

CURRICULUM VITAE

Adult Hip and Knee Reconstructive Surgery

Brian T. Palumbo, M.D.

01/2015

Business Address

13020 Telecom Parkway N.
Temple Terrace, Florida
33637-0925

Business Telephone

(813) 978-9700

License Information

Florida Medical License # MEL 115727
Massachusetts License # 250772 Active

Board Certifications

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

Employment History

Florida Orthopaedic Institute
Department Adult Reconstruction
13020 Telecom Parkway N
Temple Terrace, Florida 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 Appointments

None

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 – 07/30/2012

Residency

University of South Florida Dept. 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

Brian T. Palumbo, M.D.; Grant Garlic, M.D. Cytori Adipocyte Derived Stem Cell Study. Multicenter Prospective Clinical Trial. Work ongoing.

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.

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

Thomas Bernasek, M.D.; Steve Lyons, M.D.; **Brian T. Palumbo, M.D.;** Developmental Dysplasia of the Hip. Book chapter: *The Adult Hip*. Publication Pending.

Brian T. Palumbo, M.D.; Joshua Lindsey, M.D.; Daniel Estok, M.D. Management of Paprosky IIIA and IIIB Acetabular Defects: The Double Cup Construct. *Work ongoing*.

Brian T. Palumbo, M.D., Richard Scott, M.D. Unicompartamental Knee Arthroplasty: Diagnosis and Indications. Clinics in Sports Medicine: Unicompartamental Knee Arthroplasty: The Modern Frontier. *Clinics in Sports Medicine*. Oct 2013.

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

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.

Palumbo BT, M.D.; Gutierrez S, PhD.; Wolfgang Fitz, M.D.; Richard Scott, M.D. Relationship of Unicompartamental Knee Arthroplasty Tibial Baseplate Design and Interface Strain: A Finite Element Analysis. *Work ongoing*.

Brian T. Palumbo, M.D.; Lee Josephs; Richard Scott, M.D. Unicompartamental Knee Arthroplasty in Patients Under 55 Years: A Review of 79 Cases. *Work Ongoing*.

Brian Palumbo, M.D.; Seth Cooper, M.D., Sergio Gutierrez, PhD., Daniel Estok, M.D., Brandon Santoni, PhD, Thomas Bernasek, M.D. Morse Taper Rotational Micromotion in Large versus Small Heads: A Biomechanical Investigation. *Work Ongoing*.

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.

Eric Steifel, M.D.; **Brian T. Palumbo, M.D.** FOS Expands Grass Roots Advocacy Program. *AAOS Now*. Feb. 2012.

Palumbo BT, M.D.; Gutierrez S, PhD. Provisional patent filed for novel patella fracture fixation system. *May 2011*.

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.; Computer Navigation and Distal Femoral Reconstruction in the Oncologic Patient. *Journal of Orthopaedics- Acceptance Pending Revisions*

Palumbo BT, M.D.; Gutierrez S, PhD. Provisional patent filed for novel unicompartmental knee arthroplasty tibial component in Oct. 2010.

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 Bicompartamental Knee Prosthesis: Review of Thirty-Six Cases. *Journal of Arthroplasty- AAHKS supplement*. May 2011.

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.

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.

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.

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.

Marulanda GA, M.D.; Henderson ER, M.D; **Palumbo BT, M.D.**; Cheong D, M.D.; Letson GD, M.D.: Quadriceps Sparing Lateral Approach for Distal Femur Reconstruction after Tumor Resection. *Work Ongoing*.

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.

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*. 2010 Jan 21.

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.

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.

Presentations

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

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. American Academy of Orthopaedic Surgeons (AAOS). 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

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. American Academy of Orthopaedic Surgeons (AAOS). March 2013. Chicago, IL*

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. Musculoskeletal Tumor Society Meeting (MSTS). September 21, 2012. Tampa, FL*

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. International Society of Limb Salvage Surgery. September 2011. Beijing, China*

Impending Pathologic Fractures: Biomechanical Validation for Prophylactic Fixation
Alexander GT, Gutierrez S, **Palumbo B,** Cheong D, Letson GD, Santoni BG. *Podium Presentation. 16th General Meeting of the International Society of Limb Salvage (ISOLS). September 15-18, 2011. Beijing, China*

Impending Pathologic Fractures: Biomechanical Validation for Prophylactic Fixation

Alexander GT, Gutierrez S, **Palumbo B**, Cheong D, Letson GD, Santoni BG. Podium Presentation. *American Academy of Orthopaedic Surgeons' Annual Meeting (AAOS). February 7-11, 2012. San Francisco, CA*

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. American Academy of Orthopaedic Surgery (AAOS). Feb of 2011. San Diego, Ca*

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. American Academy of Hip and Knee Surgeons (AAHKS). November of 2010. Dallas, Tx*

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. Edinburgh, Scotland*

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*

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. Florida Orthopaedic Society. May 2010. Ft. Lauderdale, Fl*

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. Florida Orthopaedic Society. May 2010. Ft. Lauderdale, Fl*

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*

Distal Femoral Reconstruction for the Treatment of Malignant Bone Tumors

G Marulanda; **B Palumbo**; E Henderson; D Cheong; D Letson. *Poster presentation 15th Annual Connective Tissue Oncology Society Meeting. November, 2009*

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. *University of South Florida Research Day. 2008. Tampa, Fl*

Grants

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 and Awards

- 01/2013** Elected to the American Journal of Orthopaedics Resident Advisory Board
- 3/2012** Elected to the Barnes/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
- 3/2011** Constructed resident research curriculum at the University of South Florida Department of Orthopaedics
- 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

03/2012 *American Association of Hip and Knee Surgeons*

2008 to Present American Academy of Orthopaedic Surgeons