conference, “Shoulder and Elbow”, Keystone, CO, March 1 – 4, 2007.
4. Arthroscopy Association of North America (AANA) Fundamentals in Arthroscopy – Resident Course, Associate Master Instructor, Rosemont, IL, November 29 – December 2, 2007.
5. Arthroscopic Surgery 2008 – Robert W. Metcalf, M.D. Memorial, “Spinoglenoid notch cysts – diagnosis and management”, Sun Valley, Idaho – February 2 – 5, 2008
6. 75th Annual AAOS Meeting – Lab Instructor for surgical demo, “Treatment of Distal Humerus Fractures”, San Francisco, CA, 3/5/2008.
7. Four Corners PGY3 Orthopaedic Resident Conference, “Diagnosis and Treatment of Rotator Cuff Disease and Shoulder Instability”, Snowbird – Salt Lake City, UT, April 3 - 4, 2007
8. 4th Annual Scientific Meeting Association of Clinical Elbow & Shoulder Surgeons, “Lesser tuberosity osteotomy”, Scottsdale, AZ – 10/18/2008.
9. University of Utah School of Medicine, Musculoskeletal Organ System Pathophysiology Course “Top 10 Orthopedic Problems”, Salt Lake City, Utah, November 16, 2008.
10. Surgical Reconstruction of Distal Humerus Fractures, Surgical Skills Course 2SK, “Surgical Approaches for the Treatment of Distal Humerus Fractures”, 76th Annual AAOS Meeting; Las Vegas, NV, 2/2009
11. 76th Annual AAOS Meeting – Lab Instructor for surgical demo, 2SK: Surgical Reconstruction of Distal Humerus Fractures, Las Vegas, NV, 2/27/2009.
12. 76th Annual AAOS Meeting – Lab Instructor for surgical demo, 9SK: Techniques of Arthroscopic Rotator Cuff Repair: Surgical Skills Using Alex Models, Las Vegas, NV, 2/27/2009.
13. University of Utah School of Medicine, Musculoskeletal Organ System Pathophysiology Course “Top 5 Orthopedic Problems”, Salt Lake City, Utah, November 16, 2009.
14. Arthroscopic Surgery 2010 – Robert W. Metcalf, M.D. Memorial, “Spinoglenoid notch cysts – diagnosis and management”, Sun Valley, Idaho – January 30 – Feb 2, 2010
15. Arthroscopic Surgery 2010 – Robert W. Metcalf, M.D. Memorial, “Instructional Course: Top Five Procedures in Elbow Arthroscopy”, Sun Valley, Idaho – January 30 – Feb 2, 2010

16. 77th Annual AAOS Meeting – American Shoulder and Elbow Surgeons Open Meeting – Moderator for Rotator Cuff Repair – Clinical Research Paper Session, March 13, 2010
17. Arthroscopic Surgery 2011 – Robert W. Metcalf, M.D. Memorial, “Instructional Course: Top Five Procedures in Elbow Arthroscopy”, Snowbird, UT – March 24 – 27, 2011
18. Arthroscopic Surgery 2011 – Robert W. Metcalf, M.D. Memorial, “Diagnosis and Arthroscopic Management of Snapping Scapula Syndrome”, Snowbird, UT – March 24 – 27, 2011
19. University of Utah School of Medicine, Musculoskeletal Organ System Pathophysiology Course “Elbow Fractures and Dislocations”, Salt Lake City, Utah, April 27, 2011.
20. 7th Annual Scientific Meeting Association of Clinical Elbow & Shoulder Surgeons, “Glenoid Bone Grafting in Reverse Shoulder Arthroplasty”, West Palm Beach, FL – 11/12/2011.
21. Arthroscopic Surgery 2012 – Robert W. Metcalf, M.D. Memorial, “Managing the Biceps with Cuff Tears”, – Scottsdale, AZ- January 14 – 17, 2012
22. Arthroscopic Surgery 2012 – Robert W. Metcalf, M.D. Memorial, “Natural History of Cuff Tears and Nonoperative Management”, – Scottsdale, AZ- January 14 – 17, 2012
23. Arthroscopic Surgery 2012 – Robert W. Metcalf, M.D. Memorial, “AC Joint Reconstruction, When and How?”, – Scottsdale, AZ- January 14 – 17, 2012
24. 79th Annual AAOS Meeting – Instructional Course Lecture 269 “The Unstable Elbow: Current Concepts in Diagnosis and Treatment” – “Posterolateral Rotatory Instability of the Elbow” – February 8, 2012.
25. 79th Annual AAOS Meeting – Instructional Course Lecture 4SK “Shoulder Instability” – “Anatomy and Arthroscopic Portals of the Shoulder” – February 8, 2012.
26. 79th Annual AAOS Meeting – Instructional Course Lecture 2SK “Rotator Cuff :Surgical Skills” - “Improving Healing After Rotator Cuff Repair: Important Factors” - February 8, 2012
27. 52nd Annual AOA Postgraduate Seminar, “Revision Shoulder Arthroplasty”, White Sulphur Springs, WV, May 4, 2012.
28. Arthroscopic Surgery 2013 – Robert W. Metcalf, M.D. Memorial, “ When Do You Elect To Repair Rotator Cuff Tears?” – Sun Valley, ID – 2/8/2013
29. 80th Annual AAOS Meeting – Instructional Course Lecture 269 “The Unstable Elbow: Current Concepts in Diagnosis and Treatment” – “Posterolateral Rotatory Instability of the Elbow” – March 19, 2013, Chicago, IL.
30. 80th Annual AAOS Meeting – Instructional Course Lecture 4SK “Shoulder Instability” – “Anatomy and Arthroscopic Portals of the Shoulder” – March 21, 2013, Chicago, IL.
31. 80th Annual AAOS Meeting – Moderator Clinical Research Paper Session – Shoulder and Elbow V, March 22, 2013, Chicago, IL.
32. AOA Emerging Leaders Forum,– “How Young Orthopaedic Surgeons Can Lead in Their Hospitals”, June 11 – 12, 2013 Denver, CO
33. AAOS/ASES Management of Rotator Cuff Disease and Instability – “Arthroscopic Anatomy and Portals”, July 26 – 27, 2013, Chicago, IL

34. 9th Annual Scientific Meeting Association of Clinical Elbow & Shoulder Surgeons, “AVN of the Humeral Head: Options and My Preferred Treatment”, Phoenix, AZ – 11/16/2013.
35. Arthroscopic Surgery 2014 – Robert W. Metcalf, M.D. Memorial, “ Who Needs a Cuff Repair?” – Snowbird, UT – 1/23/2014
36. Arthroscopic Surgery 2014 – Robert W. Metcalf, M.D. Memorial, “ Workup and management of suspected TSA infection” – Snowbird, UT – 1/23/2014
37. 81st Annual AAOS Meeting – Instructional Course Lecture 209 “The Unstable Elbow: Current Concepts in Diagnosis and Treatment” – “Posterolateral Rotatory Instability of the Elbow” – March 11, 2014, New Orleans, LA.
38. 81st Annual AAOS Meeting – Instructional Course Lecture 250 “Shoulder Instability” – “Anatomy and Arthroscopic Portals of the Shoulder” – March 11, 2014, New Orleans, LA.
39. 81st Annual AAOS Meeting – Moderator Clinical Research Paper Session – Shoulder and Elbow I, March 10, 2014, New Orleans, LA.
40. Combined AOA/COA Annual Meeting – ICL 01 – Treatment of Massive Rotator Cuff Tears Cotnroversies and Consensus – “Tissue Augmentation Techniques for Irreparable Rotator Cuff Tears” – June 18, 2014, Montreal, QC, Canada.
41. American Shoulder and Elbow Surgeons 31st Closed Meeting – “Arthroscopic Release for Snapping Scapula”- October 12, 2014, Pinhurst, NC.
42. Arthroscopic Surgery 2015 – Robert W. Metcalf, M.D. Memorial, “ When is a reverse arthroplasty an option for a rotator cuff tear without arthritis?” – Snowbird, UT – 3/5/2015
43. Arthroscopic Surgery 2015 – Robert W. Metcalf, M.D. Memorial, “ Management of greater fractures” – Snowbird, UT – 3/5/2015
44. 82nd Annual AAOS Meeting – Moderator Clinical Research Paper Session – Shoulder and Elbow II, March 25, 2015, Las Vegas, NV.
45. 82nd Annual AAOS Meeting – ICL 409 – The Young Arthritic Shoulder: Scope, Arthroplasty, Interposition, Fusion and Resurfacing – “Arthroscopic Treatment of the Young Arthritic Shoulder” – March 27, 2015, Las Vegas, NV.
46. 82nd Annual AAOS Meeting – ICL 208 – The Unstable Elbow: Current Concepts in Diagnosis and Treatment – Moderator and “Transolecranon and Posterior Monteggia Fracture Dislocations” – March 25, 2015, Las Vegas, NV.
47. 82nd Annual AAOS Meeting – Symposium X – Controversies in Shoulder Arthroplasty – “Management of the B2 Glenoid: Total Shoulder Arthroplasty With Glenoid Bone Graft” – March 26, 2015, Las Vegas, NV.
48. American Shoulder and Elbow Surgeons 32nd Closed Meeting - “Shoulder Periprosthetic Task Force Summary” – October, 11, 2015, Ashville, NC.
49. AAOS/ASES Reverse Total Shoulder and Latarjet Procedures-“Biomechanical Considerations in Reverse Shoulder Arthroplasty Design: Medialized Systems – Pros and Cons” – January 29-30, 2016, Chicago, IL

50. Arthroscopic Surgery 2016 – Robert W. Metcalf, M.D. Memorial, “Is the cuff tear the problem at all?” – Sun Valley, ID – 2/6/2016
51. 83rd Annual AAOS Meeting – ICL 227 – Elbow Trauma Gone Bad – “Missed instability patterns in the elbow, how to recognize and treat”, March 2, 2016, Orlando, FL
52. 83rd Annual AAOS Meeting – ICL 267 – The Young Arthritic Shoulder: Scope, Arthroplasty, Interposition, Fusion and Resurfacing – “Arthroscopic treatment of the young arthritic shoulder”, March 2, 2016, Orlando, FL
53. 83rd Annual AAOS Meeting – ICL 367 – How To Manage the Failed Rotator Cuff Repair in the Younger (<50) Patient – “Use of biologics, what is out there and what is on the horizon?”, March 3, 2016, Orlando, FL.
54. Nice Shoulder Course 2016 – “Planning Software & PSI in Shoulder Arthroplasty: Can We Improve Glenoid Component Position?”, June 3, 2016, Nice, France.
55. AAOS/ASES Anatomic Total Shoulder and Reverse Total Shoulder Arthroplasty-“Rotator Cuff Deficiency – Reverse TSA Has Changed Everything” – November 4 -6, 2016, Chicago, IL
56. AAOS/ASES Anatomic Total Shoulder and Reverse Total Shoulder Arthroplasty-“Center of Rotation Offset – Medial COR”– November 4 -6, 2016, Chicago, IL
57. AAOS/ASES Elbow Reconstruction: State of the Art Concepts – “My Approach to the Ulnar Nerve” – November 18-19, 2016, Chicago, IL
58. ASES Resident Course/ Essentials of Shoulder and Elbow Surgery for Residents – “Medial Elbow Approaches, Over the Top, Coronoid Exposure” – January 27-28, 2017
59. 2017 Current Solutions in Shoulder and Elbow Surgery – “Preoperative Evaluation of Glenoid Anatomy” – Tampa, FL, February 10 – 12, 2017.
60. 2017 Current Solutions in Shoulder and Elbow Surgery – “Computer Assisted Preoperative Planning and intraoperative guidance for glenoid (PSI)” – Tampa, FL, February 10 – 12, 2017.
61. 2017 Current Solutions in Shoulder and Elbow Surgery – “Glenoid Design – Medialization versus Lateralization” – Tampa, FL, February 10 – 12, 2017.
62. Chest Wall Injury Summit 2017 – “Clavicle and Scapula Fractures” – Park City, UT, March 4, 2017
63. 84th Annual AAOS Meeting – ICL 430 – Elbow Trauma Gone Bad – “Missed instability patterns in the elbow, how to recognize and treat”, March 17, 2017, San Diego, CA.
64. 84th Annual AAOS Meeting – ICL 348 – The Young Arthritic Shoulder: Scope, Arthroplasty, Interposition, Fusion and Resurfacing – “Arthroscopic treatment of the young arthritic shoulder”, March 16, 2017, San Diego, CA.
65. 84th Annual AAOS Meeting – ICL 268 – How To Manage the Failed Rotator Cuff Repair in the Younger (<50) Patient – “Use of biologics, what is out there and what is on the horizon?”, March 15, 2017, San Diego, CA.
66. American Shoulder and Elbow Surgeons Specialty Day Meeting – “The ABCs of Preoperative Planning for TSA”, March 18, 2017, San Diego, CA.
67. American Bone And Joint Surgeons 69th Annual Meeting – “Factors Influencing Direct Clinical Costs of Outpatient Arthroscopic Rotator Cuff Repair Surgery”, April 6, 2017, Austin, TX

68. AAOS/ASES Reverse Total Shoulder and Latarjet Procedures-“Biomechanical Considerations in Reverse Shoulder Arthroplasty Design: Medialized Systems – Pros and Cons” – April 7, 2017, Chicago, IL
69. AAOS/ASES Management of massive rotator cuff tears: repair to replacement – “How I Do Patch Augmentation for Massive Irreparable Posterosuperior Tears” – September 15, 2017, Chicago, IL
70. 6th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “First-Time Dislocator: Rehabilitation” – November 2, 2017, Las Vegas, NV
71. 6th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Computer Navigation and PSI: Getting the Glenoid” – November 3, 2017, Las Vegas, NV
72. 6th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Controlling Costs in Shoulder Surgery” – November 4, 2017, Las Vegas, NV
73. 13th Annual Meeting of the Association of Clinical Elbow and Shoulder Surgeons (ACCESS) – “Sternoclavicular joint surgery - Open repair with reconstruction to everything” – November 9 – 11, 2017, Phoenix, AZ
74. ASES Resident Course/ Essentials of Shoulder and Elbow Surgery for Residents – “Medial Elbow Approaches, Over the Top, Coronoid Exposure” – January 12-13, 2018.
75. ASES Resident Course/ Essentials of Shoulder and Elbow Surgery for Residents – “Lateral Approaches, Kocher, Column Approach, Kaplan Split” – January 12-13, 2018.
76. ASES Resident Course/ Essentials of Shoulder and Elbow Surgery for Residents – “How Does A Reverse TSA Work” – January 12-13, 2018.
77. Winter SKS 2018 Shoulder, Knee, & Sports Meeting – “Posterior Instability Without Bone Loss” – February 22 – 25, 2018.
78. Winter SKS 2018 Shoulder, Knee, & Sports Meeting – “Improving Healing Rates After Rotator Cuff Repair: What We Do Now That Works” –February 22 – 25, 2018.
79. Winter SKS 2018 Shoulder, Knee, & Sports Meeting – “Palliative Surgery – Indications for SAD, DCR, Biceps with Irreparable Cuff” –February 22 – 25, 2018.
80. Winter SKS 2018 Shoulder, Knee, & Sports Meeting – “Preoperative Evaluation of the Glenoid Prior to Total Shoulder Arthroplasty” –February 22 – 25, 2018.
81. Winter SKS 2018 Shoulder, Knee, & Sports Meeting – “Infection Prevention and Management in Total Shoulder Arthroplasty” –February 22 – 25, 2018.
82. Winter SKS 2018 Shoulder, Knee, & Sports Meeting – “Long Thoracic Neuropathy/Scapular Winging” –February 22 – 25, 2018.
83. 85th Annual AAOS Meeting – ICL 309 – How To Manage the Failed Rotator Cuff Repair in the Younger (<50) Patient – “Use of biologics, what is out there and what is on the horizon?”, March 8, 2018, New Orleans, LA.
84. 85th Annual AAOS Meeting – ICL 430 – Elbow Trauma Gone Bad – “Missed instability patterns in the elbow, how to recognize and treat”, March 7, 2018, New Orleans, LA.

85. 85th Annual AAOS Meeting – Symposium – Intraoperative Complications in Shoulder Surgery – Nobody Ever Taught Me This! – “Reverse Arthroplasty: I just fractured the glenoid while reaming...oh boy!”, March 6, 2018, New Orleans, LA.
86. American Shoulder and Elbow Surgeons 35nd Annual Meeting, - Symposium VII: Massive Failed Rotator Cuff Tear “Graft Augmentation”, Chicago, IL, October 13, 2018.
87. AAOS/ASES Anatomic Total Shoulder and Reverse Total Shoulder Arthroplasty-“Reverse TSA Has Changed Everything” – November 2-3, 2018, Chicago, IL
88. AAOS/ASES Anatomic Total Shoulder and Reverse Total Shoulder Arthroplasty-“Center of Rotation Offset – Medial COR”– November 2-3, 2018, Chicago, IL
89. 7th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Pre-operative Planning: Image-based Decision Making” – November 8-10, 2018, Las Vegas, NV
90. 7th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Latissimus Transfer for Subscapularis Failure” – November 8-10, 2018, Las Vegas, NV
91. 7th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Tendon Transfers – Is There a Role in 2018?” – November 8-10, 2018, Las Vegas, NV
92. 7th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Augmentation of Rotator Cuff Repair - Synthetic” – November 8-10, 2018, Las Vegas, NV
93. Orthopaedic Summit Evolving Techniques 2018 – “Evolving Techniques Update: Humeral Exposure Is the To Glenoid Exposure: Say What?” – December 7, 2018, Las Vegas, NV
94. Orthopaedic Summit Evolving Techniques 2018 – “Evolving Technique: Want Answers To Scapula Pain? Stop Treating Conservatively, Do the Arthroscopic Bursectomy”– December 7, 2018, Las Vegas, NV
95. Orthopaedic Summit Evolving Techniques 2018 – “Debate:68 year old farmer who heard a pop 48 hours ago in his dominant shoulder and has a 2 tendon tear: Pro: slow down westerner and rehab first: he will likely be satisfied, what do you have to lose?”– December 9, 2018, Las Vegas, NV
96. Advanced Shoulder Arthroplasty Meeting 2019 – “Making sense of all of our measures – inclination, version, subluxation, reaming depth & implant seating” – January 10 – 12, 2019, Park City, Utah.
97. Advanced Shoulder Arthroplasty Meeting 2019 – “Humeral periprosthetic fractures – Non-op versus surgery” - January 10 – 12, 2019, Park City, Utah.
98. Advanced Shoulder Arthroplasty Meeting 2019 – “How to manage a well-fixed humerus stem with a fracture below: internal fixation with or without component revision” - January 10 – 12, 2019, Park City, Utah
99. Advanced Shoulder Arthroplasty Meeting 2019 – “Bone grafting for E2/E3 deformity” - January 10 – 12, 2019, Park City, Utah.
100. Winter Shoulder Knee & Sports (SKS) Meeting 2019 – “360-Degree Labral Tears – Where Do I Begin?” – February 21-24, 2019, Snowbird, Utah.
101. Winter Shoulder Knee & Sports (SKS) Meeting 2019 – “Improving healing rates after rotator cuff repair: does anything we do work?” – February 21-24, 2019, Snowbird, Utah.
102. Winter Shoulder Knee & Sports (SKS) Meeting 2019 – “Palliative Surgery – Indications for SAD, DCR, Biceps with Irreparable Cuff” – February 21-24, 2019, Snowbird, Utah.

103. Winter Shoulder Knee & Sports (SKS) Meeting 2019 – “Video Spotlight: Reverse total shoulder arthroplasty for irreparable rotator cuff – technical pearls” – February 21-24, 2019, Snowbird, Utah.
104. Winter Shoulder Knee & Sports (SKS) Meeting 2019 – “Long thoracic neuropathy/scapular winging– February 21-24, 2019, Snowbird, Utah.
105. 86th Annual AAOS Meeting- Flash 5 – “New Developments for Glenoid Bone Deficiency”, March 12, 2019, Las Vegas, NV.
106. American Shoulder and Elbow Surgeons Specialty Day Meeting – “Latissimus Dorsi/Teres Major Transfer With Reverse Total Shoulder Arthroplasty (RTSA)”, March 16, 2019, Las Vegas, NV.
107. Wright Medical Masters Shoulder Symposium 2019 – “Reverse Shoulder Arthroplasty: Early Failures”, April 5, 2019, Dallas, TX.
108. Wright Medical Masters Shoulder Symposium 2019 – “Complex Reverse Cases – Bone Grafting”, April 5, 2019, Dallas, TX.
109. American Shoulder and Elbow Surgeons Annual Meeting 2019 – “What I Wish I Knew About Practice 10 Years-Ago”, October 18, 2019, New York, NY.
110. 8th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Tendon Transfers: What’s the Role in 2019?” – November 14-16, 2019, Las Vegas, NV
111. 8th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Latissimus Transfer for Subscapularis Failure” – November 14-16, 2019, Las Vegas, NV
112. 8th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “BioRSA and Baseplast Augments” – November 14-16, 2019, Las Vegas, NV
113. 8th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Humeral Shaft Fractures”– November 14-16, 2019, Las Vegas, NV
114. 8th Annual Shoulder Course Featuring Advanced Concepts in Sports Medicine – ICJR – “Managing the Infected Arthroplasty: Debride, 1 or 2 Stage Exchange” – November 14-16, 2019, Las Vegas, NV
115. ASES 2019 Resident Course– “Medial Elbow Approaches, Over the Top, Coronoid Exposure” – November 22-23, 2019, Rosemont, Illinois.
116. ASES 2019 Resident Course– “Lateral Approaches, Kocher, Column Approach, Kaplan Split” – November 22 – 23, 2019, Rosemont, Illinois.
117. ASES 2019 Resident Course– “Factors That Influence Cuff Healing” – November 22 – 23, 2019, Rosemont, Illinois.
118. Orthopaedic Summit Evolving Techniques 2019 – “Debate: A 27 year old rugby hooker with overhead pain in a scrum – pro: you foolish young man! Learn anything lately? Do the biceps tenodesis!” December 11-12, 2018, Las Vegas, NV
119. Orthopaedic Summit Evolving Techniques 2019 – “Panel 17 year old male lacrosse player with a third dislocation in a year (5% glenoid bone loss and moderate 20% hill sachs – pro: you’re almost right, add the remplissage for ssecurity – belt & suspenders” December 11-12, 2018, Las Vegas, NV

120. Orthopaedic Summit Evolving Techniques 2019 – “Evolving technique: the 43-year old painter 5 months status post healed, non-infected rotator cuff repair with great motion that can’t sleep and has pain: I thought I was good, I am going to help you diagnose the problem.” December 11-12, 2018, Las Vegas, NV

121. 2nd Advanced Shoulder Arthroplasty Meeting 2020 – “Revision Humeral Stem Placement For Periprosthetic Fracture” - January 16-18, 2019, Snowbird, Utah.

122. 2nd Advanced Shoulder Arthroplasty Meeting 2020 – “Glenohumeral Cerclage For Recalcitrant RSA Instability” - January 16-18, 2019, Snowbird, Utah.

123. 2nd Advanced Shoulder Arthroplasty Meeting 2020 – “How I Do The Deltopectoral Approach and Guide-Assisted Humeral Head” - January 16-18, 2019, Snowbird, Utah.

124. 2nd Advanced Shoulder Arthroplasty Meeting 2020 – “I Preoperative Plan All Cases: So Should You” - January 16-18, 2019, Snowbird, Utah.

125. 2nd Advanced Shoulder Arthroplasty Meeting 2020 – “Workup and Treatment of Unstable RSA” - January 16-18, 2019, Snowbird, Utah.

126. 2nd Advanced Shoulder Arthroplasty Meeting 2020 – “Reverse Shoulder Arthroplasty With Vault Reconstruction System” - January 16-18, 2019, Snowbird, Utah.

GRANT FUNDING – PRINCIPLE INVESTIGATOR (Completed) (Total = \$643,725)

12/2005 – 7/2006 Pfizer *inSCOPE* Orthopedic Fellowship Awards Program, Principle Investigator - \$20,000
“The Effect of Smoking on Outcome and Repair Integrity of Double-Row Complete Arthroscopic Rotator Cuff Repairs”

6/2007 – 6/2008 AO North America Resident Trauma Grant – Faculty Preceptor/Sponsor for orthopaedic resident - \$4,550 – “Proximal Radial Drift After Radial Head Resection”

1/2008 – 1/2010 University of Utah Research Committee Faculty Research & Creative Grant, Principle Investigator - \$6,000 “Biomechanical Evaluation of Anatomic Acromioclavicular Joint Reconstructions with and without Coracoacromial Ligament Transfer”

3/2008 – 3/2011 Orthopaedic Research Education Foundation (OREF) Zimmer Career Development Award, Principle Investigator - \$50,000 “Determination of Optimal Tension and Proximal Humeral Version of the Reverse Total Shoulder Arthroplasty”

1/2010 – 1/2012 University of Utah Research Committee Faculty Research & Creative Grant, Principle Investigator - \$6,000 “Optimizing Clavicular Allograft Tendon Fixation For Acromioclavicular Joint Reconstructions.”

12/2009–12/2010 Synthes Research Grant, Principle Investigator - \$12,225 “A Biomechanical Comparison of Two Methods of Glenoid Neck Fracture Fixation”

11/2011–11/2012 University of Utah Research Committee Faculty Research & Creative Grant, Principle Investigator - \$6,000 “Evaluation of Interference Screw Versus Suture Anchor Fixation for Subpectoral Biceps Tenodesis.”

7/2011-7/2013 University of Utah Funding Incentive Seed Grant, Principle Investigator - \$28,000 “ In Vivo Determination of Scapula Kinematics after Reverse Total Shoulder Arthroplasty”

10/2011–10/2014 Veterans Administration: CSRD Merit Review Award, Principle Investigator - \$500,000
“Determining the Genetics of Rotator Cuff Disease”

11/2013–11/2014 University of Utah Research Committee Faculty Research & Creative Grant, Principle Investigator - \$6,000 “Biomechanical Evaluation of the Latarjet Procedure for the Treatment of Combined Humeral Head and Glenoid Bony Lesions Utilizing a Dynamic Shoulder Simulator.”

6/2014 - 6/2015 LS Peery Foundation Discovery Program in Musculoskeletal Restoration Program, Principle Inversigator - \$5,000 “Dislocation and complication rates following reverse Total shoulder arthroplasty”

8/2013 – 8/2016 LS Peery Foundation Discovery Program in Musculoskeletal Restoration Program – Principle Investigator - \$5,000 – “Evaluation of apoptosis and tumor suppressor genes in Rotator cuff tendon tears”

8/2016 – 8/2017 LS Peery Foundation Discovery Program in Musculoskeletal Restoration Program – Principle Investigator - \$15,000 – “Evaluation of apoptosis and tumor suppressor genes in Rotator cuff tendon tears”

10/2015–10/2016 University of Utah Research Committee Faculty Research & Creative Grant, Principle Investigator - \$6,000 “Dislocation and acromial fracture rates following reverse total shoulder arthroplasty.”

2/2017 – 1/2018 LS Peery Foundation Discovery Program in Musculoskeletal Restoration Program – - Principle Investigator - \$37,500- “Assessing the MCID of Legacy and Computer Adaptive Tests in the Orthopaedic Shoulder Population”

GRANT FUNDING – CO- INVESTIGATOR (Completed)

7/2010 – 6/2013 Veterans Administration:RR&D Merit Review Award (Parent I01), Co-Investigator – \$751,400 “Predicting Skeletal Stability of Endoprotheses for Above Elbow Amputee”
Principal Investigator: Kent N Bachus PhD, Other Co-Investigators: Andrew E. Anderson,PhD, RoyD Bloebaum PhD, Gregory J Stoddard

GRANT FUNDING – PRINCIPLE INVESTIGATOR (Ongoing)

7/2017 – 6/2018 Orthopaedic Research and Education Foundation/ASES/Rockwood Clinical Research Grant – Co-Principle Investigator - \$50,000 – “PT vs. A Home Program for Reverse Shoulder Arthroplasty: A Randomized Trial.”

GRANT FUNDING – CO-INVESTIGATOR (Ongoing)

7/2015 – 6/2018 U.S. Army Medical Research Acquisition Activity Grant, “Development of Highly Functional, Neurally Controlled, Skeletally Attached and Intelligent Prosthetic Devices” - \$5,223,096, Role: Co-Investigator

5/2016 – 4/2021 National Institute of Health (NIH) – National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) RO1 Grant, “Biomechanics of Reverse Total Shoulder Arthroplasty” - \$2,003,321, Role: Co-Investigator

JOURNAL PUBLICATIONS (peer-reviewed)

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VIDEO/AUDIOVISUALS

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2. **Tashjian RZ**: Post-operative management and rehabilitation for Total Shoulder Arthroplasty, in Green A, Blaine TA (eds): *Surgical Techniques in Orthopaedics: Total Shoulder Arthroplasty 2nd Edition*. Rosemont, IL, American Academy of Orthopaedic Surgeons, 2010.
3. AAOS Online Course – “Insights into Reverse Shoulder Arthroplasty” - [Biomechanics and Principles of RSA, particularly with respect to Grammont-style implants, 2019](#)

WEBCASTS/WEBINAR

1. Journal of Bone and Joint Surgery American Webinar, “Rotator Cuff Repair – Does Healing Matter: A JBJS Webinar”, September 22, 2014. - Participant
2. American Academy of Orthopaedic Surgeons (AAOS) Webinar, “Avoiding Complications in Shoulder Surgery”, January 6, 2016 – Moderator

3. American Academy of Orthopaedic Surgeons (AAOS) Webinar, “AAOS/ASES Elbow Trauma and Treatment Options”, November 9, 2016 – Participant
4. American Academy of Orthopaedic Surgeons (AAOS) Webinar, “Reverse Shoulder Arthroplasty: Moving Past the Basics”, May 16, 2018 – Participant
4. American Academy of Orthopaedic Surgeons (AAOS) Webinar, “Orthobiologics in Rotator Cuff Repair: Do you or Voodoo?”, May 23, 2018 – Participant
5. American Academy of Orthopaedic Surgeons (AAOS) Webinar, “Reverse Shoulder Arthroplasty: Moving Past the Basics”, October 24, 2018.- Participant
6. American Academy of Orthopaedic Surgeons (AAOS) Webinar, “ **Surgical Reconstructive Options for Massive Rotator Cuff Tear**”, May 23, 2019 - Moderator

ABSTRACTS

Poster Presentations

1. Diaz-Cano SJ, **Tashjian R**, DeMiguel M, Blanes A, Galera H, Wolfe HJ. DNA Deletions, apoptosis blockage and x-linked clonality analysis in MEN-2A related C-cell lesions. 1997 Annual Meeting United States and Canadian Academy of Pathology, Orlando, FL, 3/1997.
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7. **Tashjian R**, Banerjee R, Appel AJ, DiGiovanni CW. Anatomic study of the gastrocnemius-soleus junction and its relationship to the sural nerve. American College of Foot and Ankle Surgeons 2003 Annual Meeting and Scientific Seminar, Orlando, FL, 2/2003.
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9. Henn RF, **Tashjian RZ**, Kang L, Green A. Quantifying factors that influence patient expectations of surgical treatment for rotator cuff tears. 9th International Congress on Surgery of the Shoulder Meeting, Washington, D.C., 5/2004.

10. **Tashjian RZ**, Banerjee R, Bradley MP, Alford JW, Fadale PD. Zolpidem reduces post-operative pain following outpatient knee arthroscopy. AAOSM Annual Meeting, Quebec City, Canada, 6/2004.
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32. **Tashjian RZ**, Granger EK, Barney JK, Partridge DR. Functional outcomes after arthroscopic scapulothoracic bursectomy and partial superomedial angle scapulectomy. American Shoulder and Elbow Surgeons 30th Closed Meeting, Las Vegas, NV, 10/2013.
33. Battistone MJ, Barker AM, Grotzke M, Huhtala TA, **Tashjian RZ**, Cannon GW. A musculoskeletal Programmatic innovation developed with the department of Veterans Affairs. Academic Internal Medicine Week (AIMW) 2013, Alliance for Academic Internal Medicine (AAIM), New Orleans, LA, Oct 2-6, 2013.
34. Battistone, MJ, Barker AM, Grotzke M, Beck PJ, **Tashjian RZ**, Huhtala TA, Cannon GW. The “mini-Residency” in musculoskeletal care: an efficient and effective mixed method model for continuing Professional education. ACR/ARHP Annual Meeting 2013, San Diego, CA, 10/2013.
35. Farnham M, **Tashjian RZ**, Teerlink CC, Cannon-Albright LA. Genome-wide association study identifying genetic risk loci for full-thickness rotator cuff tears. American Society of Human Genetics Annual Meeting, Boston, MA, 10/2013
36. **Tashjian RZ**, Burks RT, Henninger HB. Biomechanical evaluation of various humeral and glenosphere options in two reverse TSA systems. 81st AAOS Annual Meeting, New Orleans, LA, 3/2014.
37. **Tashjian RZ**, Abtahi A, Barney J, Partridge D, Granger E. Healing Rates and Functional Outcomes After Arthroscopic Single-Row Rotator Cuff Repair Using Triple Loaded Suture Anchors. 33rd Arthroscopy Association of North America Annual Meeting, Hollywood, FL, 4/2014.

38. **Tashjian RZ**, Beckmann JT, Wylie JD, Granger EK, Chen W, Hung M. Evaluation of the PROMIS physical function computer adaptive test (PF CAT) in patients with rotator cuff disease. European Society for Surgery of the Shoulder and Elbow (SECEC/ESSSE) Congress, Milano, Italy, 9/16/2015 – 9/19/2015.
39. **Tashjian RZ**, Granger EK, Zhang Y, Teerlink CC, Cannon-Albright LA. Identification of a familial predisposition for and a genetic variant associated with rotator cuff repair healing. European Society for Surgery of the Shoulder and Elbow (SECEC/ESSSE) Congress, Milano, Italy, 9/16/2015 – 9/19/2015.
40. **Tashjian RZ**, Farnham JM, Granger EK, Teerlink CC, Cannon-Albright LA. Evidence for an inherited predisposition contributing to the risk for global tendinopathies and compression neuropathies in patients with rotator cuff tears. European Society for Surgery of the Shoulder and Elbow (SECEC/ESSSE) Congress, Milano, Italy, 9/16/2015 – 9/19/2015.
41. Matthijs Jacxsens, **Robert Z Tashjian**, Heath B Henninger. Glenoid Track And Glenoid Bone Loss As Predictors Of Recurrent Instability After Bankart Repair: A 3D CT-Scan Study. European Society for Surgery of the Shoulder and Elbow (SECEC/ESSSE) Congress, Berlin, Germany, 9./2017.
42. Jacxsens M, Elhabian S, Chalmers P, **Tashjian R**, Henninger H. Periarticular and Glenoid Morphology of the Scapula Differs in Patients with Hill-Sachs Lesions: a Controlled Statistical Shape Modeling Study. Orthopaedic Research Society 2018 Annual Meeting, New Orleans, LA, 3/10/17 – 3/13/2017.
43. Jacxsens M, **Tashjian R**, Henninger H. Glenoid track exceeded glenoid bone loss as a predictor of instability recurrence after anterior capsulolabral repair. Annual Meeting of the American Academy of Orthopaedic Surgeons, March 6 – 10, 2018, New Orleans, LA.
44. Jacxsens M, Chalmers PN, **Tashjian RZ**, Henninger HB Glenoid Defect Size Depends On Glenoid Defect Orientation In Patients With Recurrent Traumatic Anterior Shoulder Instability. SECEC Congress, Geneva, Switzerland, IT, 9/2018.
45. Chalmers PN, Tashjian RZ, Martin BI, Ricketts CA, Henninger H, Granger E. Superior baseplate inclination in association with instability after reverse total shoulder arthroplasty. 86th Annual AAOS Meeting, March 13, 2019, Las Vegas, NV.

PRESENTATIONS

National and International Scientific Presentations

1. **Tashjian RZ**, Appel AJ, Banerjee R, DiGiovanni CW. Endoscopic gastrocnemius recession. 33rd AOFAS Annual Winter Meeting, New Orleans, LA, 2/2003
2. **Tashjian RZ**, Henn F, Kang L, Green A. Medical co-morbidities affect pain, function, and general health status associated with chronic rotator cuff tears. 18th Annual Smith and Nephew Resident Research Competition, Memphis, TN, 8/2003.
3. **Tashjian RZ**, Ritter M, Wolf JM, Weiss AP, Green A. Functional outcomes and general health status after ulnohumeral arthroplasty for primary degenerative elbow arthritis. American Shoulder and Elbow Society Focus Meeting – Shoulder and Elbow Arthritis: Management Options from Arthroscopy to Arthroplasty, Las Vegas, Nevada, 11/2003.
4. **Tashjian RZ**, Henn F, Kang L, Green A. Co-morbidities affect function and general health status associated with chronic rotator cuff tears. 71st AAOS Annual Meeting, San Francisco, CA, 3/2004.

5. **Tashjian RZ**, Henn F, Kang L, Green A. Co-morbidities affect function and general health status associated with chronic rotator cuff tears. 9th International Congress on Surgery of the Shoulder Meeting, Washington, D.C., 5/2004.
6. **Tashjian RZ**, Henn RF, Kang L, Green A. The effect of co-morbidity on pain, function and general health status after rotator cuff repair. 72nd AAOS Annual Meeting, Washington, D.C., 2/2005.
7. **Tashjian RZ**, Spenciner D, Levanthal E, Green A, Fleming B. Initial fixation strength of repairs of massive rotator cuff repairs. 73rd AAOS Annual Meeting, Chicago, IL, 3/2006.
8. **Tashjian RZ**, Bradley MP, Tocci S, Rey J, Henn RF, Green A. Patient satisfaction after rotator cuff repair. 73rd AAOS Annual Meeting, Chicago, IL, 3/2006.
9. **Tashjian RZ**, Bradley MP, Tocci S, Rey J, Henn RF, Green A. A comparison of prospective and retrospective functional outcome assessment after rotator cuff repair. 74th AAOS Annual Meeting, San Diego, CA, 2/2007.
10. **Tashjian RZ**, Hollins AM, Teefey SA, Middleton WD, Galatz LM, Yamaguchi K. Factors Affecting Healing Rates After Double-Row Arthroscopic Rotator Cuff Repairs. 75th AAOS Annual Meeting, San Francisco, CA, 3/2008.
11. **Tashjian RZ**, Cannon-Albright LA. Evidence for an Inherited Predisposition Contributing to the Risk For Rotator Disease. 76th AAOS Annual Meeting, Las Vegas, NV, 2/2009.
12. **Tashjian RZ**, Granger E, Barney J, Partridge D. Outcomes After Arthroscopic Scapulothoracic Bursectomy and Partial Superomedial Angle Scapulectomy. 33rd Arthroscopy Association of North America Annual Meeting, Hollywood, FL, 4/2014.
13. **Tashjian RZ**, Hung M, Burks RT, Greis P. Influence of Preoperative Musculotendinous Junction (MTJ) Position on Rotator Cuff Healing. 33rd Arthroscopy Association of North America Annual Meeting, Hollywood, FL, 4/2014.
14. **Tashjian RZ**, Cannon-Albright LA, Teerlink CC. Genomewide Association Study for Rotator Cuff Tears Identifies Two Significant SNPs. 82nd Annual AAOS Meeting, Las Vegas NV, 3/24/2015.
15. **Tashjian RZ**, Wylie J, Granger E, Suter T. Mental Well-being Is The Strongest Predictor of Shoulder Pain and Function In Patients With Symptomatic Full-Thickness Rotator Cuff Tears. European Society for Surgery of the Shoulder and Elbow (SECEC/ESSSE) Congress, Milano, Italy, 9/16/2015 – 9/19/2015.
16. **Tashjian RZ**, Granger EK. Utility of Shoulder Arthroplasty Tissue Biopsy to Predict Revision Shoulder Arthroplasty Cultures in At-Risk Patients. American Shoulder and Elbow Surgeons 32nd Closed Meeting, Ashville, NC, October 11, 2015
17. **Tashjian RZ**, Granger EK, Zhang Y, Teerlink CC, Cannon-Albright LA. Identification of a Familial Predisposition for and a Genetic Variant Associated Rotator Cuff Repair Healing. 83rd Annual AAOS Meeting, Orlando, FL, March 4, 2016.
18. **Tashjian RZ**, Granger EK, Zhang Y, Teerlink CC, Cannon-Albright LA. Identification of a Familial Predisposition for and a Genetic Variant Associated Rotator Cuff Repair Healing. American Shoulder and Elbow Surgeons Open Meeting Orlando, FL, March 5, 2016.
19. **Tashjian RZ**, Granger EK. Utility of Shoulder Arthroplasty Tissue Biopsy to Predict Revision

Shoulder Arthroplasty Cultures in At-Risk Patients. European Society for Surgery of the Shoulder and Elbow (SECEC/ESSSE) Congress, Antwerp, Belgium, 9/25/2016.

20. **Tashjian RZ**, Belisle J, Baran S, Granger EK, Nelson RE, Burks RT, Greis PE. Factors Influencing Direct Clinical Costs of Outpatient Arthroscopic Rotator Cuff Repair Surgery. American Shoulder and Elbow Surgeons 33rd Closed Meeting, Boston, MA, October 7, 2016.
21. **Tashjian RZ**, Granger EK, Chalmers PN. Structural Glenoid Grafting During Primary Reverse Total Shoulder Arthroplasty Utilizing Humeral Head Autograft. 85th Annual AAOS Meeting, New Orleans, LA, March 8, 2018.

National and International Scientific Presentations (Co-authored)

1. De Miguel M, Blanes A, **Tashjian R**, Diaz-Cano SJ. Cell kinetics contributions to the differential genetic pattern of C-cell and adrenal medullary hyperplasias in MEN-2A. Pathological Society of Great Britain and Ireland 184th Meeting, Dublin, Ireland, 7/2002.
2. Green A, Kang L, **Tashjian R**, Henn F. Short-term functional outcome of arthroscopic rotator cuff repair (ARCR): a prospective, matched comparison to mini-open repair (MRCR). American Shoulder and Elbow Surgeons 19th Closed Meeting, Pebble Beach, CA, 10/2002.
3. Henn RF, Kang L, **Tashjian RZ**, Green A. Patient expectations correlate with pain, function and general health following rotator cuff repair. 9th International Congress on Surgery of the Shoulder Meeting, Washington, D.C., 5/2004.
4. Henn RF, Kang L, **Tashjian RZ**, Green A. Workers compensation patients have worse pain, function and general health after rotator cuff repair. 9th International Congress on Surgery of the Shoulder Meeting, Washington, D.C., 5/2004.
5. Green A, **Tashjian RZ**, Ritter M, Wolf JM, Weiss AP. Functional outcomes and general health status after ulnohumeral arthroplasty for primary degenerative elbow arthritis. 9th International Congress on Surgery of the Shoulder Meeting, Washington, D.C., 5/2004.
6. Majercik S, Biffl W, **Tashjian R**, Harrington D, Cioffi WG. Halo-vest immobilization in the elderly: a death sentence. 2004 American Association for the Surgery of Trauma Annual Meeting, Maui, Hawaii, 9/2004.
7. Banerjee R, **Tashjian R**, Bradley M, Alford J, Fadale P. Zolpidem reduces post-operative pain following outpatient knee arthroscopy. 19th Annual Smith and Nephew Resident Research Competition, Memphis, TN, 8/2004.
8. Banerjee R, **Tashjian R**, Bradley M, Alford J, Fadale P. Zolpidem reduces post-operative pain following outpatient knee arthroscopy. 2004 Western Orthopaedic Association Annual Meeting, San Francisco, CA, 9/2004.
9. Green A, Henn RF, **Tashjian RZ**, Kang L. Patients' preoperative expectations predict the outcome of rotator cuff repair. American Shoulder and Elbow Surgeons 21st Closed Meeting, New York, NY, 10/2004.
10. Henn RF, Kang L, **Tashjian RZ**, Green A. Patients' preoperative expectations predict the outcome of rotator cuff repair. American Shoulder and Elbow Surgeons Open Meeting, Washington, D.C., 2/2005.
11. Henn RF, Kang L, **Tashjian RZ**, Green A. Workers compensation patients have worse pain, function, and general health after rotator cuff repair. 72nd AAOS Annual Meeting, Washington, D.C., 2/2005.
12. **Tashjian RZ**, Majercik S, Biffl W, Cioffi WG. Halo-vest immobilization increases early morbidity

and mortality in elderly odontoid fractures. 35th Western Trauma Association Annual Scientific Meeting, Steamboat Springs, CO, 2/2005.

13. Green A, **Tashjian RZ**, Bradley M, Tocci S, Henn R, Rey J. A comparison of prospective and retrospective functional outcome assessment after rotator cuff repair. American Shoulder and Elbow Surgeons 23rd Closed Meeting, Chicago, IL, 9/2006.
14. Tocci S, **Tashjian RZ**, Spenciner D, Levanthal E, Green A, Fleming B. Biomechanical Evaluation of Single Row Arthroscopic Rotator Cuff Repair (ARCR) Technique 74th AAOS Annual Meeting, San Diego, CA, 2/2007.
15. Henninger HB, Barg A, **Tashjian RZ**, Burks RT, Bachus KN, Anderson AE. Influence of Humeral Version and Deltoid Tension on Glenohumeral Kinematics After Reverse Total Shoulder Arthroplasty. ASME 2011 Summer Bioengineering Conference, Farmington, PA, 6/2011
16. Burks RT, Henninger HE, Barg A, Bachus KN, **Tashjian RZ**. Influence of intra-operative variables on the biomechanics of reverse total shoulder arthroplasty. American Shoulder and Elbow Surgeons 28th Closed Meeting, White Sulphur Springs, WV, 10/2011.
17. Battistone MJ, Nelson RE, Ashworth WD, Barker A, Grotzke M, Huhtala TA, **Tashjian RZ**, Cannon GW. Cost-effectiveness of training rural providers to perform joint injections. American College of Rheumatology/Association of Rheumatology Health Professionals Annual Meeting. Washington, D.C, 11/2012.
18. Henninger HB, Burks RT, **Tashjian RZ**. A biomechanical comparison of reverse total shoulder arthroplasty systems. 2013 Annual Meeting of the International Society for Technology in Arthroplasty (ISTA), Palm Beach, FL, 10/2013.
19. Burks RT, **Tashjian RZ**, Henninger HB. Comparison of reverse total shoulder arthroplasty systems in soft tissue constrained shoulders. American Shoulder and Elbow Surgeons 30th Closed Meeting, Las Vegas, NV, 10/2013.
20. Potter MQ, Wylie JD, Burks RT, Greis PE, **Tashjian RZ**. Psychological distress negatively impacts self-assessment of shoulder function in patients with rotator cuff tears. American Shoulder and Elbow Surgeons Open Meeting, Las Vegas, NV, 3/28/2015.
21. Suter T, Gerber Popp A, Zhang Y, Zhang C, **Tashjian RZ**, Henninger HB. The influence of radiographic viewing perspective and demographics on the critical shoulder angle. 16th EFORT Prague Congress, Prague, Czech Republic, 5/27,2015.
22. Suter T, Kolz CW, Tagge ST, **Tashjian RZ**, Gerber Popp A, Henninger HB. Surgical accuracy of humeral head osteotomy in shoulder arthroplasty. 16th EFORT Prague Congress, Prague, Czech Republic, 5/27,2015.
23. Kolz, CW, Suter T, Tagge ST, **Tashjian RZ**, Gerber Popp A, Henninger HB. Surgical accuracy of humeral head osteotomy in shoulder arthroplasty. Summer Biomechanics, Bioengineering, and Biotransport Conference. Snowbird, UT, 6/17/2015.
23. Suter T, Kolz CW, Tagge ST, **Tashjian RZ**, Gerber Popp A, Henninger HB. Surgical accuracy of humeral head osteotomy in shoulder arthroplasty. SECEC Congress, Milan, IT, 9/2015.
24. **Tashjian RZ**, Erickson GA, Robins RJ, Zhang Y, Burks, RT, Greis PE. "Influence of Preoperative Musculotendinous Junction Position on Rotator Cuff Healing After Double-Row Repair." Scientific Session 2: Rotator Cuff Repair, AANA Annual Meeting, Denver, Colorado, 18 May 2017.

25. Matthijs Jacxsens, Shireen Y Elhabian, **Robert Z Tashjian**, Heath B Henninger Scapular Morphology In Patients With Hill-Sachs Lesions Using Statistical Shape Modeling SECEC Congress, Berlin, Germany, 9/2017.
26. Jacxsens M, **Tashjian RZ**, Henninger HB. *Glenoid Track and Glenoid Bone Loss as a Predictor of Recurrent Instability after Bankart Repair: a 3D CT-Scan Study*. Presented at the 77th Annual Congress of the Swiss Society of Orthopedics and Trauma Surgery, St. Gallen, Switzerland.
27. Jacxsens M, **Tashjian RZ**, Henninger HB. *Glenoid Track and Glenoid Bone Loss as a Predictor of Recurrent Instability after Bankart Repair: a 3D CT-Scan Study*. Presented at the 34th AGA-Congress, Munich, Germany.
28. Jacxsens M, Elhabian S, Chalmers P, **Tashjian R**, Henninger H. Periarticular and glenoid morphology of the scapula differs in patients with Hill-Sachs Lesions: a Controlled Statistical shape modeling study. 78th Annual Conference of the Swiss Society of Orthopedics and Trauma Surgery, 6- 8th June 2018, Montreux, Switzerland.
29. Chalmers PN, Kahn T, Broschinsky K, Ross H, Stertz R, Nelson R, Yoo M, Tashjian RZ. An analysis of costs associated with shoulder arthroplasty. 86th Annual AAOS Meeting, March 13, 2019, Las Vegas, NV.

INVITED PRESENTATIONS

National/International Presentations

1. Patient Self-Assessment and Functional Outcomes in Rotator Cuff Disease, Department of Orthopedics, UMASS Medical School, UMASS Medical Center, 10/14/2005.
2. Rotator Cuff Tears – Etiology, Indications and Healing. Grand Rounds, Department of Orthopaedics, Brown Medical School, Providence, RI, 4/12/2016.
3. Biomechanics of Reverse Total Shoulder Arthroplasty. Basic Science Lecture Series, Department of Orthopaedics, Brown Medical School, Providence, RI, 4/12/2016.

Local Presentations

1. Elbow Instability, Grand Rounds Lecture, Department of Orthopedics, Brown University School of Medicine, Rhode Island Hospital, 5/2003.
2. Complex Elbow Instability, Grand Rounds Lecture, Department of Orthopaedic Surgery, Washington University School of Medicine, Barnes-Jewish Hospital. 2/1/2006.
3. Initial Diagnosis and Management of Shoulder Pain, Grand Rounds Lecture, Department of Internal Medicine, University of Utah School of Medicine, University of Utah Hospitals and Clinics, 9/2006.
4. Initial Diagnosis and Management of Shoulder Pain, Grand Rounds Lecture, Department of Family Medicine, University of Utah School of Medicine, University of Utah Hospitals and Clinics, 10/2006.
5. Complex Elbow Instability, Grand Rounds Lecture, Department of Orthopaedics, University of Utah School of Medicine, University of Utah Hospitals and Clinics, 11/2006.
6. Initial Diagnosis and Management of Shoulder Pain, Grand Rounds Lecture, Lakeview Hospital, Bountiful, UT, 11/2006.

7. Initial Diagnosis and Management of Shoulder Pain, University of Utah School of Medicine Community Clinics Continuing Medical Education, Greenwood Health Center, Midvale, UT 12/2006.
8. Shoulder Arthritis, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 12/2006.
9. Rotator Cuff Disease, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 4/2007.
10. Surgical Treatment of Shoulder and Elbow Arthritis, Arthritis Foundation, Utah Chapter, Salt Lake City, UT, 5/21/2007.
11. Musculoskeletal Ultrasound/The Surgical Shoulder, McKay-Dee Hospital, Sports Medicine Lecture Series, Ogden, UT, 6/5/2007.
12. Sherman S. Coleman Graduation Faculty Disputant, University of Utah Department of Orthopaedics, Salt Lake City, UT, 6/8/2007
13. Shoulder and Elbow Arthritis, Community Education Series, University of Utah Orthopaedic Center, Salt Lake City, UT, 6/14/2007.
14. Shoulder Instability, Department of Physical Medicine and Rehabilitation, University of Utah Orthopaedic Center, Salt Lake City, UT , 8/30/2007.
15. Shoulder Arthritis, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2008.
16. Scapular Fractures, Distal Clavicle Fractures, and the Floating Shoulder. University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2008.
17. Proximal Humerus Fractures. University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2008.
18. Elbow Fractures and Dislocations, Department of Physical Medicine and Rehabilitation, University of Utah Orthopaedic Center, Salt Lake City, UT , 9/18/2008.
19. Preoperative and Postoperative Expectations Surrounding Shoulder Surgery. Utah Chapter, Salt Lake City, UT, 10/2008.
20. Rotator Cuff Disease: Etiology, Diagnosis, Treatment and the Role for Genetic Predisposition. Dixie Regional Hospital Grand Rounds, St. George, UT, 1/23/2009
21. Scapular Fractures, Distal Clavicle Fractures, and the Floating Shoulder. University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2009
22. Complex Elbow Instability, University of Utah Department of Orthopaedics Core Curriculum, University of Utah Hospitals and Clinics, 5/2009
23. Proximal Humerus Fractures. University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2009.
24. Anatomy, Pathophysiology and Natural History of Rotator Cuff Disease, University of Utah Department of Orthopaedics Core Curriculum Conference, University of Utah Hospitals and Clinics, 5/2009.

25. Humeral Shaft and Proximal Humerus Fracture Management. University of Utah Department of Orthopaedics Grand Rounds, 9/2/2009
26. Elbow Fractures and Dislocations, Department of Physical Medicine and Rehabilitation, University of Utah Orthopaedic Center, Salt Lake City, UT , 9/17/2009.
27. Genetics of Rotator Cuff Disease and Tendon Dysfunction. Department of Orthopaedics Grand Rounds, University of Utah School of Medicine, 11/2009
28. Throwing Elbow: Medial Collateral Ligament Insufficiency and Osteochondritis Dissecans, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2010.
29. Shoulder Arthritis, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2010.
30. Humeral Shaft and Proximal Humerus Fracture Management. University of Utah Department of Orthopaedics Grand Rounds, 9/2010.
31. Elbow Fractures and Dislocations, Department of Physical Medicine and Rehabilitation, University of Utah Orthopaedic Center, Salt Lake City, UT , 9/2010.
31. Traumatic Anterior Shoulder Instability, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 11/2010.
32. Shoulder Arthritis: New Concepts in Shoulder Arthroplasty. Department of Orthopedics Grand Rounds, University of Utah School of Medicine, 2/2/2011.
33. Reverse Total Shoulder Arthroplasty Rehabilitation. Utah Physical Therapy Association, 2011 Spring Conference of the UPTA, Lehi, UT 4/8/2011
34. A Dynamic Shoulder Simulator for Evaluation of Kinematics of a Reverse Shoulder Replacement. University of Utah Department of Bioengineering, BIOEN 3091, University of Utah, 4/13/2011.
35. Rotator Cuff Disease, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2010.
36. Traumatic Recurrent Anterior Instability, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2010.
37. Radial Head Fractures and Simple Elbow Dislocations, University of Utah Department of Orthopaedics Sports Medicine Core Curriculum Conferences, University of Utah Hospitals and Clinics, 6/2010.
38. Medial and Lateral Collateral Ligament Insufficiency, Osteochondritis Dissecans of the Elbow and Lateral Epicondylitis, University of Utah Department of Orthopaedics Sports Medicine Core Curriculum Conferences, University of Utah Hospitals and Clinics, 6/2010.
39. Humeral Shaft and Proximal Humerus Fracture Management. University of Utah Department of Orthopaedics Grand Rounds, 8/2011.
40. Humeral Shaft Fractures, Elbow Fractures and Dislocations, Department of Physical Medicine and Rehabilitation, University of Utah Orthopaedic Center, Salt Lake City, UT , 10/2011.
41. Ulnar Collateral Ligament Insufficiency of the Elbow, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 1/2012.

42. Biomechanics of Reverse Total Shoulder Arthroplasty. University of Utah Department of Orthopaedics Grand Rounds, 1/2012.
43. Humeral Shaft and Proximal Humerus Fracture Management. University of Utah Department of Orthopaedics Grand Rounds, 8/2012.
44. Humeral Shaft Fractures, Elbow Fractures and Dislocations, Department of Physical Medicine and Rehabilitation, University of Utah Orthopaedic Center, Salt Lake City, UT , 10/2012.
45. Complex Elbow Dislocations, Univeristy of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2013
46. Medial and Lateral Collateral Ligament Insufficiency of the Elbow, , Univeristy of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 5/2013.
47. Humeral Shaft and Proximal Humerus Fracture Management. University of Utah Department of Orthopaedics Grand Rounds, 8/2013.
48. When Do You Elect To Repair Rotator Cuff Tears? , Univeristy of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 4/2014.
49. Recurrent Anterior Shoulder Instability Univeristy of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 4/2014.
59. Humeral Shaft and Proximal Humerus Fracture Management. University of Utah Department of Orthopaedics Grand Rounds, 8/2014.
60. Humeral Shaft and Proximal Humerus Fracture Management. University of Utah Department of Orthopaedics Grand Rounds, 8/2015.
61. “Missed instability patterns in the elbow, how to recognize and treat”, University of Utah Department of Orthopaedics Grand Rounds, 3/2016.
62. Humeral Shaft and Proximal Humerus Fracture Management. University of Utah Department of Orthopaedics Grand Rounds, 8/2016.
63. “Revision Shoulder Arthroplasty” University of Utah Department of Orthopaedics Grand Rounds, 9/2016.
64. Recurrent Anterior Shoulder Instability Univeristy of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 3/2017.
64. Recurrent Anterior Shoulder Instability Univeristy of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 3/2018.
65. Recurrent Anterior Shoulder Instability Univeristy of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 2/2019.
66. Shoulder Arthritis, University of Utah Department of Orthopaedics Core Curriculum Conferences, University of Utah Hospitals and Clinics, 3/2019.

FACULTY RESEARCH MENTOR AT THE UNIVERSITY OF UTAH

2007 – 2009 Mathew Sardelli, MD (orthopedic resident)- “Functional Elbow Range of Motion”

- 2007 – 2010 Alison Schiffern, MD (orthopedic resident) – “Proximal Radial Drift After Radial Head Resection”
- 2008 – 2009 Julia DeLoach, (Medical student) – “Clinically significant difference of shoulder outcome Scores (ASES score, SST and VAS pain)”
- 2008 – 2010 Todd Clevenger, MD (orthopedic resident) “Biomechanical Evaluation of Anatomic Acromioclavicular Joint Reconstructions with and without Coracoacromial Ligament Transfer.”; “Optimizing Clavicular Allograft Tendon Fixation For Acromioclavicular Joint Reconstructions”
- 2010- 2012 Heath Henniger, Phd - Faculty Advisor for Post-Doctoral Fellow
- 2011-12 Jodi Southam, MD (orthopaedic fellow) “Optimizing Clavicular Allograft Tendon Fixation For Acromioclavicular Joint Reconstructions”
- 2013-14 Amir Abtahi, MD (orthopedic resident)– “Functional outcomes and healing after arthroscopic single row rotator cuff repair with triple loaded suture anchors”; “Early Complications of Subpectoral Biceps Tenodesis Utilizing a Dual Suture Anchor Technique”
- 2013-14 James Wylie, MD (orthopedic resident) “Psychological distress negatively impacts self-assessment of shoulder function in patients with rotator cuff tears.”; “One-year patient-reported outcomes after arthroscopic rotator cuff repair do not correlated with mild to moderate psychological distress”, “Psychometric evaluation of the PROMIS physical function computerized adaptive test in comparison to the American Shoulder and Elbow Surgeons score and Simple Shoulder Test in patients with rotator cuff disease”
- 2013-15 Michael Potter, MD (orthopedic resident) “Psychological distress negatively impacts self-assessment of shoulder function in patients with rotator cuff tears.” , “One-year patient-reported outcomes after arthroscopic rotator cuff repair do not correlated with mild to moderate psychological distress”
- 2013 Daniel T. Lilly (undergraduate student) – “Prevalence and Risk Factors for Venous Thromboembolism After Shoulder Arthroplasty”
- 2013-14 Aaron M. Isaacson (undergraduate student) – “Prevalence and Risk Factors for Venous Thromboembolism After Shoulder Arthroplasty”
- 2014 -15 James T. Beckmann, MD (orthopaedic resident) “Psychometric evaluation of the PROMIS physical function computerized adaptive test in comparison to the American Shoulder and Elbow Surgeons score and Simple Shoulder Test in patients with rotator cuff disease”
- 2017 – 2018 Kortnie Brosckinsky (medical student) – MCID after rotator cuff repair; Cost analysis of TSA and RSA; Kator; Allograft Reconstruction with RSA; Cerclage with unstable RSA
- 2017 – 2018 Sydney Asper (medical student) – Outcomes of arthroscopic instability repair using double loaded anchors
- 2019- 2020 Jeffrey Frandsen (orthopedic resident) – Functional outcomes after short head biceps and Coracobrachialis release in reverse total shoulder arthroplasty; Rotator cuff tear Progression on sequential MRIs