

David Michael Gloystein, MD
The Hughston Clinic
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EDUCATION

Fellowship **The Maryland Spinal Reconstructive Surgery Fellowship in Towson, MD under Paul C. McAfee, Ira Fedder, John Seftor, P. Justin Tortolani ■**
July 2008-July 2009

Residency **Orthopaedic Surgery Department, Madigan Army Medical Center ■**
July 2004-June 2008

Internship **Department of Surgery, Madigan Army Medical Center ■** July 2003-June 2004

Medical School **University of Texas Medical School at San Antonio ■** June 1999-June 2003 Doctor of Medicine.

Undergraduate **United States Military Academy, West Point, NY ■** June 1995
Bachelor of Science. Field of Study: Life Sciences (Premed), Minor:
Mechanical Engineering

CERTIFICATIONS AND LICENSES

ABOS Board Certified and Fellow. July 21, 2011
Recertification through WLA pathway through 2031

AOA Fellow, American Orthopaedic Association 2023-Present

Physician Licenses Alabama #42119 Feb 2021 to present
Georgia #71342 Feb 2014 to present
South Carolina #36398. No longer active. 2013 to 2019
Nebraska #22952. No longer active. 2004 to 2016
Texas #N4431. No longer active. 2009 to 2015
Washington #60230439. No longer active. 2011-2014
Maryland #D66974. No longer active. 2008-2010.

DEA FG7019917 Columbus, GA Expires 09/2025
FG9970698 Dothan, AL Expires 09/2025
FG4703852 Fee Exempt Military Expired 09/2023

NPI 1619947413

ORGANIZATION MEMBERSHIPS

Fellow	American Academy of Orthopaedic Surgery (AAOS)
Fellow	American Orthopaedic Association (AOA)
Member	North American Spine Society (NASS)
Member	Orthopaedic Trauma Association (OTA)
Member	AO North America/AO Spine
Member	Georgia Orthopaedic Society
Member	Alabama Orthopaedic Society

EDUCATION POSITIONS

Program Director	The Hughston Clinic Orthopaedic Spine Fellowship, Columbus, GA ■ Aug 2024-present
Program Director	The Hughston Clinic Orthopaedic Residency Program at Jack Hughston Memorial Hospital, Phenix City, AL ■ Aug 2023-present
Assistant Professor	Sam Houston State University College of Osteopathic Medicine, Huntsville, TX ■ June 2024-present
Core Faculty	Hughston Clinic Orthopaedic Residency ■ May 2021-July 2023
Manuscript Reviewer	Global Spine Journal ■ 2020
Program Director	Dwight D. Eisenhower Army Medical Center Orthopaedic Residency ■ Sep 2013 to Feb 2019
Assistant Professor	Uniformed Services University of Health Sciences (USUHS)
Teaching Faculty	Augusta University (MCG) Orthopaedic Program ■ Aug 2017 to 2019
Teaching Faculty	University of South Carolina Orthopaedic Program ■ Feb 2014 to 2019
Teaching Faculty	AO Spine North America ■ Sep 2012 to present. Served 3 year term on education committee 2016-2019
Teaching Faculty	Madigan Army Medical Center Orthopaedic Residency Program ■ 2010
Teaching Faculty	Brooke Army Medical Center Orthopaedic Residency Program ■ Aug 2009 to Jul 2013

Assistant Professor Baylor Physician Assistants Orthopaedic Program ■ Sep 2010 to June 2013

WORK HISTORY

Jan 1, 2023—present Chief of Surgery, Jack Hughston Memorial Hospital, Phenix City, AL

Jan 1, 2023—present Chief of Surgery, Piedmont Northside Columbus Regional Hospital, Columbus, GA

Feb 1, 2021—present Hughston Clinic, Private Practice, Columbus, GA

2019-2020 Most senior spine surgeon, US Army; Chief, spine surgery service, Eisenhower Army Medical Center.

2017-2019 Atlantic Region Consultant to Army Surgeon General for Orthopaedic Surgery

2013-2019 Program Director, Orthopaedic Residency at Dwight D. Eisenhower Army Medical Center (AMC)

2012-2013 Chief, Orthopaedic and Spine Surgery Service, Carl R. Darnall AMC Medical Director, Department of Orthopaedics and Rehabilitation, CRDAMC

2009-2011 Staff Surgeon, Carl R. Darnall Army Medical Center (CRDAMC), Fort Hood, TX.

Locum Tenens Augusta University, Augusta, GA Spine and Ortho Level 1 Trauma call August 2017 to June 2019.

Palmetto Health Richland Hospital Level 1 Trauma Call, Columbia, SC 2014 to 2019.

Taylor Regional Hospital, Hawkinsville, GA 2015 to 2017.

Tift Regional Medical Center Tifton, GA 2015 to 2017

Independent Medical Exams (IME) Washington State 2011-2013.

Christus Spohn Shoreline Hospital Corpus Christi, TX. January 2010.

Nacogdoches Memorial Hospital, TX January 2011.

Honduras Medical Mission deployment to Tegucigulpa for hand and trauma mission

September 14-27, 2019

- Afghanistan General Orthopaedic Surgeon. 936th Forward Surgical Team. April-July 2016, Helmand Province.
- Iraq General Orthopaedic Surgeon. 28th Combat Support Hospital. April-October 2010, Tallil Airbase.

AWARDS

- Staff 2018 AO Spine Regional Educator of the Year Award in North America ■ Awarded May 2019
- Internship Louise House Award for Best poster with military significance at Society of Military Orthopaedic Surgeons (SOMOS) annual meeting ■ December 2003
- High School Eagle Scout awarded 1988

EXTRACURRICULAR ACTIVITIES/MEMBERSHIPS

- Medical School Elective, Orthopaedic Sports Medicine ■ 2001
Member, Orthopaedic Surgery Club ■ 1999-2002
- Undergraduate Health Professions Society Club ■ 1992-1995
Department of Physical Education Athletic Trainer ■ 1993-1994
Division IA football ■ 1991-1992
- Present Fellow of the American Academy of Orthopaedic Surgeons (FAAOS)
Orthopaedic Trauma Association (OTA) member
North American Spine Society (NASS) member
Society of Military Orthopaedic Surgeons (SOMOS) member
- Volunteer Scoutmaster Boy Scout Troop 620 ■ 2015 to 2020
Assistant Scoutmaster Troop 620 ■ 2013 to 2014
Assistant Coach Pop Warner Pee Wee ■ 2013 to 2014
Cubmaster Cub Scout Pack ■ 2011-2013
Den Leader Cub Scouts ■ 2009-2011

AO TEACHING/EDUCATION EVENTS

- Jan 15, 2024 Faculty, AO Spine NA Online Series—Spine Case Consult Series
- June 24, 2023 Faculty, AO Spine NA Seminar—Part II ABOS Oral Board Review
- Apr 3, 2023 Presenter, AO spine Case Consult Series Webinar

Jan 18, 2023	Moderator, AO Spine Webinar: Arthroplasty vs Fusion in the Cervical Spine
Jan 16, 2023	Faculty, AO Spine Online Series—Spine Case Consult Series
Oct 28, 2022	Faculty, Principles and Treatment of Spinal Disorders for Residents
July 18, 2022	Moderator, AO Spine Online Series, Spine case consult series
Oct 6, 2021	Moderator, AO Spine Webinar—Treatment of Cervical Radiculopathy
Oct 2020	Moderator, AO Spine Webinar: Treatment of Multi-level Cervical Stenosis
Sep-Oct 2020	Education Advisor, Virtual Fellows 6 week course
Sep 2020	Virtual Fellows Course Zoom Live Event: Cervical Radiculopathy
June 2019	Oral Board Review Course, Philadelphia, PA
Apr 2019	Moderator, AO Spine Webinar: Discitis and Osteomyelitis
Feb 2019	Education Advisor, Principles and Treatment of Spinal Disorders for Residents
Oct 2018	Co-chair, Principles and Treatment of Spinal Disorders for Residents
Sep 2018	Teaching Faculty, Controversies for Fellows (Cadavers) Course
Sep 2018	Teaching Faculty, Practice Essentials for Fellows
Jan 2018	Moderator, Webinar for Cervical Arthroplasty: Modern Outcomes Data and Indications
Nov 2017	Teaching Faculty, Controversies for Fellows
Nov 2017	Teaching Faculty, Practice Essentials for Fellows
Nov 2017	LEP Training
Jun 2017	Oral Board Review Course Faculty
Mar 2017	Faculty, 15 th Annual Fellows Forum
Oct 2015	Faculty, Spine Principles for Residents III
Sep 2015	Faculty, Controversies for Fellows Course
Feb 2015	FEP Training
Jan 2015	Faculty, Spine Principles for Residents Course

PUBLICATIONS

Journal

Griffith MS, Shaw KA, Burke BK, Jackson KL, Gloystein DM. Post-Operative Radiculitis Following One or Two Level Anterior Lumbar Spine With or Without Posterior Instrumentation. *J Orthop.* 2021 Apr 2;25:45-52. doi: 10.1016/j.jor.2021.03.023. eCollection 2021 May-Jun. PMID: 33927508

Gloystein DM, Heiges BA, Schwartz DG, DeVine, JG, Spratt D. Innovative Technology System to Prevent Wrong Site Surgery and Capture Near Misses: A Multi-Center Review of 487 Cases. October 23, 2020. *Frontiers in Surgery.* 7:563337. <https://doi.org/10.3389/fsurg.2020.563337>. PMCID: PMC7644953.

DeVine, JG, Chutkan N, **Gloystein DM**, Jackson KL. An Update on Wrong-Site Spine Surgery. Vol. 10(1S) 41S-44S. January 6, 2020. *Global Spine Journal.* <https://doi.org/10.1177%2F2192568219846911>

Griffith M, Shaw KA, Baird M, Rushford P, Shaw V, Roberts A, **Gloystein DM**. Defining the Normal Trends of Serum Creatine Kinase Levels Following Spinal Surgery. January 24, 2019. *Asian Spine Journal.* PMID: 30669826 <https://doi.org/10.31616/asj.2018.0191>

Shaw KA, Griffith M, Shaw V, DeVine JG, **Gloystein DM**. Harvesting Autogenous Cancellous Bone Graft from the Anterior Iliac Crest. *JBJS Essential Surgical Techniques.* July 11, 2018. 8(3): e20. <https://doi.org/10.2016/JBJS.ST.17.00068>

Shaw KA, Griffith M, Mottern ET, **Gloystein DM**, Devine JG. Preventing Construct Subsidence Following Cervical Corpectomy: The Bump-Stop Technique. *Asian Spine Journal.* Vol 12, Issue 1, pp 156-161. Feb 2018. <https://doi.org/10.4184/asj.2018.12.1.156>

Shaw KA, Parada SA, **Gloystein DM**, DeVine JG. The Science and Clinical Applications of Placental Tissues in Spine Surgery. *Global Spine Journal.* Vol 8, Issue 6, pp 629-637. January 2018. <https://doi.org/10.1177/2192568217747573>

Chaput, C, Haile NB, Muzumdar, AM, **Gloystein DM**, Zerris VA, Tortolani PJ, Rahm M, Moldavsky M, Chinthakunta S, Khalil, S. Anterior Fixation of Floating Facet Fractures in the Cervical Spine: A Prospective Case Series and Biomechanical Analysis. *Int J Spine Surg.* Vol 12, Issue 1, pp 85-91. Jan 1, 2018. <https://doi.org/10.14444/5014>.

Mustovich A, Shaw KA, Griffith MS, DeVine JG, **Gloystein DM**. Thoracic disc herniation with concomitant lumbar spinal stenosis resulting in epidural compression syndrome in a renal transplant patient. *Journal of Spine and Neurosurgery.* Vol 6, Issue 2, pp1-4. April 2017. <https://doi.org/10.4172/2325-9701.1000262>

Parada, SA, Shaw KA, Eichinger JK, Boykin NT, **Gloystein DM**, Ledford CL, Arrington ED, Weise PT. The Weise Knot: A Sliding-Locking Arthroscopic Knot. *Arthroscopic Techniques*. Vol 6, Issue 1, pp 21-24. January 2017. <https://doi.org/10.1016/j.eats.2016.8.032>

Chaput CD, **Gloystein DM**, Rahm M, Muzumdar AM, Moldavsky M, Chinhakunta S, Khalil S. Biomechanical and Early Clinical Results of Stand-Alone Anterior Cervical Fixation for Rotationally Unstable Facet Fractures. *The Spine Journal*. Vol 12, Issue 9, Supplement pp S30-31. September 2012. <https://doi.org/10.1016/j.spinee.2012.08.101>

Goff BJ, Walker GA, **Gloystein DM**. Combat Soldier Loads: Implications for cumulative overuse injuries and chronic pain. *PM&R*. Vol 3, 183-5. February 2011. <https://doi.org/10.1016/j.pmrj.2010.10.024>

Hutchinson HL, **Gloystein DM**, Gillespie MJ. Distal biceps tendon insertion: An anatomic study. *Journal of Shoulder and Elbow Surgery*. Vol 17, Issue 2, pp342-6. March 2008. <https://doi.org/10.1016/j.jse.2007.05.005>

Wetzler MJ, Rubenstein DL, Gillespie MJ, Schenck RC, **Gloystein DM**. Shoulder injuries in swimmers: Why they develop, how to treat them. *Journal of Musculoskeletal Medicine*. Vol 19, No 9. September 2002.

Online Media

Shaw KA, Boomsma SE, Johnson PC, **Gloystein DM**. Hemodialysis-Associated Spondylodiscitis of the Cervical Spine. *JBJS Case Connect*, 2015 Oct 28; 5 (4): e90. <https://doi.org/10.2106/JBJS.CC.O.00037>

Gloystein DM, Tortolani PJ, Stambough JL, Clouse EK: Complications of Spine Surgery: Surgical Site Infections. American Academy of Orthopaedic Surgeons Web site: *Orthopaedic Knowledge Online* 2010;8(7): <http://www5.aaos.org/oko/page.cfm?topic=SPI037>. Accessed May 25, 2010.

Book Chapter

McAfee PC, **Gloystein DM**, Cunningham B. Failed disc replacement. *Rothman-Simeone: The Spine*. Ed. 6. Chapter 100. Elsevier Feb 2011.

Gloystein DM, Gillespie MJ, Schenck RC. The effects of medications in sports injuries. *DeLee and Drez's Orthopaedic Sports Medicine: Principles and Practice*. Ed. 2. WB Saunders. Jan 2003.

PRESENTATIONS

- Webinar
Gloystein, DM, Heiges BA, Schwartz DG, DeVine JG, Spratt D. Innovative Technology System to Prevent Wrong Site Surgery and Capture Near Misses. A Multi-center Review of 487 cases. The Safety in Spine Surgery Conference ■ April 29, 2021
- Posters
Griffith M, Shaw KA, **Gloystein DM**. Post-operative hamstring tightness following anterior lumbar interbody fusion. SOMOS 60th Annual Meeting ■ December 2018.
- Shaw KA, Boomsma SE, Johnson PC, **Gloystein DM**. Hemodialysis-Associated Osteomyelitis of the Cervical Spine. SOMOS 56th Annual Meeting ■ December 2014.
- Gloystein DM**, Cunningham BW, McAfee PC. A comprehensive analysis of 80 cases of failed cervical instrumentation: comparison of revision to fusion versus arthroplasty—total of 142 operative levels. IMAST 16th Annual Meeting ■ July 2009.
- Gloystein DM**, Devine J. Cervical disc replacement in active duty personnel: outcomes in a prospective, randomized US IDE trial. Madigan Army Medical Center Research Day ■ Apr 2008.
- Hutchinson, H, **Gloystein DM**, Gillespie MJ. Distal Biceps Tendon Insertion: an anatomic study. Mid-America Orthopaedic Association ■ April 2005.
- Gloystein DM**, Devine J. Injuries in a Combat Airborne Jump: 173rd Airborne Brigade Night Jump into Iraq. Society of Military Orthopaedic Surgeons (SOMOS) ■ December Meeting 2004.
- Hutchinson, H, **Gloystein DM**, Gillespie MJ. Distal Biceps Tendon Insertion: an anatomic study. Society of Military Orthopaedic Surgeons (SOMOS) ■ December Meeting 2003.
- Podium
Gloystein DM. Stand-Alone Cervical Devices: Is the Convenience Worth the Higher Implant Cost and Lower Reimbursement? Augusta Spine Symposium ■ May 2019.
- Baird MD, Mustovich AT, Shaw KA, **Gloystein DM**. Anterior, Submandibular approach for high cervical discectomy. SOMOS 60th Annual Meeting ■ Dec 2018.
- Barber S, DeVine J, **Gloystein D**, Buchanan D, Lissy D. Comparison of Static Testing per ASTM F2077 Using a Constrained, Semi-Constrained and Unconstrained Test Setup. NASS 33rd Annual Meeting ■ Sep 2018

Gloystein DM, Cunningham BW, McAfee PC. A comprehensive analysis of 80 cases of failed cervical instrumentation: comparison of revision to fusion versus arthroplasty—total of 142 operative levels. SAS 9th Annual Meeting ■ April 2009.

Gloystein DM, Devine J. Cervical disc replacement in active duty personnel: outcomes in a prospective, randomized US IDE trial. Madigan Orthopaedic Alumni and Research Day ■ 3rd Annual Meeting April 2008.

Gloystein DM, Devine J. Cervical disc replacement in active duty personnel: outcomes in a prospective, randomized US IDE trial. Society of Military Orthopaedic Surgeons (SOMOS) ■ December Meeting 2007.

Gloystein DM, Devine J. Magnetic Resonance Imaging of adjacent segments after total disc arthroplasty. Madigan Orthopaedic Alumni and Research Day ■ 2nd Annual Meeting April 2007.

Gloystein DM, Ferguson R, Caskey P. Congenital Dislocation of the Hip: A Long Term Follow up Shiners Hospital Spokane. Society of Military Orthopaedic Surgeons (SOMOS) ■ December Meeting 2006.

Gloystein DM, Ferguson R, Caskey P. Congenital Dislocation of the Hip: A Long Term Follow up Shiners Hospital Spokane. Smith and Nephew 21st Annual Resident Research Competition ■ Aug 2006.

Gloystein DM, Ferguson R, Caskey P. Congenital Dislocation of the Hip: A Long Term Follow up Shiners Hospital Spokane. Madigan Research Day ■ May 2006.

Gloystein DM, Grassbaugh J, Arrington E, Gillespie MJ. PCL Tunnel Lengths: An Anatomic Study. Madigan Orthopaedic Alumni and Research Day ■ 1st Annual Meeting April 2006.

Gloystein DM, Grassbaugh J, Arrington E, Gillespie MJ. PCL Tunnel Lengths: An Anatomic Study. American Academy of Orthopaedic Surgeons (AAOS) ■ Annual Meeting 2006.

Gloystein DM, Grassbaugh J, Arrington E, Gillespie MJ. PCL Tunnel Lengths: An Anatomic Study. Society of Military Orthopaedic Surgeons (SOMOS) ■ December Meeting 2005.

Gloystein DM, Devine J. Injuries in a Combat Airborne Jump: 173rd Airborne Brigade Night Jump into Iraq. Madigan Army Medical Center Research Day ■ May 2004.

Hutchinson, H, **Gloystein DM**, Gillespie MJ. Distal Biceps Tendon Insertion: an anatomic study. Madigan Army Medical Center Research Day ■ May 2003.

MILITARY

United States Army Retired. 22 years, 3 months served. Made promotion list for **Colonel prior to retirement. Last rank worn: Lieutenant Colonel.**

Commissioned 2nd Lieutenant, Corps of Engineers ■ **June 3, 1995**
Captain, Medical Corps ■ **June 2003**

Unit 326th Engineer Battalion, 101st Airborne Division (AASLT) Ft Campbell, KY

Positions **Executive Officer**, A Co, 169th Engineer Battalion, 1st Engineer Training Brigade ■ Aug 1995 – Sept 1995
Platoon Leader/Task Force Engineer, A Co, 3rd Platoon, Combat Engineer Company ■ July 1996 – May 1997
Aviation Brigade Engineer, 101st Aviation Brigade ■ May 1997 – Jan 1998
Executive Officer, 887th Engineer Company (LE) ■ Jan 1998 – Nov 1998
Assistant Battalion Operations Officer for Training, 326th Engineer Battalion ■ Nov 1998 – June 1999

Schools Captain's Career Course ■ Nov 2010
Combat Casualty Care Course ■ Mar 2004
Nuclear, Biological, and Chemical Defense Course ■ Sep 1996
Airborne School ■ June 1996
U.S. Army Ranger School ■ May 1996
Engineer Officer Basic Course ■ Feb 1996
Master Fitness Trainer ■ June 1995
Air Assault School ■ July 1993

Deployments MEDRETE Orthopaedic and Hand surgery mission Tegucigulpa, **Honduras** ■ 2019
Operation Resolute Support Helmand Province **Afghanistan** ■ 2016
Operation Iraqi Sovereignty and Operation New Dawn Tallil, **Iraq** ■ 2010
Joint Task Force Six (JTF-6) Mission along Rio Grande River, Candalaria, TX. Built roads for the U.S. Border Patrol ■ 1998
Emergency Deployment Readiness Exercise to Mayport, Florida ■ 1998
National Training Center (NTC), Fort Irwin, Ca. ■ 1998
Joint Readiness Training Center (JRTC) Fort Polk, La. (3) ■ 1997-1998

Awards Meritorious Service Medal with 3 bronze Oak Leaf Clusters (OLC)
Army Commendation Medal with 1 bronze OLC
Army Achievement Medal with one silver and four bronze OLC (10 total awards)

National Defense service ribbon (two awards)
Global War on Terrorism service medal
Army Service ribbon
Armed Forces Service Ribbon
Afghanistan Campaign Medal with one campaign star
Iraq Campaign Medal with two campaign stars
Outstanding Volunteer Service Ribbon
NATO Service Ribbon