

Day One – TOBI 2019 Symposium

New Research, Protocol Updates & Networking with Global Field Leaders

- PLATELET RICH PLASMA
- BONE MARROW ASPIRATE CONCENTRATE
- LIPOASPIRATE
- PANEL: PRP, BMC, LIPOASPIRATE OR AMNIOTIC CELLS... WHAT DO I CHOOSE?
- FUNCTIONAL MEDICINE & BIOLOGIC RESEARCH

WELCOME

Welcome & Introduction

Steven Sampson, DO, The Orthohealing Center, Los Angeles, CA

PLATELET RICH PLASMA

PRP in Sports Medicine: The Evidence and What I Do

Brian Cole, MD, Rush University Medical Center, Department of Orthopedics and Department of Anatomy and Cell Biology, Chicago, IL

The Evolving Biologic Landscape for Foot and Ankle Injuries

MaCalus V. Hogan, MD, MBA, University of Pittsburgh School of Medicine, Department of Orthopedic Surgery, Pittsburgh, PA

Evaluation of Biologic Activity of PRP & Correlation with Clinical Outcomes in Knee OA

Brian C. Halpern, MD, Hospital for Special Surgery, New York, NY

Leucocyte-rich Platelet-rich Plasma (LR-PRP) Treatment of Gluteal Tendinopathy: A Double Blind Randomized Controlled Trial with 2 Year Follow Up

Jane Fitzpatrick, PhD, MB.BS, FACSEP, University of Western Australia Crawley WA, Australia

Effects of Aspirin on Growth Factor Release from Leukocyte-Rich Platelet-Rich Plasma in Healthy Men

Prathap Jayaram, MD, Director Regenerative Sports Medicine, Baylor College of Medicine, Houston, TX

PRP Humanitarian Effort in Tanzania: A Win-Win

Christopher J. Visco, MD, Columbia University Medical Center, Department of Rehabilitation and Regenerative Medicine, New York, NY

Q&A PLATELET RICH PLASMA

BONE MARROW ASPIRATE CONCENTRATE

Bone Marrow Aspirate Concentrate for Meniscus and Cartilage: From Processing to Clinical Indications and Outcomes

Jorge Chahla, MD, Rush University Medical Center, Department of Orthopaedic Surgery, Chicago, IL

BMC Results: Randomized Controlled Trials for Knee OA, Rotator Cuff and ACL Tears

Christopher J. Centeno, MD, Centeno-Schultz Clinic, Broomfield, CO

Novel Insights Using Bone Marrow Concentrate vs Aspirate: Cellular Formulations and Red Blood Cell Effects on the Local Microenvironment

Peter Everts, PhD, Gulf Coast Biologics, Scientific Research & Educational Department, Fort Myers, FL

New Biologic Formulations to Treat Muscle and Tendon Disorders

Jason Drago, MD, Stanford University School of Medicine, Department of Orthopedic Surgery, Redwood City, CA

Emory Sports Medicine Updates on Knee OA: BMC Harvest Techniques, BMAC vs MFAT, and Ongoing Multi-Center Trial

Kenneth R. Mautner, MD, Emory School of Medicine, Department of Physical Medicine and Rehabilitation and the Department of Orthopedic Surgery, Atlanta, GA

Q&A BONE MARROW ASPIRATE CONCENTRATE

LIPOASPIRATE

Adipose Tissue in Orthopaedics: Overview and National Status

C. Thomas Vangsness, Jr., MD, Keck School of Medicine of USC, Department of Orthopaedic Surgery, Los Angeles, CA

Evaluation of the Safety and Exploratory Efficacy of PSC-01, an Autologous Adipose Stromal Vascular Fraction Cell Product For Knee osteoarthritis

Christopher Rogers, MD, San Diego Orthobiologics Medical Group, Carlsbad, CA

The Unique Role for Adipose Tissue in Shoulder Disorders: Osteoarthritis and Rotator Cuff Pathology

Joanne Borg-Stein, MD, Harvard Medical School, Department of Physical Medicine and Rehabilitation, Boston, MA

Morbidity & Mortality Case Report: Learning from a Lipoaspirate Adverse Event

Colonel Sean Mulvaney, MD, Department of Defense, Fort Meade, MD

Q&A LIPOASPIRATE

PANEL: PRP, BMC, LIPOASPIRATE, AMNIOTIC CELLS: WHICH DO I CHOOSE?

Joanne Borg-Stein, MD, Harvard Medical School, Department of Physical Medicine and Rehabilitation, Boston, MA

Don Buford, MD, Dallas PRP and Stem Cell Institute, Dallas, TX

Jason Dragoo, MD, Stanford University School of Medicine, Department of Orthopedic Surgery, Redwood City, CA

Jack Farr, MD, Knee Restoration Center of Indiana, Greenwood, IN

Alberto J. Panero, DO, SAC Regenerative Orthopedics, Sacramento, CA

Brian Shiple, DO, The Center for Sports Medicine, Springfield, PA

MODERATOR: **Danielle Aufiero, MD**, Orthohealing Center, Los Angeles, CA

FUNCTIONAL MEDICINE & BIOLOGIC RESEARCH

Effects of Age, Environment and Activity on Muscle Stem Cell Functioning

Fabrisia Ambrosio, MD, University of Pittsburgh School of Medicine, Department of Physical Medicine & Rehabilitation, Pittsburgh, PA

Masterful Care of the Aging Athlete

Vonda Wright, MD, Chief – Northside Hospital Sports Medicine & Orthopaedic Network, Atlanta, GA

Stem Cell Therapy to Combat the Opioid Epidemic and Reverse Opioid Tolerance

Jianguo Cheng, MD, PhD, FIPP, Cleveland Clinic Lerner Research Institute, Department of Pain Management, Cleveland, OH

A Purple Heart Recipient's Personal Story: How Regenerative Medicine Can Transform Lives

Michael Smyre & Paras Mehta, MD, Director of Whole Health for Veterans Affairs, Charlotte, NC

Healing Heroes: Orthobiologics in the US Military. Ongoing Musculoskeletal Grant DoD Projects

Gerard A. Malanga, MD, New Jersey Sports Medicine, Cedar Knolls, NJ

Day Two – TOBI 2019 Symposium

New Research, Protocol Updates & Networking with Global Field Leaders

- BASIC SCIENCE / PRE-CLINICAL
 - ORTHOPEDIC SURGERY & BIOLOGICS
 - SPINE & EMERGING SCIENCES
 - REGULATORY
 - PROTOCOLS & CME REVIEW
-

WELCOME

Allan Mishra, MD, Stanford University Medical Center, Menlo Park, CA

BASIC SCIENCE / PRE-CINICAL

The Proteomic Profile of PRP, A New Paradigm

Allan Mishra, MD, Stanford University Medical Center, Menlo Park, CA

More with Less: When Growth Factors Meet Fibrin

Eduardo Anitua, MD, Eduardo Anitua Foundation, Vitoria, Spain

Are Amniotic Fluid Products “Stem Cell” Therapies? Analysis for Mesenchymal Stem Cells with Bone Marrow Comparison

Alberto J. Panero, DO, SAC Regenerative Orthopedics, Sacramento, CA

All-Autologous Fibrin Glue: The Clot Thickens

Lisa Fortier, DVM, PhD, Cornell University College of Veterinary Medicine, Department of Clinical Sciences, Ithaca, NY

Cord Blood Cells Poorly Disguised as Stem Cells

Lisa Fortier, DVM, PhD, Cornell University College of Veterinary Medicine, Department of Clinical Sciences, Ithaca, NY

Use of Platelet-Rich Plasma Lysate Improves Bacterial Load and Outcomes of Staphylococcus Aureus Infectious Arthritis in Horses

Lauren Schnabel, DVM, PhD, NCSU College of Veterinary Medicine, Department of Clinical Sciences, Raleigh, NC

Should We Continue to Use the Term “Stem Cell”? What We Should be Focusing on in the Next 5 Years, 10 Years?

Arnold Caplan, PhD, Case Western Reserve University, Department of Biology, Cleveland, OH

Q&A: BASIC SCIENCE / PRE-CINICAL

Energy Break, Expo & Non-CME Product Theater

PRP Standardization and Cell Therapy Treatments in Orthobiologics

Robert Mariani, MD, RegenLab

ORTHOPEDIC SURGERY & BIOLOGICS

Meniscus Management: Appropriate Indications and Navigating the Spectrum of Options

Bert Mandelbaum, MD, Cedars-Sinai Kerlan-Jobe Institute, Los Angeles, CA

Hip Preservation: Osteotomies, cutting edge arthroscopic techniques and Biologics for Dysplasia and Early OA

Omer Mei-Dan, MD, University of Colorado School of Medicine, Department of Orthopedics, Denver, CO

Avoiding Knee Arthroplasty in the Young Patient: Osteotomy and Biologic Therapies

Mikel Sánchez Álvarez, MD, Arthroscopic Surgery Unit, Vittoria-Gasteiz, Spain

Pro Athlete Return to Play Algorithms: Pre, PRP, and Post Care – Joint, Tendon, Muscle Case Studies

Gonzalo Samitier, MD, PhD, FEBOT, Instituto Cugat, Barcelona, Spain

Managing Hip Chondral Lesions. Intraosseous (IO) Hip Infiltrations with PRP: 1 Year Outcome Results

Nicolás Fiz, MD, Arthroscopic Surgery Unit, Vitoria-Gasteiz, Spain

Q&A: ORTHOPEDIC SURGERY & BIOLOGICS

SPINE & EMERGING SCIENCES

First Ever Spine Biologics Guidelines. Research Update: Intra-discal PRP vs BMC vs Placebo, Randomized Controlled Trial

Annu Navani, MD, Comprehensive Spine and Sports Center, Campbell, CA

Novel Stem Cell Treatment to Reduce Pain and Mobility Issues Caused by Degenerative Disc Disease

David Copenhaver, MD, MPH, University of California at Davis, Department of Anesthesiology & Pain Management, Davis, CA

Randomized Controlled Trial: Amniotic Suspension vs Hyaluronic Acid and Normal Saline Intraarticular Injections for Improvement of Osteoarthritis Symptoms

Jack Farr, MD, Knee Restoration Center of Indiana, Greenwood, IN

Update on Orthobiologic Research at Mayo Clinic Including Gene Therapy for Osteoarthritis

Jacob L. Sellon, MD, Mayo Clinic, Department of Sports Medicine and Department of Physical Medicine and Rehabilitation, Rochester, MN

Q&A: SPINE & EMERGING SCIENCES

REGULATORY

Will PRP and Autologous Cell Therapies Ever be Approved and Covered by Insurance?

Navigating the Risks and Opportunities in Orthopaedic Regenerative Medicine

Scott Bruder, MD, PhD, Bruder Consulting International, LLC New York, NY

TOWN HALL Q&A: What Can and Can't I Do with Practicing Cell Medicine?

Scott Bruder, MD, PhD, Bruder Consulting International, LLC New York, NY

Amy Dow, JD, Epstein, Becker & Green Law, Chicago, IL

PROTOCOLS & CME REVIEW

Protocols: TOBI 2019 Takeaways

Nicholas R. Beatty, DO, Regenerative Sportscare Institute, New York, NY

CME Review: Claim TOBI 2019 Credits

Nicholas R. Beatty, DO, Regenerative Sportscare Institute, New York, NY

5:05 PM CLOSING COMMENTS

Steven Sampson, DO, The Orthohealing Center, Los Angeles, CA

Contact Us

Tel: 888-534-9970

E-mail: info@prpseminar.com

This educational course, provided as a service by The Orthobiologic Institute (TOBI), is presented by private, board-certified physicians, using successful techniques from their own practices. The course is for educational purposes only and is intended to assist the practitioner and patient in visualizing and understanding the procedure, and to act as an adjunct to other instructional information and one-on-one training and certification. Any practices, techniques, services, processes or other information in the course does not constitute training or certification to engage in or practice any such practices, techniques, services, processes, or otherwise utilize the information provided. The information is intended to serve as information which should be incorporated into practice only after thorough analysis by the practitioner and one-on-one training. This course is not intended to dictate physician and/or nurse practices. Refer to product instructions for specific product use and cautions. TOBI shall be held harmless and shall not be held liable for any complication or patient harm resulting from this course. Each physician is responsible for the technique he or she follow during the actual procedure. © The Orthobiologic Institute 2019.