



## Glenn Gaston, MD

### Bio

**P: 704.323.2426**

**Patient Rating:**

4.9 out of 5 Stars

### LOCATIONS

- Brachial Plexus and Limb Paralysis Center
- Hand Center
- Reconstructive Center for Lost Limbs
- South Park

### CLINICAL SPECIALTIES

- Elbow
- Hand
- Trauma
- Wrist

- Hand Fellowship Director - OrthoCarolina Hand Center
- Chief of Hand Surgery -- Atrium Health - Carolinas Medical Center Orthopedic Residency
- NFL Hand/Wrist/Elbow Subcommittee
- Carolina Panthers -- Hand Consultant
- Charlotte Hornets -- Hand Consultant
- Joe Gibbs Racing Team -- Hand Consultant
- Hendrick Motor Sports -- Hand Consultant
- Stewart-Hass Racing -- Hand Consultant
- AO North American Hand Faculty
- NFL Physicians Society
- American Association for Hand Surgery Program Committee (First Assistant Chair 2018)
- American Society for Surgery of the Hand, Hand-e Editorial Board Section Editor
- American Society for Surgery of the Hand Clinical Research and Grantsmanship Committee
- American Society for Surgery of the Hand Clinical Trials and Outcomes Committee
- American Society for Surgery of the Hand Young Leaders Program
- American Society for Surgery of the Hand Young Members Steering Committee, Chairman 2012
- American Society for Surgery of the Hand Resident Education Committee
- Chairman, Oscar Miller Day
- Research Advisory Committee, OrthoCarolina Research Institute

### Education

- **University of Georgia** -- *Bachelor of Science*
- **University of Tennessee at Memphis** -- *Doctor of Medicine*
- **Atlanta Medical Center** -- *Internship*

- **Atlanta Medical Center** -- *Residency*
- **The Indiana Hand Center** -- *Fellowship, Hand & Upper Extremity*

## Practice

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- Specializes in Hand, Wrist and Elbow surgery
- Dr. Gaston is heavily involved in upper extremity research and has received numerous honors, including awards from American Academy of Orthopaedic Surgeons and American Society for Surgery of the Hand. He lectures regularly at both regional and national upper extremity conferences.

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- American Society for Surgery of the Hand
  - Fellow of the American Orthopaedic Association
  - American Academy of Orthopaedic Surgeons
  - AO Trauma
  - Pediatric Hand Study Group
  - American Association for Hand Surgery
  - American Society for Peripheral Nerve
  - Elite Athlete Hand and Wrist Study Group
  - Southeastern Hand Club
  - North Carolina Orthopaedic Association
  - North Carolina Medical Society
  - Phi Beta Kappa
  - Michael Hoke Society
  - Indianapolis Hand Society
  - Mecklenburg County Medical Society

## Awards

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- Named a 2023 Top Doctor by Charlotte Magazine
- 2023 [North Carolina's Top Doctors](#), Charlotte Region, SouthPark Magazine
- 2022 [North Carolina's Top Doctors](#), Charlotte Region, SouthPark Magazine
- Named Top Doctor by Charlotte Magazine -- 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021
- Orthopedic Surgeons to Know (Becker's Orthopedic Review), June 2017
- Named one of the Top 45 Hand Surgeons in the US, by Becker's Orthopedic
- Received a 2015 *Top Achievement* by Charlotte Magazine
- OrthoCarolina Physician of the Year -- 2012

- Faculty Teacher Award -- Atrium Health - Carolinas Medical Center 2009, 2010 & 2014
- AAOS Best Instructional Video -- 2017

## Research

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### Publications

- Bravo D, Gaston RG, Melamed Eitan. "Environmentally-responsible Hand Surgery: Past, Present and Future." *Journal of Hand Surgery*. (In press)
- Gaston RG, Loeffler BJ, Marinello PG. "Steindler Flexorplasty – A Description of Current Technique and Case Series." *Techniques in Hand and Upper Extremity Surgery*. (In press)
- Gaston RG, "Thumb Metacarpophalangeal Ulnar and Radial Collateral Ligament Injuries." *Clinics in Sports Medicine*. (In press)
- Chung KC, Sasor SE, Speth KA, Wang L, Shauver MJ; WRIST Group (Gaston RG). Patient satisfaction after treatment of distal radial fractures in older adults. *J Hand Surg Eur Vol*. 2020 Jan;45(1):77-84. Epub 2019 Oct 4.
- Chung KC1, Malay S, Shauver MJ; WRIST Group (Gaston RG). The Complexity of Conducting a Multicenter Clinical Trial: Taking It to the Next Level Stipulated by the Federal Agencies. *Plast Reconstr Surg*. 2019 Dec;144(6):1095e-1103e
- Gaston RG. "Team Approach: Modern Day Prosthetics in the Mangled Hand." *JBJS Reviews*. July 16, 2019 issue
- Targeted Muscle Reinnervation for Prosthesis Optimization and Neuroma Management in the Setting of Transradial Amputation. Pierrie SN, Gaston RG, Loeffler BJ. *J Hand Surg Am*. 2019 Jun;44(6):525.e1-525.e8. doi: 10.1016/j.jhsa.2018.11.019. Epub 2019 Feb 4. Review. PMID: 30733097
- Chung KC1, Malay S1, Shauver MJ1, Kim HM2; WRIST Group (Gaston RG). "Assessment of Distal Radius Fracture Complications Among Adults 60 Years or Older: A Secondary Analysis of the WRIST Randomized Clinical Trial." *JAMA Network Open*. 2019 Jan 4;2(1):e187053. doi: 10.1001/jamanetworkopen.2018.7053.
- McKnight RR, Gaston RG, Lee SK. "Biomechanical Properties of Nitinol Staples: Effects of Troughing, Effective Leg Length, and Two-Staple Constructs." *Journal of Hand Surgery*. 2018 Oct 18.
- Le M, Lourie G, Gaston R. "Relationship of Surgically Repaired Ulnar Collateral Ligament Injury of the Thumb to the Morphology of the Metacarpophalangeal Joint of the Thumb." *Journal of Hand Surgery (European Volume)*. 2018 Feb;43(2):214-215

- Barber J, Gaston RG, Loeffler BJ, Lourie GM. "Excision of Incomplete Hook of the Hamate Fractures." *Orthopedics* (ORTHO-2018-144R1)
- Ford SE, Andersen JS, Macknet DM, Connor PM, Loeffler BJ, Gaston RG. "Major Complications After Distal Biceps Tendon Repairs: Retrospective Cohort Analysis of 970 Cases." *Journal of Shoulder and Elbow Surgery* 2018 27, 1898-1906
- Bracy J, Loeffler BJ, Gaston RG, Tait M. "A Novel Muscle Transfer for Independent Digital Control of Myoelectric Prosthesis: The Starfish Procedure." *Journal of Hand Surgery* 2018 Jun 13
- Pierrie S, Gaston RG, Loeffler BJ. Current Concepts in Upper Extremity Amputations. *Journal of Hand Surgery* 2018 Jun 2
- Ode G, Loeffler BJ, Chadderdon RC, Haines N, Scannell B, Patt J, Gaston RG. "Wrist Arthroscopy: Can We Gain Proficiency through Knee Arthroscopy Simulation?" *Journal of Surgical Education*. 2018 May 2
- Gaston RG. "Carpometacarpal Arthroplasty Yields Low Revision Rates in Patients Younger than 50 Years." Abstract. *Orthopedics Today*. 2018 April
- Gaston RG, Loeffler BJ: "Introducing the Starfish Procedure." *AAOS Now*. 2018 Mar
- Bean B, Cook S, Loeffler BJ, Gaston RG. "High-Pressure Water Injection Injuries to the Hand May Not Be Trivial." *Orthopedics*. 2018 Jan 25;1-7
- Bell P, Scannell BP, Loeffler BJ, Brighton BK, Gaston RG, Casey V, Peters ME, Frick S, Cannada L, Vanderhave KL. "Adolescent Distal Humerus Fractures: ORIF Versus CRPP." *J Pediatr Orthop* 2017 Dec;37(8):511-520
- Tait MA, Bracey JW, Loeffler BJ, Gaston RG. (Published Abstract) "Targeted Muscle Reinnervation and its Role in Acute Management of Above-Elbow Amputations." *JAAOS* 2017 Sept;25(9)
- Costas B, Coleman S, Kaufman G, James R, Cohen B, Gaston R. "Efficacy and Safety of Collagenase Clostridium Histolyticum for Dupuytren Disease Nodules: A Randomized Controlled Trial." *BMC Musculoskeletal Disorders* 2017 18:374
- Kuremsky M, Habet N, Peindl R, Gaston RG. "Proximity of the Triangular Fibrocartilage Complex to Key Surrounding Structures and Safety Assessment of an Arthroscopic Repair Technique: A Cadaveric Study." *Arthroscopy* 2016 Dec;32(12):2490-2494.
- Tait MA, Bracey JW, Gaston RG. "Acute Scaphoid Fractures: A Critical Analysis Review." *JBJS Reviews* 2016 Sep 20;4(9)pii 01874474-201609000000004.
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- Cook S, Gaston RG, Lourie GM. "Ulnar Nerve Tendon Transfers for Pinch." *Hand Clinics* 2016 Aug;32(3):365-376.
- Gaston RG. "An Update on Upper Extremity Tendon Transfers." *Hand Clinics* 2016 Aug;32(3):xiii.
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- Gaston RG. In reply: "Prospective Multicenter, Multinational Study to Evaluate the Safety and Efficacy of Concurrent Collagenase Clostridium Histolyticum Injections for Two Dupuytren Contractures in the Same Hand." *Journal of Hand Surgery* 2016; 41(6):e157-158.
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- Gaston RG, Larsen SE, Pess GM, Coleman S, Dean B, Cohen B, Kaufman GJ, Tursi JP, Hurst, LC. "Prospective Multicenter, Multinational Study to Evaluate the Safety and Efficacy of Concurrent Collagenase Clostridium Histolyticum Injections for Two Dupuytren Contractures in the Same Hand." *Journal of Hand Surgery* 2015;40(10):1963–1971.
- Woodside J, Ganey T, Gaston RG. "Multiple Osteochondroma of the Hand: Initial and Long Term Follow-up Study." *Hand* 2015 Jun;10(4):616-620.
- Gaston RG, Chadderdon RC. "Management of Complications of Wrist Fractures." *Hand Clinics* 2015 May 31:193-203.
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- Gaston RG, Loeffler, BJ. "Sports-Specific Injuries of the Hand and Wrist." *Clinics in Sports Medicine* 2014. 10.1016/j.csm.2014.09/003
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with Upper and Lower Extremity Orthopedic Trauma.” (Abstract) *Journal of Hand Surgery* September 2014;39(9):e53-e54

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- Gaston RG (PI), \*Wrist and Radius Injury Surgery Trial (WRIST) Study Group. “Reflections One Year into the 21 Center NIH-funded WRIST Study. A Primer on Conducting a Multicenter Clinical Trial.” *Journal of Hand Surgery* 2013 Jun;38:1194-1201
- Guitton TG, Ring D, Gaston RG\* (as part of the Science of Variation Group (SOVG)). “Variation in Recommendation for Surgical Treatment for Compressive Neuropathy.” *Journal of Hand Surgery* 2013 May;38(5):856-62. Epub 2013 Apr 3.
- Malay S, Chung KC, \*Gaston RG et al. [“The Minimal Clinically Important Difference After Simple Decompression for Ulnar Neuropathy at the Elbow](#)

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- Giladi AM, Gaston RG, Haase SC, Hammert WC, Lawton JN, Merrell GA, Nassab PF, Song JW, Yang LJ, Chung KC. “For the Surgery of the Ulnar Nerve Study Group. [Trend of Recovery after Simple Decompression for Treatment of Ulnar Neuropathy at the Elbow.](#)” *Plastic Reconstructive Surgery* 2013 Apr;131(4):563e-73e.
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- Badalamente M, Coffelt L, Elfar J, Gaston G, et al. “Measurement Scales in Clinical Research of the Upper Extremity, Part 2: Outcome Measures in Studies of the Hand/Wrist and Shoulder/Elbow.” *Journal of Hand Surgery* 2013 Feb;38(2):407-12.
- Gaston RG, Chadderdon RC. “Phalangeal Fractures: Displaced/Nondisplaced in Professional Athletes.” *Hand Clinics*, 2012 Aug;28(3):395-401.
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- Frimenko RE, Lievers W, Coughlin MJ, Gaston RG. [“Football Commentary: Phalangeal Fractures-Displaced/Nondisplaced.”](#) *Hand Clinics* 2012 Aug;28(3):407-8.
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- Gaston RG. “Anterior Subcutaneous Transposition of the Ulnar Nerve with Fascial Flap and Complete Excision of the Medial Intermuscular Septum in Cubital Tunnel Syndrome: A Prospective Patient Cohort.” (Abstract) *Yearbook of Hand and Upper Limb Surgery.* Elsevier Mosby, 2012. 138-39
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Tissue Engineered Bioscaffold.” *Journal of Hand Surgery Eur*, 2011 Feb;36(2):130-4.

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- Gaston RG, Kuremsky MA. "Post-Operative Infections: Prevention and Management." *Hand Clinics* 2010;26(2):265-80.
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- Gaston RG, Greenberg JA, Hastings H, H Mih A, Baltera RM. "Clinical Outcomes Scaphoid and Triquetral Excision with Capitulate Arthrodesis versus Scaphoid Excision and Four Corner Arthrodesis." *Journal of Hand Surgery* 2009;34(8):1407-12.
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- Winn JW, Gaston RG, Peljovich AE, Lourie GM. "Distal Condylar Phalangeal Malunions in Children: Long Term Clinical and Radiographic Outcomes." *King Hancock Journal* 2007
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- Gaston RG, Peljovich AE, Lourie GM. "Radial Collateral Ligament Injuries to the Index Finger Metacarpophalangeal Joint." *King Hancock Journal* 2004
- Gaston RG, Cross L. "Use of the Taylor Spatial Frame in the Management of a Chronic Knee Dislocation: A Case Report." *King Hancock Journal* 2003
- Wertman GV, Gaston RG, Heisel WD. "Upper Extremity Injuries in NASCAR Drivers and Pit Crew: An Epidemiological Study." *The Orthopaedic Journal of Sports Medicine*, 4(2), 2325967116629427 DOI: 10.1177/2325967116629427. February 2016

## BOOK CHAPTERS

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- Gaston RG, Kakar S, Daley DN. Revision of Clinics in Sports Medicine- Nuances in the Management of Hand and Wrist Injuries in Athlete. Elsevier. Pending publication
- Gaston RG, Gatt M, Loeffler BJ. Upper Extremity Amputations. Rehabilitation of the Hand and Upper Extremity, 7th Edition. Skirven TM, Osterman AL(eds) Pending publication
- Gaston RG, Case AL, Abzug JM. FDS Transfer for FPL Rupture. Hand Surgery: Tricks of the Trade. Pending publication
- Gaston RG. Upper Extremity Prosthetics and Reconstruction. The American Society for Surgery of the Hand Textbook of Hand and Upper Extremity Surgery, 2<sup>nd</sup> Edition. June 2019 (e-book), Oct 2019 (hardcopy).
- Gaston RG, Loeffler BJ. Nerve transfers for Elbow Function. ASSH Surgical Anatomy: Nerve reconstruction. Dy C and Isaacs. 2017
- Gaston RG. Scaphoid Nonunion Advanced Collapse: Capitulate Arthrodesis. Scaphoid Fractures and Nonunions: A Clinical Casebook. Ed. Yao J. Springer International. 2015. 273-284
- Gaston RG. Contributing Editor: Yearbook of Hand and Upper Limb Surgery. 2012, 2013, 2014, 2015, 2016
- Gaston RG, Haines NM. Proximal Interphalangeal Joint Fractures and Dislocations in the Athlete. The Athlete's Hand and Wrist: A Master Skills

Publication. Eds. Carlson MC, Goldfarb CA. Chicago: American Society for Surgery of the Hand, 2014. 107-13

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- Gaston RG, Lourie GM. Thumb Metacarpophalangeal Joint Collateral Ligament Injuries. Fractures and Dislocations of the Hand and Fingers. Ed. Seitz W. Chicago: American Society for Surgery of the Hand, 2013. 175-87
- Gaston RG, Lourie GM, Floyd WE III. Complications of Intercarpal Fusions. Principles and Practice of Wrist Surgery. Ed. Slutzky DJ. Philadelphia: Saunders, 2010. 383-88
- Gaston RG, Ogden JA. The Biologic Effects of Orthopedic Implants on the Growing Skeleton. Orthopaedic Implants: Application, Complications, and Management. First Edition, 2008

## National & Regional Presentations

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### Podium Presentations:

- Geary MB, Gaston RG, Chadderdon RC. Complications Following Transosseous Repair of Zone 1 Flexor Tendon Injuries. Paper Presentation: AAOS Annual Meeting; 2020 Mar 25; Orlando, FL
- Brigham & Women's Hospital & Massachusetts General Hospital Departments of Orthopaedic Surgery Dual Grand Rounds. 2020 Jan 22-23; Boston, MA
- **Podium presentations:**
  - BWH: Advancements in the Care of Upper Extremity Amputees
  - MGH: Nerve Transfers for all Orthopedic Subspecialties
- American Association for Hand Surgery Annual Meeting; 2020 Jan 8 -11; Fort Lauderdale, FL
  - Jan 8 Mentors Reception and Trivia Contest, Chair
  - Jan 9 Concurrent Scientific Abstract Session III, Moderator
  - Jan10 IC 124. Nerve Transfers versus Tendon Transfers to Restore Upper Extremity Function, Instructor
  - Jan11 IC 202. State of the Art in Neural Interfaces and Prosthetics, Instructor
- John Peter Smith Hospital. 2019 Nov 27; Fort Worth, TX
- **Podium presentations:** Diagnosing ulnar sided wrist pain
  - Upper extremity injuries in NASCAR
  - Advancements in the Management of Upper Extremity Amputees

- Chairman: Spine Pathology & Its Mimickers: From Primary Care to Specialist. Oscar Miller Day; 2019 Oct 4; Charlotte, NC
  - **Podium presentation:** Cervical Radiculopathy vs Peripheral Neuropathy
- American Society for Surgery of the Hand Annual Meeting; 2019 Sept 3-5; Las Vegas, NV
  - **Presentation:** Resident Fellow Review Course, “Ulnar-sided Wrist Pain”
  - Faculty: Arthroplasty of the Hand, Wrist and Elbow – A Cadaveric Skills Pre-course: “Ulnar arthroplasty”
  - Pre-course 12: Athletic Injuries of the Upper Extremity: The Adolescent to the Adult – The Amateur to the Professional. “Fractures of the Hand and Wrist” Program Co-Chair: R. Glenn Gaston, MD
  - Moderator: Solutions Center
- Annual Extremity Summit at Greenbrier Medical Institute; 2019 June 7-9; Greenbrier, WV
- **Podium presentations:** Amputation and Targeted Muscle Reinnervation
  - Nerve Transfers to Restore Shoulder Function
  - Interpositional Arthroplasty of the Elbow
  - Nerve Transfers to Restore Elbow Function
- Physician Assistant Orthopaedic Surgery Association; 2019 May 17; Charlotte, NC
  - **Podium presentation:** Terrible Triad of the Elbow
- Lewis DR, Reid R, Pierrie S, Brannan PS, Loeffler BJ, Gaston RG, Gart MS. The incidence of PTSD and Depression in Adults with Operatively Treated Traumatic Brachial Plexus Palsy; **Podium Presentation:** 64th Annual Meeting of the Plastic Surgery Research Council; 2019 May 2-5; Baltimore, MD
- Seattle Hand Surgery Group 27<sup>th</sup> Annual Dirstine Lectureship Invited Guest Professor. 2019 Apr 25-26; Seattle, WA
- **Podium presentations:** Surgical Innovations for Upper Extremity Amputees
  - The Emerging Role of Nerve Transfers for Brachial Plexus Palsies, Peripheral Nerve Injuries and Tetraplegia
- Select Therapy Upper Extremity Symposium; 2019 Apr 12; Charlotte, NC
  - **Podium presentations:** Advances in the Care of Upper Extremity Amputees
- North Carolina Association of Self Insurers Conference; 2019 Mar 29; Wrightsville Beach, NC
  - **Podium presentation:** TMR / Amputations

- Atrium Department of Orthopaedic Surgery Invited Guest Professors (Gaston & Loeffler) Improving Function for Amputations. 2019 Mar 21; Charlotte, NC
- American Academy of Orthopaedic Surgeons Annual Meeting and ASSH/AAHS Special Day; 2019 Mar 15-16; Las Vegas, NV
  - Instructional course lecture: Mallet Fractures and Fingertip Injuries
  - **Podium presentation:** What is the Role for Targeted Muscle Reinnervation?
- Hand Rehabilitation Foundation 21st Annual Hand Surgery Symposium: Weekend Warrior; 2019 Mar 2-5; Philadelphia, PA
  - Invited Honored Professor
  - **Podium Presentations:**
    - Roll with the Punches: Fracture and Ligament Injuries- Radial Collateral Ligament Injuries: Thumb & Index
    - The 9<sup>th</sup> Inning- Injuries on the NASCAR Circuit
    - Elbow: Throw them a Curve: Anatomy and Biomechanics of the Elbow
- Brown University Invited Guest Professor. 2019 Feb 20; Providence, RI
  - **Podium presentation:** Targeted Muscle Reinnervation and Nerve Injuries
- Gaston RG, Gart MS, Loeffler BJ, Pierrie SN. Targeted Muscle Reinnervation for Prosthesis Optimization and Neuroma Management Following Transradial Amputation
  - **Podium Presentation:** American Association of Hand Surgery Annual Meeting; 2019 Jan 30-Feb 2; Palm Desert, CA
- McKnight RR, Gaston RG, Lewis DR, Tait MA, Bracey JW, Odum S. Retrospective Comparison of Capitulate Fusion Using Headless Compression Screws vs Nitinol Memory Staples for SLAC and SNAC Wrist: Radiographic, Functional, and Patient-Reported Outcomes. Podium Presentation: American Association of Hand Surgery Annual Meeting; 2019 Jan 30-Feb 2; Palm Desert, CA
- Macknet DM, Loeffler BJ, Gaston RG, Marinello PG. Complications of Early Versus Delayed Total Elbow Arthroplasty (TEA) in the Treatment of Distal Humerus Fractures;
  - **Podium Presentation:** American Association of Hand Surgery Annual Meeting; 2019 Jan 30-Feb 2; Palm Desert, CA
- MGC Educational Seminar. 2018 Nov 15; Charlotte, NC
  - **Podium Presentations:** Advances in Amputee Care: Targeted Muscle Reinnervation /and Starfish Procedure

- American Society for Surgery of the Hand Annual Meeting; 2018 Sept 13-15; Boston, MA
- **Podium Presentations:** Pre-course 05. Athletic Injuries of the Upper Extremity: The Adolescent to the Adult- The Amateur to the Professional. Metacarpal Fractures.
  - Moderator & conclusion: R. Glenn Gaston, MD
  - Pre-course 13. Navigating and Decision Making for Complicated Problems: A Case-Based Pre-course
  - Title: Kienbock's IIIB – Anything but Salvage Possible? **Moderator(s): R. Glenn Gaston, MD**
  - Pre-course 14: Controversies in Hand Surgery. The Non-Displaced Scaphoid Waist Fracture **Moderator(s): R. Glenn Gaston, MD**
  - Symposium #: 01. Debates by the Experts. Ulnar impingement – DRUJ arthroplasty.
  - IC10. Upper Extremity Amputations: The Future is Now! Starfish for distal amputees.
  - IC28. New Perspectives on Distal Radius Fractures: Tips and Tricks to Improve Care. Associated Injuries with Distal Radius Fractures: What I Do.
  - IC53. Managing the Osteoporotic Distal Radius Fracture
  - IC68. The Athlete's Elbow: A Balance Between Treatment and Return to Play (Abstract #4092).
  - Fractures around the Athlete's Elbow.
  - Post-course 03. Scaphoid Injuries – State of the Art Management. Percutaneous Fixation – Volar.
- American Academy of Orthopaedic Surgeons Annual Meeting; 2018 Mar 6-10; New Orleans, LA
  - **Instructional lecture:** Treating Hand Fractures: A Case-Based Approach to their Management and the Ability to Treat the Complications that will Inevitably Occur
- Kruse LM, Gaston RG, Chadderdon RC, Loeffler BJ, Lewis DR. Betamethasone versus Ketorolac Injection for the Treatment of De Quervain's Tenosynovitis: A Double-Blind Randomized Clinical Trial.
  - **Podium Presentation:** American Academy of Orthopaedic Surgeons Annual Meeting; 2018 Mar 6-10; New Orleans, LA
- Buck J, Ward AW, Gaul JS, Chadderdon RC, Osier LK, Bracey JW, Tait MA, Gaston RG. Thumb Carpometacarpal Arthroplasty in Young Patients.
  - **Podium Presentation:** American Academy of Orthopaedic Surgeons Annual Meeting; 2018 Mar 6-10; New Orleans, LA

- Costas B, Coleman S, Kaufman G, James R, Cohen B, Gaston RG: Paper 51: A Randomized Phase 2A, Double-Blind, Placebo-Controlled, Dose-Ranging Study to Evaluate the Safety and Effectiveness of Collagenase Clostridium Histolyticum (CCH) in the Treatment of Dupuytren's Disease Nodules. (Abstract): Australian Hand Surgery Society; 2018 Feb; Perth, Western Australia
- American Society for Surgery of the Hand Electives in Hand Surgery Meeting; 2018 Jan 26-27; New Orleans, LA
  - **Podium Presentations:** An Algorithmic Approach to Diagnosing Ulnar Sided Wrist Pain
  - Ulnar Impaction – Diagnosis and Treatment
  - The Management of Acute Flexor Tendon Injuries
  - Targeted Muscle Reinnervation
- Gaston RG, Ford Se, Andersen JS, Macket DM, Connor PM, Loeffler BJ. Major Complications after Distal Biceps Tendon Repairs: a Retrospective Cohort Analysis of 925 Cases. (Abstract-podium presentation) American Association for Hand Surgery Annual Meeting; 2018 Jan 10-13; Phoenix, AZ
- New Horizons in Hand and Upper Extremity Surgery. Oscar Miller Day; 2017 Oct 6; Charlotte, NC
  - **Podium Presentations:** Start Your Engines, Injuries in NASCAR
  - A Paradigm Shift in Managing Peripheral Nerve Injuries: Nerve Transfers
  - The Starfish Procedure for Partial Hand Amputations
- American Society for Surgery of the Hand Annual Meeting; 2017 Sept 7-9; San Francisco, CA
- **Podium Presentations:** Precourse 12. Nerve Repair and Reconstruction: Hands-On Cadaveric Laboratory. Nerve Transfers for Elbow Function
  - Symposium 01. Optimizing Outcomes: The Surgeon's Role in Fragility Fracture Care. Considerations in the Surgical Treatment of Fragility Fractures
  - IC08. Publicizing Your Research: Getting Your Message Out (Moderator is Ryan Calfee)
  - Symposium 06. Game-Changing Surgeries for Amputees that Every Hand Surgeon Can Perform. Interosseal Transfers for Partial and Total Hand Amputees: The Starfish Procedure
  - IC41. Treatment of Basal Joint Arthritis: Is anything better than the "old fashioned" LRTI? (Moderator is Louis Catalano) Treatment of Basal Joint Arthritis: Is anything better than the "old fashioned" LRTI?

- IC55. Exploring the Boundaries of Wrist Arthroscopy (Moderator is A. Lee Osterman) Exploring the Boundaries of Wrist Arthroscopy
- ICR 15. Hand Injuries in the Athlete Hand Injuries in the Athlete (case reviews)
- Symposium 15. Salvage of the Distal Radioulnar Joint: From Native Tissue to Metal and Plastic, How and What to Choose. Ulnar Head Implant Replacement – Constrained (Schecker)
- American Society for Surgery of the Hand Wrist Course; 2017 Apr 28-29; Denver, CO
  - Podium presentations: Dorsal Plate Indications/Techniques/Complications
  - Acute SL
  - Chronic SL
- Atrium Health - Carolinas Medical Center Arthritis: Can I still win with an LRTI? AAOS Specialty Day; 2017 Mar 18; San Diego, CA
- Tait MA, Bracey JW, Roulette P, Lewis DR, Gaston RG, Loeffler BJ. Infection Rates in Open Hand Fractures: Can Treatment Be Delayed?
  - **Podium Presentations:** American Association of Hand Surgery Annual Meeting; 2017 Jan 10-14; Waikoloa, HI
  - American Academy of Orthopedic Surgeons Annual Meeting; 2017 Mar 14-18; San Diego, CA
- Tait MA, Osier LK, Odum S, Gaston RG, Loeffler BJ, Chadderdon RC, Ward AW. Lymphadema Following Elective Hand and Wrist Surgery in Women who are Post Axillary Lymph Node Dissection: A Prospective, Cohort Study. Podium Presentation. American Association of Hand Surgery Annual Meeting; 2017 Jan 10-14; Waikoloa, HI
- Gaston RG (Co-Chair). Targeted Muscle Reinnervation (TMR). OrthoCarolina Bread, Butter and Beyond: A Course on Peripheral Nerve and Soft Tissue Reconstruction of the Upper Extremity. OrthoCarolina; 2016 Nov 19; Charlotte, NC
- Gaston RG, Moran S. Debate: TMR vs Transplantation. OrthoCarolina Bread, Butter and Beyond: A Course on Peripheral Nerve and Soft Tissue Reconstruction of the Upper Extremity. OrthoCarolina; 2016 Nov 19; Charlotte, NC
- American Society for Surgery of the Hand Annual Meeting; 2016 Sept 28-Oct 1; Austin, TX
  - **Podium Presentations:** Ulnar-sided Wrist Pain (Resident Review Course)
  - Precourse 4. Elbow Trauma Reconstruction. Trochlea and Capitellar Shear Fractures.



- Course Co-Chairman
- Precourse 5. Clinical research. Perspectives on Conducting Research in a Private Practice
- Precourse 10. Tendon and Nerve Transfers for Ulnar Neuropathy. Ulnar Pinch Plasty
- ICL15. DRUJ Instability. Open Repair of TFC Tears Associated with Instability
- Precourse 11. Arthroscopy of the Upper Extremity: Tips and Tricks from the Fingers to Elbow.
- Scaphoid AARIF
- IC 24. Salvage of the DRUJ – from Native Tissue to Metal and Plastic, how and what to choose.
- Ulnar Head Implant Replacement Constrained (Schecker); Indications, Outcomes, Personal Experience and Surgical Tips
- IC34. Clinical Research 101: A Crash Course for Meaningful Investigation.
- Successful Reporting: Presentation and Publication
- ICL 35. Hand-e 2016 - What is New and How to Get the Most From It.
- What is in Hand-e and How to Find it
- Post Course 2. Ulnar Sided Wrist Pain. TFCC repair: ECU Subsheath Reconstruction
- IC50. Exploring the Boundaries of Wrist Arthroscopy. Wrist Arthroscopy Use during Fracture Treatment
- Ward AW, Osier LS, Lewis DR, Loeffler BL, Chadderdon RC, Gaston RG. Lymphedema Following Elective Hand and Wrist Surgery in Women who are Post Axillary Lymph Node Dissection: A Prospective, Cohort Study. Abstract-#2: American Society for Surgery of the Hand Annual Meeting; 2016 Sept 29; Austin, TX
- Steve Lee, MD, Glenn Gaston, , Jeffrey Yao, MD, Mark Ross, FRACS,,, Salvage of the DRUJ – from Native Tissue to Metal and Plastic, how and what to choose? Abstract #4058: American Society for Surgery of the Hand Annual Meeting; 2016 Sept 30; Austin, TX
- Costas B, Coleman S, Kaufman G, James R, Cohen B, Gaston RG: Paper 51: A Randomized Phase 2A, Double-Blind, Placebo-Controlled, Dose-Ranging Study to Evaluate the Safety and Effectiveness of Collagenase Clostridium Histolyticum (CCH) in the Treatment of Dupuytren's Disease Nodules. (Abstract): American Society for Surgery of the Hand Annual Meeting; 2016 Oct 1; Austin, TX

- Hammert W, Smith G, Gaston RG, Lee S, Shafritz A. Hand-e 2016 - What is New and How to Get the Most From It Abstract #4089: American Society for Surgery of the Hand Annual Meeting; 2016 Sept 30, Austin, TX
- Gaston RG. Its Just Tendonitis. Problems after Trigger and Dequervains Surgery. American Society for Surgery of the Hand Specialty Day; 2016 Mar 5; Orlando, FL
- Gaston RG. American Society for Surgery of the Hand Electives in Hand Surgery; 2016 Jan 29-30; New Orleans, LA
  - **Podium presentations:** Ulnar Impaction – Diagnosis and Treatment
  - An Algorithmic Approach to Surgical Treatment of Ulnar Sided Wrist Pain
  - Flexor Tendon Injuries
  - Extensor Tendon Injury and Repair
- Gaston RG. An Algorithmic Approach to Correctly Diagnosing Ulnar-Sided Wrist Pain. OrthoCarolina Wrist Course: Focus on Techniques in Wrist Arthroplasty and DRUJ. 2015 Nov 14; Charlotte, NC
- Ode G, Loeffler B, Chadderdon R, Haines N, Scannell B, Patt J, Gaston RG. Knee Arthroscopy simulation Training: Does it translate to Improved Arthroscopic Proficiency in the Wrist?
  - **Podium Presentation:** North Carolina Orthopaedic Association. 2015 Oct 9-11; Kiawah Island, SC
- Gaston RG. American Society for Surgery of the Hand Annual Meeting; 2015 Sept 8-12; Seattle, WA
  - **Podium presentations:** Resident and Fellow Review Course in Hand Surgery. Scapholunate ligament tears
  - Resident and Fellow Review Course in Hand Surgery. TFCC/DRUJ
  - Precourse 3. Failed Cubital Tunnel Decompression-Identifying the Cause(s) with a Treatment Algorithm
  - Precourse 5. Sensory Nerve Transfers for Median and Ulnar Nerve Function – Peripheral Nerve Reconstruction.
  - Precourse 10. The Difficult DRUJ
  - Precourse 10. Midcarpal Fusion
  - IC10. Ulnar Head Implant Replacement-Constrained (Schecker): Indications, Outcomes, Personal Experience and Surgical Tips
- Ode G, Loeffler B, Chadderdon R, Haines N, Scannell B, Patt J, Gaston RG. Knee Arthroscopy simulation Training: Does it translate to Improved Arthroscopic Proficiency in the Wrist?
  - **Poster presentation:** American Society for Surgery of the Hand; 2015 Sept 10-12; Seattle, WA

- Brannan P, Gaston RG, Lewis D, Loeffler B. Complications with the Use of BMP-2 in Scaphoid Nonunion Surgery. Paper #13: American Society for Surgery of the Hand Annual Meeting; 2015 Sept 11; Seattle, WA
- Lee S, Kakar S, Gaston RG, Yao J. Salvage of the DRUJ – From Native Tissue to Metal and Plastic, How and What to Choose? Abstract #6061: American Society for Surgery of the Hand Annual Meeting; 2015 Sept 10; Seattle, WA
- Badalamente MA, Hurst LC, Gaston RG, Brown RA, Tursi JP, Smith T. Prospective Multicenter, Multinational Study to Evaluate the Safety and Efficacy of Concurrent Collagenase Clostridium Histolyticum Injections for Two Dupuytren Contractures in the Same Hand. International Symposium on Dupuytren's Disease; 2015 May 22-23; Groningen, The Netherlands
- Gaston RG. American Society for Surgery of the Hand Annual Meeting; 2014 Sept 18-20; Boston, MA
  - **Podium presentations:** Advanced Wrist Arthroscopy: Techniques, Pearls and Case Discussion
  - Revision Peripheral Nerve Surgery...When and How
- Shores J, Bosse M, Reider L, MacKenzie E, Gaston RG. A Prospective Multi-Center Registry of Peripheral Nerve Injuries Associated with Upper and Lower Extremity Orthopedic Trauma. Abstract podium presentation: American Society for Surgery of the Hand Annual Meeting; 2014 Sept 18-20; Boston, MA
- Hurst L, Gaston RG, Brown R. et al. Multicenter, Multinational Study to Evaluate the Safety and Efficacy of Concurrent Collagenase Clostridium Histolyticum Injections to Treat Multiple Dupuytren's Contractures. Abstract podium presentation: American Society for Surgery of the Hand Annual Meeting; 2014 Sept 18-20; Boston, MA
- Gaston RG. American Society for Surgery of the Hand: What Every Hand Surgeon Should Know About the Wrist: Distal Radius, Carpus and Ulnar-sided Wrist Pain Hand; 2014 May 3-4; Austin TX
  - **Podium presentations:** Acute & Chronic SL tears
  - Distal Radius Dorsal Plating
- Gaston RG. Subluxating ECU Tendon: Dorsal Transposition. American Society for Surgery of the Hand/AAHS Specialty Day, American Academy of Orthopaedic Surgeons Annual Meeting; 2014 Mar 11-15; New Orleans, LA
- Gaston RG. American Society for Surgery of the Hand Electives in Hand Surgery; 2014 Feb 7-8; New Orleans, LA
  - **Podium presentations:** PIP Joint Injuries
  - Ulnar Impaction: Diagnosis and Treatment

- Algorithmic Approach to the Surgical Treatment of Ulnar-sided Wrist Pain
  - Management of Wrist and Forearm Fractures in Athletes
- Gaston RG. Common Bone and Tendon Injuries in the Athletic Hand. OrthoCarolina Athletic Injuries of the Elbow, Wrist and Hand; 2014 Jan 18; Charlotte NC
- Gaston RG. Arthroscopic Treatment of Ulnar Impaction and Wrist Arthritis. Arthroscopy Association of North America Annual Meeting; 2013 Nov 8; Las Vegas, NV
- Gaston RG. Instructional Course Lecture -Revision Peripheral Nerve Surgery. American Society for Surgery of the Hand Annual Meeting; 2013 Oct 2-5; San Francisco, CA
- Colantoni J, Gaston RG, Patt J. Multiple Osteochondromatosis of the Hand- A Natural History Study. American Society for Surgery of the Hand Annual Meeting, San Francisco, CA, 2013 Oct 2-5; San Francisco, CA
- Gaston RG. American Society for Surgery of the Hand: Comprehensive Care of the High Level Athlete; 2013 May 3-4; Chicago, IL
  - **Podium presentations:** Pitfalls in Managing Phalangeal Fractures and PIP Joint Injuries
  - FDP Avulsions
- Gaston RG. Arthroscopic Resection of the Distal Ulna. Arthroscopy Association of North America Annual Meeting, November 9, 2012
- Gaston RG. Hammert WC. How to Become Involved in the American Society for Surgery of the Hand, American Society for Surgery of the Hand Annual Meeting Young Members Forum; 2012 Sept 4-8. Chicago, IL
- Gaston RG. Phalangeal Fractures. American Society for Surgery of the Hand Annual Meeting; 2012 Sept 4-8; Chicago, IL
- Gaston RG. Restoration of Pinch. American Society for Surgery of the Hand Masters Techniques in Tendon Repair and Reconstruction; 2012 Aug 3-4; Chicago, IL
- Ward A, Gaston RG, Boatright JB. Midterm Results of Total Wrist Arthroplasty. 1<sup>st</sup> Combined Meeting American Society for Surgery of the Hand/Australian Hand Society; 2012 Mar; Kauai, Hawaii
- Gaston RG. 1<sup>st</sup> Combined Orthopedic Pathology Course for Adult and Pediatric Hand and Wrist Conditions; 2011 Mar 9-12; Santiago, Chile
  - **Podium presentations:** Madelung's Deformity
  - ECU Tendonopathy and Instability
  - Elbow Capsular Releases
  - What's New in Hand Arthroplasty
- - Wrist Arthroplasty

- Gaston RG. Unique Hand and Wrist Injuries in Athletes. Oscar Miller Day; 2010 Oct; Charlotte, NC
- Gaston RG. American Society for Surgery of the Hand Annual Meeting; 2010 Oct; Boston MA
  - Precourse: Controversies in Hand Surgery – What Works and What Doesn't
  - **Podium presentation:** Chronic Scapholunate Dissociation: New Techniques
- Gaston RG, Lourie GM: Anomalous Thenar Musculature Associated with Aberrant Median Nerve Motor Branch Takeoff. American Academy of Orthopaedic Surgeons Annual Meeting; 2010 Mar; New Orleans, LA
- Gaston RG. TFCC Tears What Needs to be Repaired and Why. American Society for Surgery of the Hand Electives in Hand Surgery Course; 2010; New Orleans, LA
  - **Podium presentations:** Arthroplasty of the DRUJ- Ablative Procedures
  - ECU Tendonosis and Instability
  - Arthroscopic Debridement
  - TFCC Tears: What Needs to be Repaired and Why
- Gaston RG, Puckett B, Lourie GM, Peljovich AE, Floyd WE III. Remodeling Potential of Phalangeal Distal Condylar Malunions in Children.
  - **Podium presentation:** American Society for Surgery of the Hand Annual Meeting; 2009 Sept; San Francisco, CA.
  - **Podium presentation:** American Academy of Orthopaedic Surgeons Annual Meeting; 2010; New Orleans, LA
- Gaston RG. Restoration of Pinch. American Society for Surgery of the Hand Masters Techniques in Tendon Repair and Reconstruction; 2009; Chicago, IL
- Capo J, Kuremsky M, Gaston RG. Sesamoid fractures of the lesser digits. American Society for Surgery of the Hand Annual Meeting Residents and Fellows Conference; 2009 Sept; San Francisco, CA
- Gaston RG, Cates TF, Blanco JB. Crossed Pin Versus Lateral Pin Fixation for Type III Supracondylar Fractures in Children: A Prospective, Randomized Study.
- American Academy of Orthopaedic Surgeons Annual Meeting, 2007 Feb; San Diego, CA
- Pediatric Orthopaedic Society of North American Annual Meeting; 2007; Hollywood, FL
- Gaston RG, Greenberg JA, Hastings H, Mih A, Baltera RM. Clinical Outcomes of Four Corner Versus Isolated Capitulum Fusions

- **Podium presentations:** American Society for Surgery of the Hand Annual Meeting; 2007; Seattle, WA
  - Tri-State Annual Meeting; 2007; Indianapolis, IN
- Gaston RG, Swick MJ, Floyd WE III, Lourie GM: Pisotriquetral Dysfunction Following Wrist and Intercarpal Arthrodesis.
  - **Podium presentations:** American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL, March 2006
  - American Society for Surgery of the Hand, Annual Meeting, Residents and Fellows Conference San Antonio, TX, 2005
- Gaston RG, Peljovich AE, Lourie GM: Radial Collateral Ligament Injuries to the Index Finger Metacarpophalangeal Joint
  - **Podium presentation:** Georgia Orthopaedic Society Annual Meeting, Greensboro, GA, 2004
- Gaston RG, Ganey T, Ogden JA: Facet Independence in the Posterior Vertebral Column. International Research Society for Spinal Deformities Annual Meeting, Vancouver, Canada, 2004

## **POSTER AND VIDEO THEATER PRESENTATIONS**

- Cohen-Tanugi S, **Gaston RG**, Loeffler BJ, Reid R. Prevalence of Depression and PTSD in Adults with Traumatic Upper Extremity Amputations. E-Poster: AAHS Annual Meeting; 2020 Jan 8-11; Fort Lauderdale, FL
- Geary MB, **Gaston RG**, Chadderdon RC. Complications Following Transosseous Repair of Zone 1 Flexor Tendon Injuries. E-Poster: AAHS Annual Meeting; 2020 Jan 8-11; Fort Lauderdale, FL
- Geary MB, **Gaston RG**, Chadderdon RC. Complications Following Transosseous Repair of Zone 1 Flexor Tendon Injuries. iPoster: American Society for Surgery of the Hand Annual Meeting; 2019 Sep 5-7; Las Vegas, NV
- Pierrie SN, **Gaston RG**, Gart MS, Loeffler BJ. Targeted Muscle Reinnervation for Prosthesis Optimization and Neuroma Management Following Transradial Amputation; Poster: American Academy of Orthopaedic Surgery Annual Meeting; 2019 Mar 12-16; Las Vegas, NV
- Macknet DM, Loeffler BJ, **Gaston RG**, Marinello PG. Complications of Early Versus Delayed Total Elbow Arthroplasty (TEA) in the Treatment of Distal Humerus Fractures; Paper Presentation: American Academy of Orthopaedic Surgery Annual Meeting; 2019 Mar 12-16; Las Vegas, NV  
I-poster: American Society for Surgery of the Hand Annual Meeting; 2019 Sep 5-7; Las Vegas, NV

- Kaluf B, Smith C, Gart MS, **Gaston RG**, Loeffler BJ. Evaluating the Ability of Congenital Upper Extremity Amputees to Control a Multi-Degree of Freedom Myoelectric Prosthesis; Abstract Presentation: American Academy of Orthotists and Prosthetists Annual Meeting; 2019 Mar 6-9; Orlando, FL
- Lewis DR, Reid R, Pierrie S, Brannan PS, Loeffler BJ, **Gaston RG**, Gart MS. The Incidence of PTSD and Depression in Adults with Operatively Treated Traumatic Brachial Plexus Palsy; e-Poster: American Association of Hand Surgery Annual Meeting; 2019 Jan 30-Feb 2; Palm Desert, CA
- Marinello PG, Loeffler BJ, **Gaston RG**, Lewis DR. Celebrating 100 Years of the Steindler Flexorplasty - A Systematic Review of Literature, Description of Current Technique, and Outcomes. e-Poster: American Association of Hand Surgery Annual Meeting; 2019 Jan 30-Feb 2; Palm Desert, CA  
I-Poster: American Society for Surgery of the Hand Annual Meeting; 2018 Sep 13-15; Boston, MA
- Susan M. Odum, PhD; R Christopher Chadderdon, MD; **Glenn Gaston, MD**. Measuring Health Utility for Trigger Finger and Carpometacarpal Arthritis: Does the Instrument Matter? e-Poster: American Association of Hand Surgery Annual Meeting; 2019 Jan 30-Feb 2; Palm Desert, CA
- McKnight RR, **Gaston RG**, Lewis DR, Tait MA, Bracey JW, Odum S. Retrospective Comparison of Capitulum Fusion Using Headless Compression Screws vs Nitinol Memory Staples for SLAC and SNAC Wrist: Radiographic, Functional, and Patient-Reported Outcomes. I-Poster: American Society for Surgery of the Hand Annual Meeting; 2018 Sep 13-15; Boston, MA
- Ford SE, Andersen JS, Macknet DM, Connor PM, Loeffler BJ, **Gaston RG**. Pseudoelastic Nitinol Compression Element. Poster Presentation: American Academy of Orthopaedic Surgeons Annual Meeting; 2018 Mar 6-10; New Orleans, LA
- **Gaston RG**, Ford SE, Andersen JS, Macknet DM, Connor PM, **Loeffler BJ**. Major Complications after Distal Biceps Tendon Repairs: a Retrospective Cohort Analysis of 925 Cases. Poster presentation: American Academy of Orthopaedic Surgeons Annual Meeting; 2018 Mar 6-10; New Orleans, LA
- Brannan PS, Ward WA, Gaston RG, Woodside JC, Chadderdon RC, Connell B. 2-year Clinical and Radiographic Outcomes of Aptis Distal Radioulnar Joint Arthroplasty. (Electronic Poster) American Association for Hand Surgery Annual Meeting; 2018 Jan 10-13; Phoenix, AZ
- Ford S, Cook S, **Gaston RG**. Video Theater 8001: Huber Transfer for Opposition in Thumb Hypoplasia. American Society for Surgery of the



Hand Annual Meeting; 2017 Sept 7-9; San Francisco, CA *Awarded Best Video Theater*

- **Gaston RG**, Chadderdon RC, Loeffler BJ, Lewis DR; Odum S.  
Betamethasone versus Ketorolac Injection for the Treatment of De Quervain's Tenosynovitis: A Double-Blind Randomized Clinical Trial.  
American Society for Surgery of the Hand Annual Meeting; 2017 Sept 7-9; San Francisco, CA
- **Gaston RG**, Cook S, Tait MA, Bracey JW, Bean B: iPoster 050: High Pressure Water Injection Injuries to the Hand: Perhaps Not a Benign Injury.  
American Society for Surgery of the Hand Annual Meeting; 2017 Sept 7-9; San Francisco, CA
- **Gaston RG**, Ward AW, Gaul JS, Chadderdon RG, Osier LK, Bracey JW, Odum S. iPoster 038: Thumb Carpometacarpal Arthroplasty in Young Patients. American Society for Surgery of the Hand Annual Meeting; 2017 Sept 7-9; San Francisco, CA
- **Gaston RG**, Tait MA, Bracey JW, Gaul JS, Loeffler BJ. E-Poster: High Pressure Water Injection Injuries to the Hand: Perhaps Not a Benign Injury. American Association of Hand Surgery Annual Meeting; 2017 Jan 10-14; Waikoloa, HI
- **Gaston RG**, Tait MA, Bracey JW, Lewis DR, Loeffler BJ. E-Poster: Comparison of Early Outcomes and Complications of Scaphoid Excision and Capitulum Arthrodesis with Screws Versus Staples; American Society for Surgery of the Hand Annual Meeting; 2016 Sept 28-Oct 1; Austin, TX AAHS Annual Meeting; 2017 Jan 10-14; Waikoloa, HI
- **Gaston RG**. E-Poster 151: The Incidence of PTSD and Depression in Adults with Operatively Treated Traumatic Brachial Plexus Palsy; American Society for Surgery of the Hand Annual Meeting; 2016 Sept 28-Oct 1; Austin, TX
- **Gaston RG**, Loeffler BJ, Tait MA, Bracey JW. Video Theater 8052: Targeted Muscle Reinnervation and Its Role in Acute Management of Above Elbow Amputations; American Society for Surgery of the Hand Annual Meeting; 2016 Sept 28-Oct 1; Austin, TX AAOS Annual Meeting; 2017 Mar 14-18; San Diego, CA *Awarded Top Video*
- **Gaston RG**. Video Theater 8046: TFCC All Inside Repair with FasT-Fix; American Society for Surgery of the Hand Annual Meeting; 2016 Sept 28-Oct 1; Austin, TX
- **Gaston RG**, Hamid N, Odum, S: (Poster #P276), "A Validation Study of Patient Reported Outcome Measures for Patients with Upper Extremity Morbidity" American Academy of Orthopaedic Surgeons Annual Meeting;

2016 Feb 29-Mar 5; Orlando, FL

- Ode G, Loeffler B, Chadderdon R, Haines N, Scannell B, Patt J, **Gaston G**. Knee Arthroscopy simulation Training: Does it translate to Improved Arthroscopic Proficiency in the Wrist?
- Electronic abstract presentation: Combined Meeting of the American Association of Hand Surgery Annual and British Society for Surgery of the Hand; 2015 Jan 21-24; Paradise Island, Bahamas Poster presentation: American Society for Surgery of the Hand; 2015 Sept 10-12; Seattle, WA
- Robinson E, Gaston RG. Surgical Setting and Cost Effectiveness in Trigger Finger Release. E-Poster: American Society for Surgery of the Hand Annual Meeting; 2014 Sept 18-20; Boston, MA
- Scannell B, Gaston RG, Frick S, Casey V: Adolescent Supracondylar Humerus Fractures: Multi-Center Study of Management and Outcomes. E-Poster presentation: Pediatric Orthopaedic Society of North America Annual Meeting; 2014 Apr 30-May 3; Hollywood CA
- Colantoni J, Gaston RG, Patt J: Multiple Osteochondromatosis of the Hand- A Natural History Study. Poster presentation and Hand & Wrist Guided Poster Tour: American Academy of Orthopaedic Surgeons Annual Meeting; 2014 Mar 11-15; New Orleans, LA
- Brar R, Owen J, Melikian R, Gaston RG, Wayne JS, Isaacs JE. Flexor Digitorum Profundus Reconstruction: A Cadaveric Comparison of Three Techniques. Poster presentation: Orthopaedic Research Society Annual Meeting; 2014 Mar 15-18; New Orleans, LA
- Isaacs J, Brar R, Gaston RG, Melikian R, Owen J, Wayne J: Flexor Digitorum Profundus Avulsions: A Cadaveric Comparison of Three Reconstructive Techniques. Electronic poster presentation: American Association for Hand Surgery Annual Meeting; 2014 Jan 8-11; Kauai, Hawaii
- Hemendinger M, Gaston RG et al: The Carolinas Neuromuscular/ALS-MDA Center Tissue Biorepository: Current Procedures Versus Published Guidelines. Poster presentation: 23rd International Symposium on ALS/MND, December 2012
- Loeffler B, Gaston RG, Frick S. Management and Outcomes of Adolescent Supracondylar Humerus Fractures. Poster presentation: Orthopedic Trauma Association Annual Meeting; 2012 Oct 4-6
- Kuremsky M, Gaston RG: All-Inside Arthroscopic Triangular Fibrocartilage Complex Repair: Relationship of Key Structures. Poster presentation: American Society for Surgery of the Hand Residents and Fellows Conference; 2009 Sept; San Francisco, CA

- Gaston RG, Ward A, Krempek J. Intermediate Term Results of Total Wrist Arthroplasty. Poster presentation: American Society for Surgery of the Hand Annual Meeting; 2009 Sept; San Francisco, CA
- Koo B, Gaston RG, Lourie GM: Relationship of Surgically Repaired Ulnar Collateral Ligament Injury of the Thumb to the Morphology of the Metacarpophalangeal Joint of the Thumb. Poster presentation: American Society for Surgery of the Hand Residents and Fellows Conference; 2009 Sept; San Francisco, CA
- Lourie GM, Gaston RG, Peljovich AE, Marshall JJ. Anomalous Thenar Musculature Associated with Aberrant Median Nerve Motor Branch Take-off. Poster presentation: American Society for Surgery of the Hand Annual Meeting; 2008 Sept; Chicago, IL
- Puckett B, Lourie GM, Gaston RG: A New Technique in Managing Recurrent Cubital Tunnel. Poster presentation: American Society for Surgery of the Hand Residents and Fellows Conference; 2008 Sept; Chicago, IL
- Gaston RG, Greenberg JA, Hastings H, Mih A, Baltera RM. Clinical Outcomes of Four Corner Versus Isolated Capitulum Fusions. St. Vincents Research Day; 2007; Indianapolis, IN
- Gaston RG, Swick MJ, Floyd WE III, Lourie GM. Pisotriquetral Dysfunction Following Wrist and Intercarpal Arthrodesis. Poster presentation: American Orthopedic Association Annual Meeting; 2007; Asheville, NC. Poster presentation: Georgia Orthopedic Society; 2005; Greensboro, GA
- Gaston RG, Peljovich AE, Lourie GM. Radial Collateral Ligament Injuries to the Index Finger Metacarpophalangeal Joint. American Society for Surgery of the Hand Annual Meeting; 2004; New York, NY

## COURSE FACULTY

American Association for Hand Surgery Annual Meeting; 2020 Jan 8 -11; Fort Lauderdale, FL

Jan 8 Mentors Reception and Trivia Contest, Chair

Jan 9 Concurrent Scientific Abstract Session III, Moderator

Jan10 IC 124. Nerve Transfers versus Tendon Transfers to Restore Upper Extremity Function, Instructor

Jan11 IC 202. State of the Art in Neural Interfaces and Prosthetics, Instructor

Chairman: Spine Pathology & Its Mimickers: From Primary Care to Specialist.

Oscar Miller Day; 2019 Oct 4; Charlotte, NC

Podium presentation: Cervical Radiculopathy vs Peripheral Neuropathy

American Society for Surgery of the Hand Annual Meeting; 2019 Sept 3-5; Las Vegas, NV

Presentation: Resident Fellow Review Course, "Ulnar-sided Wrist Pain"

Faculty: Arthroplasty of the Hand, Wrist and Elbow – A Cadaveric Skills Pre-course: "Ulnar arthroplasty"

Pre-course 12: Athletic Injuries of the Upper Extremity: The Adolescent to the Adult – The Amateur to the Professional. "Fractures of the Hand and Wrist"

Program Co-Chair: R. Glenn Gaston, MD

Moderator: Solutions Center

Hand Rehabilitation Foundation 21st Annual Hand Surgery Symposium:

Weekend Warrior; 2019 Mar 2-5; Philadelphia, PA

Faculty

Co-Chairman: American Association for Hand Surgery Annual Meeting; 2019

Jan 30 – Feb 3; Palm Desert, CA

Instructional course: Transplant versus Neural Controlled Prostheses

Hands on Cadaver Workshop – Wrist Arthritis

American Society for Surgery of the Hand Annual Meeting; 2018 Sept 13-15; Boston, MA

Podium Presentations:

Pre-course 05. Athletic Injuries of the Upper Extremity: The Adolescent to the Adult- The Amateur to the Professional. Metacarpal Fractures. Moderator & conclusion: R. Glenn Gaston, MD

Pre-course 13. Navigating and Decision Making for Complicated Problems: A Case-Based Pre-course

Title: Kienbock's IIIB – Anything but Salvage Possible? Moderator(s): R. Glenn Gaston, MD

Pre-course 14: Controversies in Hand Surgery. The Non-Displaced Scaphoid Waist Fracture. Moderator(s): R. Glenn Gaston, MD

Symposium #: 01. Debates by the Experts. Ulnar impingement – DRUJ arthroplasty.

IC10. Upper Extremity Amputations: The Future is Now! Starfish for distal amputees.

IC28. New Perspectives on Distal Radius Fractures: Tips and Tricks to Improve Care. Associated Injuries with Distal Radius Fractures: What I Do.

IC53. Managing the Osteoporotic Distal Radius Fracture

IC68. The Athlete's Elbow: A Balance Between Treatment and Return to Play (Abstract #4092).

Fractures around the Athlete's Elbow.

Post-course 03. Scaphoid Injuries – State of the Art Management. Percutaneous Fixation – Volar.

Resident Review Course

Consultation Corner

Hand Rehabilitation Foundation 20th Annual Hand Surgery Symposium: Call to Arms; 2018 Mar 24-26; Philadelphia, PA

Faculty

Co-Chairman: American Society for Surgery of the Hand Electives in Hand Surgery; 2018 Jan 26-17; New Orleans, LA

American Association for Hand Surgery Annual Meeting; 2018 Jan 10-13; Phoenix, AZ

Faculty

MedStar Georgetown Orthopaedic Surgery Grand Rounds Visiting Professor; 2017 Nov 15-16

Co-Chairman: New Horizons in Hand and Upper Extremity Surgery. Oscar Miller Day; 2017 Oct 6; Charlotte, NC

American Society for Surgery of the Hand Annual Meeting; 2017 Sept 7-9; San Francisco, CA

Faculty:

Precourse 12: Nerve Repair and Reconstruction: Hands-On Cadaveric Laboratory

Symposium 01: Optimizing Outcomes: The Surgeon's Role in Fragility Fracture Care

IC08: Publicizing Your Research: Getting Your Message Out

Clinical Consultation Corner

Symposium 06: Game-Changing Surgeries for Amputees that Every Hand Surgeon Can Perform

IC41: Treatment of Basal Joint Arthritis: Is anything better than the "old fashioned" LRTI?

IC55: Exploring the Boundaries of Wrist Arthroscopy

ICR15: Hand Injuries in the Athlete Hand Injuries in the Athlete (case reviews)

Moderator: Clinical Paper Session 11: Elbow/Shoulder

Symposium 15: Salvage of the Distal Radioulnar Joint: From Native Tissue to Metal and Plastic, How and What to Choose

University of Utah HSC. Visiting Professor; 2017 May 17

Emory University and Atlanta Orthopaedic Society. Visiting Professor; 2017 May 11-12

American Society for Surgery of the Hand Wrist Course; 2017 April 28-29; Denver, CO

Advances in Total Elbow Arthroplasty. Duke University Medical Center Department of Orthopaedic Surgery; 2017 Apr 22; Durham, NC

Advancements in Upper Extremity Care. Philadelphia Hand Club Meeting. Invited Guest Speaker; 2017 Feb 1; Philadelphia, PA

Co-Chairman: OrthoCarolina Bread, Butter and Beyond: A Course on Peripheral Nerve and Soft Tissue Reconstruction of the Upper Extremity. OrthoCarolina; 2016 Nov 19; Charlotte, NC

Chairman: AO North America Hand and Wrist Fracture Workshop; 2016 Oct 15; Charlotte, NC

Chairman. American Society for Surgery of the Hand Electives in Hand Surgery; 2016 Jan 29-30; New Orleans, LA

Hand Fractures and Dislocations Panel Discussion

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Q & A – Moderator: Universal Hand Problems Facing Therapists and Surgeons

Panel Discussion / Q & A / Case Studies – Moderator: Ulnar Sided Wrist Conditions

Opening remarks: Elbow and Shoulder

American Society for Surgery of the Hand Annual Meeting; 2016 Sept 28-Oct 1; Austin, TX

Co-Chair:

Precourse 4: Elbow Trauma Reconstruction Lab

ICR14: Hand Injuries in the Athlete

IC50: Exploring the Boundaries of Wrist Arthroscopy

Faculty:

Precourse 5: Sustained Research

Resident and Fellow Review Course in Hand Surgery

Precourse 10: Tendon and Nerve Transfers Lab

Precourse 11: Arthroscopy of the Upper Extremity

IC15: Distal Radioulnar Joint Instability

IC24: Salvage of the DRUJ

IC34: Clinical Research 101

IC35: Hand-e 2016

Postcourse 02: Ulnar Sided Wrist Pain and ECU: Anatomic Stabilization, Sling

Greenbrier Research Summit; 2016 June 4; Greenbrier, WV

OrthoCarolina/Trimed Upper Extremity Cadaver Course; 2016 Apr 16; Charlotte, NC

American Society for Surgery of the Hand/AAHS Specialty Day, American Academy of Orthopaedic Surgeons Annual Meeting; 2016 Mar 5; Orlando, FL

OrthoCarolina Wrist Course: Focus on Techniques in Wrist Arthroplasty and DRUJ; 2015 Nov 14; Charlotte, NC



Chair

American Society for Surgery of the Hand Annual Meeting; 2015 Sept 8-12;  
Seattle, WA

Faculty: Resident and Fellow Review Course in Hand Surgery (Scapholunate  
ligament tears; TFCC/DRUJ)

Faculty: Consultation Corner

Faculty: Nerve Transfer Lab

Duke Review Course; 2015 Apr 17-18; Wilmington, NC

Moderator

Philadelphia Annual Surgery Symposia; 2015 Mar 7-9; Philadelphia, PA

Panelist: Tread Lightly: Fractures from the Dark Side of the Hand

Panelist: Scaphoid Controversies: Has that Ship Sailed?

Panelist: Pediatric Elbow Injuries

Biomet Masters Elite Education Series; 2014 Nov 14; Miami FL

Course Instructor

Smith & Nephew Masters Hand & Wrist Arthroscopy Course; 2014 Nov 8;  
Charlotte, NC

Course Faculty

American Society for Surgery of the Hand Annual Meeting; 2014 Sept 18-20;  
Boston, MA

Moderator / Paper Discussor: Clinical Paper Session #11: Scaphoid / Carpus

Atlanta Medical Center King Hancock Research Day. Invited Guest Professor;  
2014 Jun 6

American Society for Surgery of the Hand: What Every Hand Surgeon Should  
Know About the Wrist: Distal Radius, Carpus and Ulnar-sided Wrist Pain Hand;  
2014 May 3-4; Austin TX

American Society for Surgery of the Hand/AAHS Specialty Day, American  
Academy of Orthopaedic Surgeons Annual Meeting; 2014 Mar 11-15; New  
Orleans, LA

Moderator Sports Symposium

American Society for Surgery of the Hand Electives in Hand Surgery; 2014  
Feb7-8; New Orleans, LA

Arthroscopy Association of North America Annual Meeting; 2013 Nov 8; Las  
Vegas, NV

American Society for Surgery of the Hand Annual Meeting; 2013 Oct 2-5; San  
Francisco, CA

Master Skills Precourse Lab: [Tendon Repair and Reconstruction](#)

American Society for Surgery of the Hand Annual Meeting; 2013 Oct 2-5; San  
Francisco, CA

Course Faculty

[Management of the Difficult Elbow: Fix It or Replace It](#)

Presented by Biomet, Inc. Labs

American Society for Surgery of the Hand Annual Meeting; 2013 Oct 2-5; San  
Francisco, CA

American Society for Surgery of the Hand: Comprehensive Care of the High  
Level Athlete; 2013 May 3-4; Chicago, IL

Session 4 Moderator

Elite Trauma Symposium; 2013 Feb 8-9; Miami, FL

Lab Course Instructor

Presented by Biomet, Inc. Labs

Arthroscopy Association of North America Annual Meeting; 2012 Nov 9

American Society for Surgery of the Hand Annual Meeting Young Members  
Forum; 2012 Sept 4-8; Chicago, IL

Course Chairman

American Society for Surgery of the Hand Precourse 4: Treatment of Hand and  
Wrist Injuries in Elite Athletes; 2012 Sept 4-8; Chicago, IL

Panel discussion: Scaphoid Fractures

Panel discussion: Phalangeal Fractures

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American Society for Surgery of the Hand Masters Techniques in Tendon Repair and Reconstruction; 2012 Aug 3-4; Chicago, IL

Laboratory instructor: Tendon transfers

American Society for Surgery of the Hand Annual Meeting; 2011 Sept; Las Vegas NV

1<sup>st</sup> Combined Orthopedic Pathology Course for Adult and Pediatric Hand and Wrist Conditions. Invited International Guest Professor; 2011 Mar 9-12; Santiago, Chile

Oscar Miller Day; 2010 Oct; Charlotte, NC

Course Chairman

American Society for Surgery of the Hand Electives in Hand Surgery Course; 2010; New Orleans, LA

American Society for Surgery of the Hand Masters Techniques in Tendon Repair and Reconstruction; 2009; Chicago, IL

Laboratory instructor: Tendon transfers

## RESEARCH AWARDS

- American Academy of Orthopaedic Surgeons Award Winning Movie: Gaston RG, Loeffler BJ, Tait MA, Bracey JW. Targeted Muscle Reinnervation and Its Role in Acute Management of Above Elbow Amputations; American Academy of Orthopaedic Surgeons Annual Meeting; 2017 Mar 14-18; San Diego, CA
- Best Papers (Top 4): Gaston RG, Osier LK, Loeffler BJ, Chadderdon RC, Ward AW, Hammert WC, Chung KC, Wolf JM: Paper #2: "Lymphedema Following Elective Hand and Wrist Surgery in Women who are Post Axillary Lymph Node Dissection: A Prospective, Cohort Study" American Society for Surgery of the Hand Annual Meeting, Sept 2016
- Puckett B, Lourie GM, Gaston RG: A New Technique in Managing Recurrent Cubital Tunnel.
- Poster presentation: American Society for Surgery of the Hand Residents and Fellows Conference, 2008.
- 1<sup>st</sup> place poster presentation, American Society for Surgery of the Hand, 2008
- A New Biomaterial for Thumb Ulnar Collateral Ligament Reconstruction. Joseph H. Boyes Award, Second Runner Up, Podium presentation:

American Society for Surgery of the Hand Annual Meeting Residents and Fellows Conference, 2006

- 1<sup>st</sup> Place, Outstanding Resident Research, Atlanta Medical Center King Hancock Research Day. 2006
- Gaston RG, Cates TF, Blanco JB: Crossed Pin Versus Lateral Pin Fixation for Type III Supracondylar Fractures in Children: A Prospective, Randomized Study. Thomas E. Whitesides Award for Most Outstanding Resident Research Paper, Georgia Orthopaedic Society, 2006
- Pisotriquetral Arthritis Following Wrist and Intercarpal Arthrodesis. 1st Place Outstanding Resident Research, Atlanta Medical Center King Hancock Research Day, 2005 Gaston RG, Murawski DE, Peljovich AE, Lourie GM: The Triggering Digit. First Place: American Academy of Orthopaedic Surgeons Resident's Case Authoring Contest, 2004
- Radial Collateral Ligament Injuries to the Index Finger Metacarpophalangeal Joint. Thomas E. Whitesides Award for Most Outstanding Resident Research Paper, Georgia Orthopaedic Society, 2004
- Most Outstanding Paper, Southeastern Hand Club, 2004

## GRANTS

**Title:** A Multi-Institutional Prospective Observational Study on Nerve Repair and Reconstruction Associated with Major Extremity Trauma (METRC)

Grant: \$2,491,232 (9/30/2015-9/29/2019)

Principal investigators: Gaston RG, Shores J

2015 Department of Defense Congressionally Directed Medical Research Programs (CDMRP) Peer Reviewed Orthopaedic Research Project (PRORP) Award Recipient.

American Society for Surgery of the Hand (2010) Clinical Grant \$20,000

Lymphedema Following Elective Hand and Wrist Surgery in Women Who Are Post Axillary Lymph Node Dissection: A Prospective, Randomized, Clinical Trial

WRIST Study, NIH Funded prospective, multi-center, randomized study looking at the results of ORIF vs. ex-fix vs. CRPP for distal radius fractures in the elderly. Lead investigator is Dr. Kevin Chung. Dr. Glenn Gaston serves as the OrthoCarolina site P.I.

## Team

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- Clinical – Dawn
- Surgery Scheduler – Tonya Houston
- Administrative Assistant/Fellowship Coordinator – Lori Davis
- Xiaflex Coordinator – Robin 704-323-3171
- Congenital Hand / Brachial Plexus / Upper Extremity AMPutee Clinic  
Coordinator – Angela Whidbee, 704-323-3053