

CURRICULUM VITAE

Adult Hip and Knee Reconstructive Surgery
Brian T. Palumbo, M.D.
6/2024

Business Address

13020 Telecom Parkway N
Temple Terrace, Florida
33637-0925

Business Telephone

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Executive Assistant

Victoria Suarez
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License Information

Florida Medical License # MEL 115727

Board Certifications

American Board of Orthopaedic Surgery- Aug 2015
400 Silver Cedar Ct
Chapel Hill, NC 27514
Telephone (919) 929- 7203

Employment History

Co-Founder, President and Chief Medical Officer of Actuos Medical, LLC
March 2022 to Present

Florida Orthopaedic Institute
Department Hip and Knee Reconstruction
Attending Physician for Adult Reconstruction Fellowship
and Assistant Professor for the University of South Florida Department of Orthopaedics
13020 Telecom Parkway N
Temple Terrace, FL 33637-0925
Contact: Thomas Bernasek, M.D.
Contact Telephone (813) 978-9700
08/01/2013 to current

United States Air Force
Special Operations Command
Hurlburt Field Air Base, Fort Walton Beach, FL 32544
06/01/1997 – 06/01/2001
Honorable Discharge

Faculty/Leadership Appointments

01/23 to present- Member of Advent Hospital Carrollwood OR Efficiency Committee Chairman

8/1/21 to present- Florida Orthopaedic Institute Adult Reconstruction Fellowship Attending Physician

2017 to present- Assistant Professor at University of South Florida Department of Orthopaedics and Sports Medicine Residency Program

8/1/20 to present- Member of Advent Hospital Carrollwood Co-management Council

9/20 to 2023- Member of Advent Hospital Carrollwood Patient Satisfaction Council

1/18 to 8/2020- Orthopaedic Medical Director. Florida Hospital Tampa.

Graduate Medical Training

Fellowship

Harvard Combined Orthopaedic Surgery/Brigham and Women's Hospital
Department of Adult Reconstruction
Department Head: Dr. Thomas Thornhill
75 Francis St.
Boston, MA 02115
Contact Telephone (617) 732-5655
Daniel Estok, M.D., Fellowship Director
08/01/2012 – 07/30/2013

Residency

University of South Florida Department of Orthopaedics and Sports Medicine
Chairman: David Leffers, M.D.
USF Morsani College of Medicine
13220 USF Laurel Drive, MDF 5th floor
Tampa, FL 33612
Contact Telephone (813) 396-9639
Contact: David Leffers, M.D., Chairman
10/01/2007 – 06/30/2012

Medical School

University of South Florida College of Medicine
Dean: Stephen Klasko, M.D.
12901 Bruce B. Downs Blvd, Tampa, FL 33612
Contact Telephone (813) 974-0828
05/01/2003 – 05/03/2007

Undergraduate

University of South Florida
 Degree: B.A. in Interdisciplinary Health Sciences
 4202 E. Fowler Avenue
 Tampa, FL 33620
 Phone: (813) 974-2011
 06/01/2001 – 05/01/2003

Northwest Florida State University
 A.A., General Degree
 100 College Blvd,
 Niceville, Florida 32578
 09/01/1997 – 05/30/2001

Northwest Florida State University
 A.S., Industrial Management Technology
 100 College Blvd,
 Niceville, Florida 32578
 09/01/1997 – 05/30/2001

Community College of the Air Force
 A.A.S., Aircraft Systems Maintenance Technology
 Maxwell Air Force Base, Montgomery Alabama

Research Work and Publications

1. Thomas L Bernasek, M.D.; Matthew Nester, BA; Ameer Tabbaa, MD; Peter Simon, PhD; Steven Lyons, MD; **Brian Palumbo, MD**. Hip Resection Arthroplasty as Definitive Treatment: Indications, Outcomes, and Complications in Paraplegic and Non-paraplegic Patients. Submitted to Journal of Arthroplasty
2. Victor Shen. **Brian T. Palumbo, M.D.** Possible Transformation of Pseudotumor to Synovial Sarcoma in a Failed Metal-on-Metal Total Hip Arthroplasty: A Case Report. *Arthroplasty Today*.
3. **Brian T. Palumbo, M.D.**, Victor Shen, B.S., Reed Andrews, M.D.; Richard Scott, M.D. TKA Implants That Survived For 46 Years in a Patient with Idiopathic Juvenile Arthritis: A Case Report. *JBJS Case Connector*. July 2023
4. Kevin Salomon, Victor Shen, Alex Sullivan, Christopher Grayson MD, Steven Lyons MD, **Brian Palumbo MD**. The Watson Extraction System for Removal of Well-Fixed Femoral Stems: A Retrospective Review of 10 Cases. *Journal of Orthopaedics*. July 2023
5. Goswami et al.....Brian T. Palumbo, M.D. The Microbiome of Osteoarthritic Hip and Knee Joints: A Prospective Multicenter Investigation. *The Journal of Bone and Joint Surgery*. May 2023

6. Robert Wetzel, M.D., **Brian T. Palumbo, M.D.**, Steven Lyons, M.D. Total Knee Arthroplasty Complicated by Diffuse Large B Cell Lymphoma: A Case Report. *Arthroplasty Today*. February 2023.
7. **Brian T. Palumbo, MD**, Kevin Salomon, Alex Sullivan MD, Peter Simon Ph.D., Steven Lyons, MD, Thomas L. Bernasek, M.D. Total Hip Arthroplasty with Subtrochanteric Osteotomy for Developmental Hip Dysplasia: A Long-Term Follow-Up Study. *Arthroplasty Today*. August 2022.
8. Goswami et al **Brian T. Palumbo, M.D.** An Enhanced Understanding of Culture Negative Joint Infection with Next-Generation Sequencing: A Multicenter Study. *Journal of Bone and Joint Surgery*. June 2022
9. Thomas Bernasek, M.D. **Brian T. Palumbo, M.D.** Efficacy and durability of opioid restrictive state legislation two years after implementation for total knee arthroplasty. *Journal of Arthroplasty*. September 2022.
10. Koran Gaswami, Samuel Clarkson, Douglas Dennis, **Brian Palumbo**, et al. Reinfection or Persistence of periprosthetic joint infection? Next Generation Sequencing Reveals New Findings. *Orthopaedic Proceedings*. October 2020.
11. **Palumbo BP**, M.D.; Gutierrez S, PhD; Mighell M, M.D .Biomechanical Investigation of Locked Plate Fixation with Suture Augmentation in a Proximal Humerus Fracture Model. *Journal of Orthopaedics*. July 2017
12. **Brian T. Palumbo, M.D.**; Justin Rizer, M.S.; Eric R. Henderson, M.D.; Douglas G. Letson, M.D.; David Cheong, M.D.; Computer Navigation and Distal Femoral Reconstruction in the Oncologic Patient. *Journal of Orthopaedics*. June 2017
13. Jonathan Webb, M.D.; **Brian T. Palumbo, M.D**, Wayne Moschetti, M.D., Daniel Estok, M.D. Management of Paprosky IIIA and IIIB Acetabular Defects: The Double Cup Construct. *Journal of Arthroplasty*. April 2017
14. **Palumbo BP, M.D.**; Charles Nalley, M.D.; Brandon Santoni, PhD; Trey Alexander, M.D.; Sergio Gutierrez, PhD.; Paul Edwards, M.D.; Dave Cheong, M.D. Biomechanical Investigation of Kyphon Cementation of Impending Femoral Neck Fractures. *Clinical Biomechanics*. March 2014.
15. **Brian T. Palumbo, M.D.**, Richard Scott, M.D. Unicompartmental Knee Arthroplasty: Diagnosis and Indications. Clinics in Sports Medicine: Unicompartmental Knee Arthroplasty: The Modern Frontier. *Clinics in Sports Medicine*. Oct 2013.
16. Matthew I. Stein, MD, Michael Perrone, MPh, **Brian T. Palumbo, MD**, Richard Cain, MD, Roger B. Gaskins III, MD, and Stephen Raterman, MD. Hip Resurfacing Arthroplasty in Severely Obese Patients. *Journal of Orthopaedics*. October 2013.

17. **Brian T. Palumbo, M.D.**; Joshua Lindsey, M.D.; Wolfgang Fitz, M.D.; Patient Specific Total Knee Arthroplasty: A Novel Technique and Implant. *Techniques in Knee Surgery*. Dec 2012.
18. Alexander GE 3rd, Gutierrez S, Nayak A, **Palumbo BT**, Cheong D, Letson GD, Santoni BG. Biomechanical model of a high risk impending pathologic fracture of the femur: lesion creation based on clinically implemented scoring systems. *Clinical Biomechanics*. Apr 2013.
19. **Brian Palumbo, M.D.**; Kurt Morrison, D.O., Adam Baumgarten, MSIII; Mathew Stein, M.D.; George Haidukewych, M.D.; Thomas Bernasek, M.D. Results of Revision Total Hip Arthroplasty with Modular, Titanium-Tapered Femoral Stems in Severe Proximal Metaphyseal and Diaphyseal Bone Loss. *Journal of Arthroplasty*. Dec 2012.
20. Eric Steifel, M.D.; **Brian T. Palumbo, M.D.** FOS Expands Grass Roots Advocacy Program. *AAOS Now*. Feb. 2012.
21. **Palumbo BT, M.D.**; Henderson E, M.D.; Edwards, M.D.; B. Burris, M.D.; S.Gutierrez, PhD.; S.J. Raterman, M.D. Initial Experience of the Journey-Deuce Bicompartmental Knee Prosthesis: Review of Thirty-Six Cases. *Journal of Arthroplasty- AAHKS supplement*. May 2011.
22. Stein MI, M.D.; **Palumbo BP, M.D.**; Bui MM, M.D., Ph.D., Green J, M.D.; Cheong D, M.D.; Letson GD, M.D. A Case of Coccidioides Synovitis of the Knee Presents Clinically as Pigmented Villonodular Synovitis. *Infectious Diseases in Clinical Practice*. March 2011.
23. **Brian T. Palumbo, M.D.**; Eric Henderson, M.D.; G. Douglas Letson, M.D.; David Cheong M.D. Recurrence of Myxofibrosarcoma Twenty-One Years after Resection: A Discussion of Classification, Treatment and Biology. *Am Journal Orthopaedics*. Nov 2011.
24. **Palumbo BP, M.D.**; Henderson EH, M.D.; Groundland J, M.D.; Letson GD, M.D. Ruggieri P, M.D. Advances in Segmental Endoprosthetic Reconstruction for Extremity Tumors: A Review of Contemporary Designs and Techniques. *Cancer Control*, June 2011.
25. **Brian T. Palumbo, M.D.**; Paul Edwards, M.D.; Naga Udaya Kiran Thatimatla, MD; Thomas L. Bernasek, MD. Complicated Extraction of an Incarcerated S-ROM Prosthesis Secondary to Osseous Ingrowth into the Distal Coronal Slot: A Case Report. *Journal of Arthroplasty*. March 2011.
26. Walker M, M.D.; **Palumbo BP, M.D.**; Mighell M, M.D. Humeral Shaft Fractures: A Review of Non-operative and Operative Treatment. *Journal of Shoulder and Elbow*. March 2011.
27. Henderson ER, Jennings JM, Marulanda GA, **Palumbo BT**, Cheong D, Letson GD. Purse-String Capsule Repair to Reduce Proximal Femoral Arthroplasty Dislocation for Tumor-A Novel Technique with Results. *J Arthroplasty*. January 2010.
28. **Palumbo BP, M.D.**; Henderson ER, M.D.; Marulanda GA, M.D.; & Letson GD, M.D.: Intramuscular Hemangioma Causing Periosteal Reaction and Cortical Hypertrophy: A Frequently Missed Radiological Diagnosis. *The Internet Journal of Orthopedic Surgery*. 2009.

29. Marulanda GA, M.D.; Henderson ER, M.D; **Palumbo BT, M.D.**; Alexander GE, M.D.; Cheong D, M.D.; Letson GD, M.D: Use of Extendable prostheses: a Limb-salvaging alternative for patients with malignant bone tumors. *Expert Review of Medical Devices*. 2008 Jul; 5(4):467-74.

Book Chapters:

1. Thomas Bernasek, M.D.; Steve Lyons, M.D.; **Brian T. Palumbo, M.D.** Book Chapter: Revision Knee Arthroplasty in the Infectious Setting. Book: Surgical Techniques and Infection Control in Hip & Knee Arthroplasty. 2016-2017
2. Thomas Bernasek, M.D.; Steve Lyons, M.D.; **Brian T. Palumbo, M.D.** Book Chapter: Developmental Dysplasia of the Hip. Book: *The Adult Hip. Volume II*. 2015

Presentations and Courses

Florida Orthopaedic Society Meeting. Augmented Reality in Arthroplasty Surgery. **Brian T. Palumbo, M.D.** May 2024.

Brian T. Palumbo, M.D. Course Director. 5th Annual Enovis Fellowship Course. Austin, Tx April 2024

Brian T. Palumbo, M.D.; Kevin Salomon BS; The Effect of Hypnosis Therapy Prior to Total Knee Arthroplasty: A Randomized Control Trial. CCJR Annual Meeting. Orlando, FL, December 2023.

Thomas L. Bernasek, M.D.; Steven T. Lyons, M.D.; Peter Simon, PhD; **Brian T. Palumbo, M.D.**; Outcomes Following Definitive Hip Resection Arthroplasty in Paraplegic vs. Non-Paraplegic Patients. AAHKS Annual Meeting. Gaylord Texan Resort and Convention Center (Grapevine, TX), November 2023.

Course Presenter. 4th Annual Enovis Fellowship Course. Austin, Tx April 2023

Jack Jimenez BS, Victor Shen BS, Kevin Salomon BS, Reed Andrews MD, Richard Scott MD, **Brian Palumbo MD**, "Longest reported surviving bilateral total knee arthroplasty," Research, Innovation, & Scholarly Endeavors 2022 13th Annual RISE Student Symposium, USF Health Morsani College of Medicine, Tampa, FL, July 2022

Victor Shen BS, Kevin Salomon BS, Reed Andrews MD, Steven Munassi DO, Kalain Workman DO, **Brian Palumbo MD**, "Malignant transformation of pseudotumor to synovial sarcoma in the setting of a painful metal-on-metal total hip arthroplasty," Research, Innovation, & Scholarly Endeavors 2022 13th Annual RISE Student Symposium, USF Health Morsani College of Medicine, Tampa, FL, July 2022

Florida Medical Association Meeting Poster Presentation. Malignant transformation of pseudotumor to synovial sarcoma in the setting of a painful metal-on-metal total hip arthroplasty," David A. Paulus, MD. Odion Binitie, M.D., **Brian T. Palumbo, M.D.** Hyatt Regency Grand Cypress, Tampa, FL, August 2022. *Presented by Victor Shen*

3rd Annual DJO Fellowship Course Faculty. "An Argument for UKA" and "Why I use a TaperFill Stem". Austin, Tx. April 2022.

DJO Instructional Course Different By Design: Technologies & Trends in TKA & THA AAOS. Las Vegas, Nevada. Feb 2022

Brian T. Palumbo, MD, Kevin Salomon, Alex Sullivan MD, Peter Simon Ph.D., Steven Lyons, MD, Thomas L. Bernasek, M.D. Total Hip Arthroplasty with Subtrochanteric Osteotomy for Developmental Hip Dysplasia: A Long-Term Follow-Up Study. Current Concepts in Joint Replacement. Orlando, Fl. December 2021

Brian T. Palumbo, MD, Kevin Salomon, Alex Sullivan MD, Peter Simon Ph.D., Steven Lyons, MD, Thomas L. Bernasek, M.D. Total Hip Arthroplasty with Subtrochanteric Osteotomy for Developmental Hip Dysplasia: A Long-Term Follow-Up Study. University of South Florida 12th Annual Student Symposium. October 22, 2021
Presented by: Kevin Salomon

Orthopaedics for the Primary Care Physician. Novel Technologies in Total Joint Arthroplasty. July 2021. Clearwater Beach, Fl

University of South Florida Core Lecture Series. Brian T. Palumbo, M.D. Revision Total Hip Arthroplasty. Evaluation, Imaging and Planning. Feb 2020

Florida Orthopaedic Fellowship Educational Conference. Brian T. Palumbo, M.D. TKA Balancing and Instability. March 2020

University of South Florida Core Lecture Series. Brian T. Palumbo, M.D. Periprosthetic Joint Infection Diagnosis and Management. Feb 2020

Orthopaedics for the Primary Care Physician. Unicompartamental Arthroplasty Diagnosis and Indications. June 2019. Clearwater Beach, Fl

University of South Florida Grand Rounds. Brian T. Palumbo, M.D. History and Evolution of UHMWPE. FIVE Labs. Dec 2019. Tampa, Fl.

University of South Florida Core Lecture Series. Brian T. Palumbo, M.D. Management of Bone Defects in Revision TKA. December 2019.

American Academy of Hip and Knee Surgeons (AAHKS) Next Generation Sequencing for the Diagnosis of Periprosthetic Knee Infection: A Multicenter Investigation. Karan Goswami, MD, Majd Tarabichi, MD, Noam Shohat, MD, Carlos A. Higuera, MD, Eric L. Smith, MD, Arthur L. Malkani, MD, **Brian T. Palumbo, MD**, Michael B. Cross, MD, Craig J. Della Valle, MD, Javad Parvizi, MD. November 2018.

Moderator for Presentation and Discussion. Total Knee Arthroplasty Fixation, Kinematics and Fit. FIVE Labs. April 2017. Tampa, Fl.

Florida Orthopaedic Society. **Brian T. Palumbo, M.D.** Kinematic Alignment in Total Knee Arthroplasty.

University of South Florida Grand Rounds. **Brian T. Palumbo, M.D.**; Thomas Bernasek, M.D.; Kenneth Gustke, M.D.; Steve Lyons, M.D. Moderator for Presentation and Discussion. Total Knee Arthroplasty Fixation, Kinematics and Fit. FIVE Labs. *April 2017. Tampa, Fl.*

American Academy of Hip and Knee Surgeons Annual Meeting. Jonathan Webb, M.D.; **Brian T. Palumbo, M.D.**, Wayne Moschetti, M.D., Daniel Estok, M.D. Management of Paprosky IIIA and IIIB Acetabular Defects: The Double Cup Construct. *Nov 2016. Dallas, Tx*

Florida Orthopaedic Institute Fellowship Grand Rounds. **Unicompartmental Knee Arthroplasty: Diagnosis, Indications and Contemporary Design.** *Oct 2016. Tampa, Fl.*

University of South Florida Orthopaedics Grand Rounds. **Conservative Management for Hip and Knee Arthritis.** *Sept 2016. Tampa, Fl.*

Florida Orthopaedic Institute Fellowship Grand Rounds. **Kinematic Alignment in TKA.** *March 2016. Tampa, Fl.*

USF Orthopaedics Grand Rounds. **Femoral Revisions in THA.** *April 2016. Tampa, Fl.*

Advanced Revision Education. **DJO and Sales Force Meeting.** *March 2016. Indianapolis, In.*

DJO Sponsored Community Grand Rounds Presentation. **Unicompartmental Knee Arthroplasty Diagnosis and Indications: A Modern Perspective.** **Brian T. Palumbo, M.D.** *Oct 2014. Sarasota, FL*

American Academy of Orthopaedic Surgeons (AAOS). **Unicompartmental Knee Arthroplasty in Patients Under 55 Years: A Review of 79 Cases**
Brian T. Palumbo, M.D.; Lee Josephs; Richard Scott, M.D. *Poster Presentation. March 2014. New Orleans, LA*

USF Orthopaedic Residency Grand Rounds Lecture. **Unicompartmental Knee Arthroplasty Diagnosis and Indications: A Modern Perspective**
Brian T. Palumbo, M.D. *Feb 2014. Tampa, FL*

USF Orthopaedic Residency Grand Rounds Lecture. **Revision Total Hip Arthroplasty**
Brian T. Palumbo, M.D. *Sep 6 2013. Tampa, FL*

American Academy of Orthopaedic Surgeons (AAOS). **Biomechanical Investigation of Kyphon Cementation of Impending Femoral Neck Fractures.**
Palumbo BP, M.D.; Charles Nalley, M.D.; Brandon Santoni, PhD; Trey Alexander, M.D.; Sergio Gutierrez, PhD.; Paul Edwards, M.D.; Dave Cheong, M.D. *Poster Presentation. March 2013. Chicago, IL*

Musculoskeletal Tumor Society Meeting (MSTS). **Biomechanical Investigation of Kyphon Cementation of Impending Femoral Neck Fractures**
Palumbo BP, M.D.; Charles Nalley, M.D.; Brandon Santoni, PhD; Trey Alexander, M.D.; Sergio Gutierrez, PhD.; Paul Edwards, M.D.; Dave Cheong, M.D. *Poster Presentation. September 21, 2012. Tampa, FL*

International Society of Limb Salvage Surgery. Computer Navigation and Distal Femoral Reconstruction in the Oncologic Patient

Brian T. Palumbo, M.D.; Justin Rizer, M.S.; Anthony Denard, M.D.; Eric R. Henderson, M.D.; Douglas G. Letson, M.D.; David Cheong, M.D. Podium Presentation. *September 2011. Beijing, China*

16th General Meeting of the International Society of Limb Salvage (ISOLS). Impending Pathologic Fractures: Biomechanical Validation for Prophylactic Fixation

Alexander GT, Gutierrez S, **Palumbo B**, Cheong D, Letson GD, Santoni BG. Podium Presentation.. *September 15-18, 2011. Beijing, China*

American Academy of Orthopaedic Surgeons Meeting (AAOS). Impending Pathologic Fractures: Biomechanical Validation for Prophylactic Fixation

Alexander GT, Gutierrez S, **Palumbo B**, Cheong D, Letson GD, Santoni BG. Podium Presentation. *February 7-11, 2012. San Francisco, CA*

American Academy of Orthopaedic Surgeons (AAOS). Initial Experience of Implantation of the Deuce Bicompartamental Knee Prosthesis: A Review of Thirty-Six Cases

Palumbo BP, M.D.; Burris B, M.D; Henderson E, M.D.; Edwards P, M.D.; Gutierrez S, PhD.; Raterman SJ, M.D. *Podium Presentation. Feb of 2011. San Diego, Ca*

American Academy of Hip and Knee Surgeons (AAHKS). Initial Experience of Implantation of the Deuce Bicompartamental Knee Prosthesis: A Review of Thirty-Six Cases

Palumbo BP, M.D.; Burris B, M.D; Henderson E, M.D.; Edwards P, M.D.; Gutierrez S, PhD.; Raterman SJ, M.D. *Podium Presentation. November of 2010. Dallas, TX*

International Shoulder Meeting in Edinburgh, Scotland. Biomechanical Investigation of Locked Plate Fixation with Suture Augmentation in a Proximal Humerus Fracture Model

Palumbo BP, M.D.; Gutierrez S, PhD; Mighell M, M.D. *Podium Presentation. September of 2010.*

Southern Orthopaedic Society Lateral Quadriceps Mechanism Sparing Approach for Distal Femoral Reconstruction after Tumor Resection

Marulanda GA, M.D.; **Palumbo BT, M.D.**; Henderson ER, M.D; Letson GD, M.D. *Podium Presentation. Southern Orthopaedic Society. 2010. Fajardo, Puerto Rico*

Florida Orthopaedic Society. Initial Experience of Implantation of the Deuce Bicompartamental Knee Prosthesis: A Review of Thirty-Six Cases

Palumbo BP, M.D.; Burris B, M.D; Henderson E, M.D.; Edwards P, M.D.; Gutierrez S, PhD.; Raterman SJ, M.D. *Podium Presentation. May 2010. Ft. Lauderdale, Fl.*

Florida Orthopaedic Society. Biomechanical Investigation of Locked Plate Fixation with Suture Augmentation in a Proximal Humerus Fracture Model

Palumbo BP, M.D.; Gutierrez S, PhD; Mighell M, M.D. *Podium Presentation. May 2010. Ft. Lauderdale, Fl.*

Florida Orthopaedic Society. Distal Femoral Reconstruction. A Retrospective Review

Palumbo B, M.D.; Henderson, E, M.D.; Letson GD, M.D. *Poster Presentation. Florida Orthopaedic Society. May 2008. Key Largo, Fl.*

15th Annual Connective Tissue Oncology Society Meeting. Distal Femoral Reconstruction for the Treatment of Malignant Bone Tumors

G Marulanda; **B Palumbo**; E Henderson; D Cheong; D Letson. *Poster presentation. November, 2009*

University of South Florida Research Day. Distal Femoral Reconstruction for the Treatment of Malignant Bone Tumors

Brian Palumbo, M.D.; Richard Cain, M.D.1, Nazeem Virani, M.D.1, Eric Henderson, M.D.1, German A. Marulanda, M.D.1, and G. Douglas Letson, M.D.. *2008. Tampa, Fl.*

Industry Funded Studies and Product Design Experience

2020- Present- Co-Founder, President and Chief Medical Officer of Actuos Medical, LLC. Leading development of Nuovo, a cementless unicompartmental knee arthroplasty device. *Patent pending*

2024 Primary Investigator for Enovis sponsored study- Triple Taper Biomechanical Study. \$50,000 grant

2024 Primary Investigator for Enovis sponsored study- Augmented Reality Study for TKA. \$50,000 grant

2023 Co-designer for Arvis- Augmented Reality Platform developed by Enovis.

2018 to present- Consultant and design team member for Conformis Cementless Total Knee Arthroplasty System

2016 to present– Consultant and design team member for the DJO Exprt Unicompartmental knee arthroplasty system.

2015 to present- Design consultant for the DJO Exprt modular revision femoral stem.

2015-to present- One of two leading surgeon’s in development for a novel servo-electric navigation system for acetabular cup placement. I was charged with anterior approach concept development. Zimmer sponsored- \$13,000 grant.

12/2010- Primary investigator and \$40,000 grant recipient from Medtronic for study of biomechanical effects of Kyphon cement augmentation of impending femoral neck fractures.

2010- Primary investigator for \$10,000 grant for “Biomechanical Investigation of Locked Plate Fixation with Suture Augmentation in a Proximal Humerus Fracture Model.” Study completed and manuscript pending submission.

Honors, Awards and Volunteer Experience

6/2024 Nominated for Tampa Bay Business and Wealth Magazine Apogee Award.

- 08/2023** Tampa Magazine Top Doctors 2023 Issue: Featured in Healthcare Headway article: Doctor and Inventor
- 1/2024** 3rd Operation Walk USA at Advent Hospital Carrollwood to provide free arthroplasty to indigent patient population. 25 Surgeries performed.
- 5/2023** Operation Walk Mission Trip to Vietnam. 68 Hip and Knee arthroplasty cases performed with 3 other surgeons.
- Xxx** **Tampa Bay Top Doctor**
- 12/2022** 2nd Operation Walk USA at Advent Hospital Carrollwood to provide free arthroplasty to indigent patient population. 8 Surgeries performed.
- 6/2021** Initiated Operation Walk USA at Advent Hospital Carrollwood to provide free arthroplasty to indigent patient population.
- 4/2021-present** Opened and operate free clinic to care for indigent patient population. Quarterly clinic.
- 5/2018** Operation Walk Mission Trip to Vietnam. 32 Hip and Knee arthroplasty cases performed.
- 06/2017** Member of the Belize medical mission trip planning committee for trip scheduled on 9/29/17
- 01/2013** Elected to the American Journal of Orthopaedics Resident Advisory Board
- 3/2012** Elected to the Barness/Behnke Chapter of the Gold Humanism Honor Society. University of South Florida College of Medicine
- 1/2012** Elected to the American Journal of Orthopaedics Resident Advisory Board
- 7/2011** Appointed Chief Administrative Resident at the University of South Florida Orthopaedic Residency Department
- 5/2010** 2nd Place in Florida Orthopaedic Society- Research Competition. Initial Experience of Implantation of the Journey-Deuce Bicompartamental Knee Prosthesis: A Review of Thirty-Six Cases. Ft. Lauderdale, Fl. May 2010.
- 4/2010** Nominated to AOA-OREF Resident Leadership Forum.
- 2009-2010** Journal of Orthopaedic Trauma- Best Orthopaedic Trauma Training Resident
- 2007-2008** Intern of the Year Award: University of South Florida Dept. of Orthopedics and Sports Medicine.
- 2005** **Award of Appreciation:** Tampa Bay Technical High School for developing the High School Health Intervention Program (HHIP). A program that delivered various health based presentations to H.S. students.

- 2003** **Awarded AMA Grant for Health Literacy Project:** High School Health Intervention Program (HHIP), Co-chair.
- 2000** **Air Force Achievement Medal:** Assisted in recovery of aircraft buried in deteriorating asphalt.
- 1999** **Air Force Achievement Medal:** Assisted in development and implementation of base wide military introduction program.
- 1998** **Armed Forces Service Medal:** Assisting in overseas mission in San Vito dei Normanni Air Station, Italy.

Professional Society Memberships

- 2014 to Present** Article reviewer for the Journal of Arthroplasty
- 03/2012 to Present** American Association of Hip and Knee Surgeons
- 2008 to Present** American Academy of Orthopaedic Surgeons