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HUNTER VINCENT, DO, QME

PAIN MEDICINE, PHYSICAL MEDICINE & REHABILITATION

EDUCATION

- ACGME Accredited Pain Medicine Fellowship, University of California: Los Angeles / VA, 2019- 2020
- Resident Physician in Physical Medicine and Rehabilitation, Chief resident as PGY-4, University of California: Davis, 2016- 2019
- PGY-1 rotating internship year, College Medical Center. Long Beach, CA, 2015 – 2016
- Touro College of Osteopathic Medicine: New York, 2011 – 2015
- University of California: Davis, 2003 - 2008
- Bachelor of Science: Exercise Biology

BOARD CERTIFICATIONS

- Board Certified in Physical Medicine & Rehabilitation, 2020
- Board Certified in Pain Medicine, 2020

WORK EXPERIENCE

Physician – The Orthohealing Center, 2020 - Present

- Physician specializing in interventional sports and spine care, with an emphasis on orthobiologics

Director of Health Technology – King Tide, 2020 - Present

- Managing director of the healthtech vertical in a collaborative design / development studio based in Los Angeles.

Clinical Advisor: Freely Health, 2020 - Present

- A digital mental health platform connecting anonymous listeners to help combat mental health issues via peer to peer support

Co-founder and CEO: MS Connect, 2017 - Present

- A digital platform utilizing Apple watch and iOS software to optimize remote patient monitoring in patients with Multiple Sclerosis

RESEARCH

Co-researcher: MS Connect IIS Study, 2017 - present

EXPERIENCE

- Investigator Initiated Study focused on designing and testing a centralized digital mobile platform for disease management in Multiple Sclerosis.
- Principle Investigator: Dr. Mary Ann Picone

Co-founder: Regenerative Orthobiologics Registry, 2017-2019

- A digital data registry focused on collecting patient reported outcomes with the use of orthobiologics for musculoskeletal and spine pathology.

Research Scholar: FCMSC, 2014

- Organization: Foundation of Consortium of Multiple Sclerosis Centers
- Mentor: Dr. Mary Ann Picone: Holy Name MS Center
- Proposal: Utilizing Technology to Improve Patient Adherence and Professional Patient Monitoring for at-home exercise program in patients with MS

Clinical Research Coordinator: Orthohealing Center, 2013 – 2020

- Facilitate research and textbook chapter publications for a group of physicians at a sports and spine practice in Los Angeles, CA.

Research Assistant: LA Biomed, 2010

- Assisted with Cardiac CT Scan measurements and biometric data analysis for patients with coronary artery disease
- Research mentors: Cardiologists Dr. Matthew Budoff & Dr. Naser Ahmadi.

Laboratory Assistant: UC Davis Performance Lab, 2006

- Assisted with anthropometric & metabolic analysis of UC Davis intercollegiate athletes
- Research mentors: James Shaffrath and Gretchen Casazza

PUBLICATIONS

Articles in Professional Peer Reviewed Journals:

- Vincent H, Sampson S. The Orthobiologic Institute 9Th Annual PRP & regenerative. Medicine Symposium: Compendium of Abstracts. Bio Ortho J Vol 1(1):e2–e16; May 27, 2019.
- Delgado D, Garate A, Vincent H, Miren A, et al. Current Concepts in Intraosseous Platelet Rich Plasma Injections for Knee Osteoarthritis. Journal of Clinical Orthopaedics and Trauma. 2018. 1-6
- Sampson S, Smith J, Vincent H, Aufiero D, Zall M, Botto-van-Bemden A. Intra-articular Bone Marrow Concentrate (BMC) Injection Protocol: Short Term Efficacy in Osteoarthritis. Regenerative Medicine. 2016. Sep;11(6):511-20 (PMID:

27527808)

- Lana JFSD, Weglein A, Sampson S, Vicente EF, Huber SC, Souza CV, Ambach MA, Vincent H, Urban-Paffaro A, Onodera CMK, Annichino-Bizzacchi JM, Santana MHA, Belangero WD. Randomized controlled trial comparing hyaluronic acid, platelet-rich plasma and the combination of both in the treatment of mild and moderate osteoarthritis of the knee. *Journal of Stem Cells and Regenerative Medicine*. 2016. Nov 29;12(2):69-78 (PMID: 28096631)
- Aufiero D, Vincent H, Sampson S, Bodor M. Regenerative Injection Treatment in the Spine: Review and Case Series with Platelet Rich Plasma. *Journal of Stem Cell Research, Reviews, and Reports*. May 2015.

Abstracts:

- Sampson S., Smith J., Vincent H., Aufiero D., Zall M., Botto-van-Bemden A. Intra-articular Bone Marrow Concentrate (BMC) Injection Protocol: Short Term Efficacy in Osteoarthritis. *Healthy Aging Research*. 2017.6:2.A21
- Youn T, Vincent H, Sampson S. Pulsed Electromagnetic Field Therapy: Potential Clinical Applications and Cellular Mechanisms. *Healthy Aging Research*. 2014. 3:1.A37
- Sampson S, Vincent H, Aufiero D, Thakral V, Botto-van Bemden A. Autologous Bone Marrow Concentrate: Review and Application of a Novel Intra-Articular Orthobiologic for Cartilage Disease. *Healthy Aging Research*. 2014. 3:1:A29
- Vincent H, Botto-van Bemden A, Sampson S. Biomarkers in Osteoarthritis. *Healthy Aging Research*. 2014.3:1:A30
- Sampson S, Vincent H, Aufiero D. *Orthobiologics: The New Frontier of Orthopaedics*. *Healthy Aging Research*. 2014. 3:1:A28

Reviews and Editorials:

- Steven S, Hunter V, Mary AA, Edwin A. Orthobiologics: Where are we now?. *Nov Tech Arthritis Bone Res*. 2017; 2(1) : 555576.
- Sampson S, Vincent H, Aufiero D, Botto-van Bemden A. Orthobiologics: A New Frontier for Musculoskeletal Disease. *The Journal of Stem Cell Research and Transplantation*. Sept 2014.
- Sampson S, Vincent H, Aufiero D. The History of Orthobiologics: A New Frontier for Orthopaedics. *Orthopreneur*. April 2014.

Available at:

<http://www.orthopreneurpub.com/component/content/article/498-the-history-of-orthobiologics-a-new-frontier-of-orthopaedics>

Posters:

- Sampson S, Smith J, Vincent H, Aufiero D, Zall M, Botto Van-Bemden A. Intraarticular Bone Marrow Concentrate (BMC) Injection Protocol: Short Term Efficacy and Safety for Osteoarthritis. The Orthobiologic Institute 7th annual symposium, June 10-12, 2016.
- Vincent H, Picone MA. Utilizing Technology to Improve Patient Adherence and Professional Patient Monitoring for at-home exercise program in patients with MS. CMSC annual meeting. June 3 - 6, 2015.
- Vincent H, Sampson S, Aufiero D. Orthobiologics: The New Frontier of Orthopaedics. Touro College of Osteopathic Medicine- NYC Research Day. 2014.
- Sampson S, Vincent H, Aufiero D. Orthobiologics: The New Frontier of Orthopaedics. TOBI: The Orthobiologic Institute Annual Symposium. 2014.
- Vincent H, Botto-van Bemden A., Sampson S. Biomarkers in Osteoarthritis. TOBI: The Orthobiologic Institute Annual Symposium. 2014.
- Sampson S, Vincent H, Aufiero D, Thakral V, Botto-van Bemden A. Autologous Bone Marrow Concentrate: Review and Application of a Novel Intra-Articular Orthobiologic for Cartilage Disease. TOBI: The Orthobiologic Institute Annual Symposium. 2014.
- Youn T, Vincent H, Sampson S. Pulsed Electromagnetic Field Therapy: Potential Clinical Applications and Cellular Mechanisms. TOBI: The Orthobiologic Institute Annual Symposium. 2014.
- Sampson S, Vincent H, Aufiero D, Thakral V, Botto-van Bemden A. Autologous Bone Marrow Concentrate: Review and Application of a Novel Intra-Articular Orthobiologic for Cartilage Disease. Orthopedic Manufacturing & Technology Exposition and Conference. 2014.

Textbook Chapters:

- Vincent H, Picone MA. Evaluation and Diagnosis of Multiple Sclerosis. *Multiple Sclerosis for the Non Neurologist*. Wolters Kluwer. 2018.
- Solberg J, Vincent H. Rational Analgesic Poly Pharmacotherapy: A novel treatment approach in Pain management. Primary Care Pain Management. Wolters

Kluwer. 2018

- Sampson, S, Vincent H, Ambach M. "Biologics in Clinical Setting: Standardization and Collaboration". *Essentials of Regenerative Medicine in Interventional Pain Management*. Eds. Laxmaiah Manchikanti, Annu Navani.
- Sampson S, Vincent H, Ambach M. "Education and Standardization of Orthobiologics: Past, Present, and Future". *Platelet Rich Plasma in Orthopaedics, Sports Medicine & Oral and Maxillofacial surgery*. Eds. Eduardo Anitua, Mikel Sanchez, Ramon Cugat. Springer International Publishing. 2018.
- Sampson S, Vincent H, Ambach M. "Education and Understanding Orthobiologics: Then and Now". *Bio-orthopaedics: A new Approach*. Eds. Alberto Gobbi et al. Springer-Verlag Berlin Heidelberg. 2017. 41-46
- Picone MA, Vincent H, Blitz-Shabbir K, Youn West C, Akinsanya J. "Lower Extremity Signs and Symptoms of Multiple Sclerosis". *Systemic Disease Manifestations in the Foot, Ankle and Lower Extremity, 1st Edition*. Eds. Rock Positano et al. Wolters Kluwer. 2017.

PEER REVIEWER

- Journal of Clinical Orthopedics and Trauma

PRESENTATIONS & APPEARANCES

Arthritis Foundation – Joint Pain Solutions Webinar, 2021

- Moderator for national panel of experts on joint pain

Spine & Nerve Podcast, 2020

- Featured speaker – discussing Pain medicine education / training

Arthritis Foundation Lecture, 2020

- Featured speaker – discussing the facts about CBD for joint disease
- The Orthobiologic Institute annual symposium, 2017-2020
- Conference moderator

CMSC: Consortium of Multiple Sclerosis Centers annual conference, 2019

- Neuroinnovator contest finalist

International Symposium of Intraarticular Therapy annual symposium, 2017

- Intra-articular Bone Marrow Concentrate (BMC) Injection Protocol:
- Short Term Efficacy in Osteoarthritis

CMSC: Consortium of Multiple Sclerosis Centers annual conference, 2015

- Utilizing Technology to Improve Patient Adherence and Professional

- Patient Monitoring for at-home exercise program in patients with MS

AWARDS & SCHOLARSHIPS

CMSC Neuroinnovator Finalist, 2019

- Consortium of Multiple Sclerosis Centers

William Fowler Research Award, 2019

- Award for best resident research project

Award for "Best Platform Presentation," 2015

- CMSC: Consortium of Multiple Sclerosis Centers Annual conference

FCMSC: MS Workforce of the Future Research Scholarship, 2014

- Organization: Foundation of the Consortium of Multiple Sclerosis Centers
- Proposal: *Utilizing Technology to Improve Patient Adherence and Professional*
- *Patient Monitoring for at-home exercise program in patients with MS*

Award for "Best Poster," 2014

- *Biomarkers in Osteoarthritis*
- TOBI: The Orthobiologic Institute 5th Annual Symposium

Stewardship Award, 2010

- St John's Hospital Volunteer Program. Santa Monica, CA

"Most Inspirational Player," 2007

- One of only 2 awards presented annually for UC Davis Men's soccer players.

EXTRACURRICULAR

Chair Elect: Arthritis Foundation, 2021

- Chair of the medical advisory committee for the Arthritis Foundation, Los Angeles branch

Camp Medical Volunteer: MDA summer camp, 2018

- Performed daily medication distribution and on site medical treatment for camp attendees with variety of neuromuscular diseases

Sideline Medical Coverage: UC Davis Athletics, 2016- 2018

- Performed sideline medical coverage for men's soccer and basketball.

Orthohealing Center Medical Blog, 2013 – 2017

- Composed blog articles about emerging research in the field of sports medicine, orthopedics and regenerative medicine for a patient-focused demographic.
- <http://www.orthohealing.com/blog/>

TOBI: The Orthobiologic Institute Research Blog, 2013 - 2016

- Composed blog articles about the most current advancements in Platelet Rich Plasma and regenerative cellular therapies for a physician-focused demographic
- <http://www.prpseminar.com/category/blog/>

Medical Tent Volunteer: Huntington Beach Marathon, 2014

- Performed race day medical assistance for marathon participants

Medical Tent Volunteer: Special Olympics, 2011- 2013

- Medical assistance and initial evaluations for participating athletes at several special Special Olympics' events in New York and New Jersey

St John's Health Center Volunteer, 2010

- Assisted Oncology dept. with patient care and floor organization at St. John's Hospital in Santa Monica, CA

"Care Extender" Volunteer, 2010

- Volunteered in the ICU, CCU, Orthopedics, Pediatrics, NICU and Labor and Delivery, assisting nursing staff with floor organization and patient care at UCLA medical center, Santa Monica, CA.

Teaching Assistant for Gross Anatomy Lab, 2007

- UC Davis Anatomy Dept.
- Instructed large and small groups on human anatomy in a human cadaver lab.
- Responsible for prosection dissection, preparation, and maintenance.

UC Davis Collegiate Soccer Player, 2003- 2007

- Division I: Big West Conference