



In collaboration with  
**AMERICAN SOCIETY OF  
INTERVENTIONAL PAIN PHYSICIANS**  
THE VOICE OF INTERVENTIONAL PAIN MANAGEMENT



# AGENDA

# 14TH ANNUAL TOBI ORTHOBIOLOGIC SYMPOSIUM

ELEVATE YOUR PRACTICE: LEARN FROM THE EXPERTS

# JUNE 8-10

**TOBI CADAVER LAB:**

**JUNE 8**

**LAB VENUE: OQUENDO, LAS VEGAS**

**TOBI SYMPOSIUM:**

**JUNE 9-10**

**WYNN, LAS VEGAS**

**REGISTER TODAY AT [TOBICONFERENCE.COM](http://TOBICONFERENCE.COM)  
OR SCAN THE QR CODE TO REGISTER**



## IMPORTANT MESSAGE FROM THE COURSE DIRECTORS

Dear Colleague,

We very much look forward to your participation in our upcoming conference!

This CME activity is provided as a service to physicians by The American Society of Interventional Pain Physicians (ASIPP) together with The Orthobiologic Institute (TOBI).

This CME activity will feature highly credentialed expert speakers presenting the latest science-based information in the rapidly evolving field of orthobiologic and regenerative medicine.

Please note that the CME activity is for continuing medical education purposes only, and is intended to assist the practitioner in visualizing and understanding the procedures presented. This CME activity is designed to act as an adjunct to other instructional information and one-on-one training and certification that the practitioner may receive.

Importantly, please understand that this CME activity does not constitute training or certification to engage in or practice any such practices, techniques, services, or processes, or otherwise

utilize the information provided. The information provided in the course should be incorporated into practice only after thorough analysis by the practitioner and receiving one-on-one training. This CME activity is not intended to dictate physician and/or nurse practices.

We hope to see you in Las Vegas in June!

Sincerely,  
Laxmaiah Manchikanti, MD;  
Steven Sampson, DO  
Course Directors

## CME AND GENERAL INFORMATION

### ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of The Institute for Medical Studies and The American Society of Interventional Pain Physicians. The Institute for Medical Studies is accredited by the ACCME to provide continuing medical education for physicians. ASIPP® is now an ABA Registered CME Provider

### CME ACTIVITY NEED, GOAL, AND LIMITATIONS

As evidenced by the establishment of departments of regenerative medicine within major academic medical centers, and by the evolution of regulatory positions, the field of orthobiologics and regenerative medicine is rapidly growing. In order to have an understanding of possible future directions in healthcare, physicians have a need to update their knowledge of this field and how it may affect their patients and their practices. The overall goal this CME activity is to present physicians and mid-level practitioners with an in-depth review of multiple areas of orthobiologic and regenerative medicine.

### OBJECTIVES

Upon completion of this CME activity, participants should be better able to

1. Discuss established and rapidly evolving concepts in regenerative medicine and orthobiologics.
2. Describe evolving regenerative medicine treatment options so as to be better prepared to answer patients' questions about these practices and procedures.

### IMPORTANT LIMITATION OF THIS CME ACTIVITY

This CME activity is for continuing medical education purposes only, and is intended only to assist the practitioner in visualizing and understanding the procedures presented. This CME activity is designed to act as an adjunct to other instructional information and one-on-one training and certification that the practitioner may receive.

Importantly, participation in this CME activity does not constitute training or certification to engage in or practice any techniques, services, or processes presented in the CME activity. Any information provided in this CME activity

should be incorporated into practice only after thorough analysis by the practitioner and receiving one-on-one training. This CME activity is not intended to dictate physician and/or nurse practices, nor to promote adoption of any practices presented. Each practicing physician is responsible for the techniques he or she may choose to practice with respect to any procedures discussed or presented in this CME activity.

### CATEGORY 1 CREDIT

The Institute for Medical Studies designates this live activity for a maximum of 23.5 AMA PRA Category 1 Credits™.

Please note that 8 AMA PRA Category 1 Credits™ are designated for the June 8 cadaver lab, and 15.5 AMA PRA Category 1 Credits™ are designated for the June 9-10 symposium. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physicians of Osteopathic Medicine – the American Osteopathic Association (AOA) accepts AMA PRA Category 1 Credits™ as AOA Category 2-B credit.

### PA, NP, AND RN CREDIT

**Physician Assistants:** The American Academy of Physician Assistants (AAPA) accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME.

**Nurse Practitioners:** The American Academy of Nurse Practitioners (AANP) accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME.

**APNs/RNs:** Most State Nursing Boards accept CE activities designated for AMA PRA Category 1 Credits™ towards re-licensure requirements. Check with your board to determine whether they will accept this CME activity towards your re-licensure. This activity is designated for up to 23.5 AMA PRA Category 1 Credit(s)™

### AMERICANS WITH DISABILITIES ACT AND SPECIAL SERVICES

Organizers fully comply with the legal requirements of the Americans with Disabilities Act and the rules and regulations thereof. If any participant in this educational activity is in need of accommodations, please contact the organizers at 270.554.9412 at least 10 days prior to the conference.

ASIPP® does not permit duplication or distribution of materials, or recording of lectures associated with this conference without the express written consent of the American Society of Interventional Pain Physicians. All rights reserved.



### ACCOMMODATIONS

**Wynn Las Vegas**  
3131 Las Vegas Blvd.  
Las Vegas, NV 89109  
(702) 770-7000 | (888) 320-7123  
wynnlasvegas.com

**Cut-off date for special room rates: May 17, 2023**

**In order to ensure you receive the room block rate of \$219-\$249 (plus resort fee) per night reference group name: Annual TOBI Orthobiologic Symposium.**

THE ORTHOBIOLOGIC INSTITUTE IN COLLABORATION WITH THE AMERICAN SOCIETY OF INTERVENTIONAL PAIN PHYSICIANS  
**14<sup>TH</sup> ANNUAL TOBI ORTHOBIOLOGIC SYMPOSIUM SCHEDULE**

Speakers and topics subject to change

**THURSDAY, JUNE 8, 2023**

<b>6:30am – 8:00am</b>	<b>REGISTRATION</b>
<b>8:00am – 11:00am</b>	<b>MEETING OPENS (CHOOSE YOUR TRACK)</b> 1. PRP and MSK Ultrasound 2. BMC, Adipose, and Intraosseous Injections 3. Spine
<b>11:00am – 12:00pm</b>	<b>LUNCH SYMPOSIUM</b> (Not Part of the CME Program, no CME credit)
<b>12:00pm</b>	Shuttle to Viticus Center Oquendo Campus
<b>12:30pm</b>	CME Hands-on Cadaver Lab at the Oquendo
<b>5:30pm</b>	Shuttle back to Wynn

**FRIDAY, JUNE 9, 2023**

<b>6:30am – 4:00pm</b>	<b>REGISTRATION</b>
<b>7:00am – 7:55am</b>	<b>BREAKFAST IN EXHIBIT HALL/PRODUCT THEATER</b>
<b>8:00am – 8:15am</b>	<b>WELCOME TO THE COURSE</b> <b>Laxmaiah Manchikanti, MD; Steven Sampson, DO and Rowan Paul, MD</b>
<b>8:15am – 9:00am</b>	<b>SAMPSON DISTINGUISHED LECTURE SERIES</b> Introduction by <b>Laxmaiah Manchikanti, MD</b>  The Influence of the Patient’s Biological Profile on Response to PRP; and Optimizing PRP Formulation: Are Higher Platelet Concentrations Better? <b>Mikel Sanchez, MD, PhD</b>
<b>9:00am – 10:45am</b>	<b>PRP</b> From My 2006 PRP Elbow Tendinosis Study to Now: Where We're Headed <b>Allan Mishra, MD</b> Treating Meniscus Tears with PRP Injections: Indications, Contraindications, Techniques, Results <b>Nicholas Fiz, MD</b> Utilizing Peripheral Nerve Blocks During Orthobiologic Procedures <b>Michael Khadavi, MD</b> Fibrin-based PRP Formulation: Optimizing Properties for Surgical Interventions <b>Nicholas Fiz, MD</b> ESSKA European Consensus on the Use of Injectable Orthobiologics for Knee Osteoarthritis Part 1 - Blood-derived Products (PRP) <b>Ramon Cugat, MD; Giuseppe Filardo, MD; Laura de Girolamo, MD; Boris Kocaoglu, MD;</b> <b>Elizaveta Kon, MD; Lior Laver, MD; Rodica Marinescu, MD; Mikel Sanchez, MD; Thomas Tischer, MD</b> PRP Panel Discussion, Scientific Debate and Open Discussion with Audience Participation
<b>10:45am – 11:15am</b>	<b>BREAK WITH EXHIBITORS/PRODUCT THEATER</b>
<b>11:15am – 12:30pm</b>	<b>BONE MARROW CONCENTRATE (BMC)</b> Maximizing MSCs from your Marrow Harvest: Cell analysis with aspiration demonstration <b>Sairam Atluri, MD</b> Enhancing the Patient Bone Marrow Harvest Experience <b>Paul Tortland, MD</b> Bone Marrow Aspiration Injection for Hip OA: Newly Published Results <b>Jaspal Ricky Singh, MD</b> Treatment of Canine Athletes with BMC & PRP that Translates to Humans <b>Sherman Canapp, DVM, MS, CCRT, DACVS, DACVSMR</b> BMC Panel Discussion, Scientific Debate and Open Discussion with Audience Participation

## THE ORTHOBIOLOGIC INSTITUTE IN COLLABORATION WITH THE AMERICAN SOCIETY OF INTERVENTIONAL PAIN PHYSICIANS 14<sup>TH</sup> ANNUAL TOBI ORTHOBIOLOGIC SYMPOSIUM SCHEDULE

### FRIDAY, JUNE 9, 2023 (CONTINUED)

- 12:30pm – 1:30pm**      **LUNCH SYMPOSIUM** (Not Part of the CME Program, no CME credit)
- 1:30pm – 3:30pm**      **HUMANITARIAN EFFORTS IN REGENERATIVE MEDICINE**  
Service-learning Opportunities in Underdeveloped Countries  
**Linh Vuong, MD**
- PRACTICE COMPLIANCE**  
Ten Things You Should Know About the Regulation of Orthobiologics  
**Andrew Ittleman, JD**
- Stories from an Expert Witness in Regenerative Medicine Legal Cases  
**Rikin Patel, DO**
- PANEL DISCUSSIONS WITH AUDIENCE PARTICIPATION**  
What Type of PRP Should I Use? WBC Rich or Poor PRP and What Concentration?  
**Mikel Sanchez MD, PhD; Nicholas Fiz, MD; Alberto Panero, DO; Allan Mishra, MD**
- Avoiding Complications: Expert Panel on Protocols for Prevention and Management  
**Rahul Desai, MD; Nicolas Fiz, MD; Brice Blatz, MD**
- How to Grow a Self-Pay Practice and Avoid Burnout  
**Rikin Patel, DO; John Ferrell, MD; Rahul Desai, MD; Anne Truong, MD**
- 3:30pm – 4:00pm**      **BREAK WITH EXHIBITORS/PRODUCT THEATER**
- 4:00pm – 6:00pm**      **ADIPOSE**  
Adipose Harvest with Demonstration: Pearls from a Plastic Surgeon's Perspective  
**Randy Miller, MD**
- Orthobiologic Case Experiences  
**John Ferrell, MD**
- Using Fat Grafting to Manipulate Wound Healing and Promote Inflammation Resolution  
**Lauren Kokai, PhD**
- Deciding Between Adipose and BMAC in Veterinary Medicine:  
Data Comparing MSK Ultrasound vs Needle Scope Delivery  
**Debra Canapp, DVM, CCRT, CVA, DACVSMR;**  
**Sherman Canapp, DVM, MS, CCRT, DACVS, DACVSMR**
- Adipose Panel Discussion, Scientific Debate and Open Discussion with Audience Participation
- REHABILITATION IN ORTHOBIOLOGICS**  
How to Use Shockwave with Surgery and Injections to Accelerate Healing  
**Martin O'Malley, MD**
- Optimizing Post Injection Rehab Protocols:  
Panel Discussion, Scientific Debate and Open Discussion with Audience Participation  
**Paul Tortland, DO; Carri Allen Jones, MD, MPH;**  
**Alberto Panero, DO; Brice Blatz MD**
- 6:00pm – 7:00pm**      **NETWORKING COCKTAIL RECEPTION**



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**SATURDAY, JUNE 10, 2023**

7:00am – 9:00am	<b>REGISTRATION</b>
7:00am – 8:00am	<b>BREAKFAST IN EXHIBIT HALL/PRODUCT THEATERS</b>
8:00am	<b>OPENING REMARKS</b> <b>Rowan Paul, MD</b>
8:05am – 10:00am	<b>SPINE</b> Disc Biologics: Where Do We Go from Here? <b>Annu Navani, MD</b> New Single-donor Study Comparing Two Commercial PRP Systems for Intradiscal Use <b>Chris Kyriakides, MD</b> Alternative Treatment of Craniocervical Instability Fusion Candidates with BMC: Data Analysis <b>Christopher Centeno, MD</b> Orthobiologics and Ablation: Combining Rhizotomy with PRP and BMC <b>Carri Allen Jones, MD, MPH</b> Cervical Spine as a Functional Unit: Treatment Options and Outcomes <b>Rahul Desai, MD</b> Ask Anything: Spine Panel Discussion with Q&A (includes all Spine session panelists)
10:00am – 10:30am	<b>BREAK WITH EXHIBITORS/PRODUCT THEATER</b>
10:30am – 12:00pm	<b>PEARLS FROM PIONEERS:</b> Optimal Knee and Shoulder Injection Candidates and Protocols <b>John Ferrell, MD; Paul Tortland, DO; Alberto Panero, DO; Brice Blatz, MD</b> Pearls to Building A Successful Self-Pay Orthobiologic Clinic <b>Anne Truong, MD</b> <b>INTRAOSSEOUS (IO) AND SUBCHONDRAL BONE THERAPIES</b> Office Based IO PRP Injections for Knee Osteoarthritis: Clinical Results Knee, Hip, Shoulder, and 1st MTP Injection Demonstrations <b>Antonio Rios Luna, MD</b> Intraosseous Post Procedure MRI Findings <b>Rahul Desai, MD</b> Does Platelet Dose Affect Results with IO PRP for Knee Osteoarthritis? <b>Jose Miguel Catalan, MD</b> Intraosseous Injections to Small Joints: Protocols and Techniques <b>Brice Blatz, MD</b> Ask Anything: Panel Discussion with Q&A
12:00pm – 1:00pm	<b>LUNCH SYMPOSIUM</b> (Sponsored by Legally Mine   Not Part of the CME Program, no CME credit)
1:00pm – 3:00pm	<b>ORTHOBIOLOGIC OUTCOMES: WHAT DOES THE DATA SAY?</b> Orthobiologic Injection Registry with 10,000 Captured Cases – Overall Trends and Analysis <b>Leah Braddell</b> QALY and Cost-Effective Analysis of BMC for Knee OA <b>Christopher Centeno, MD</b> Barriers and Insights with Data Collection: Comparing My Practice Results with Peers <b>Rowan Paul, MD</b>

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Course Directors: **Laxmaiah Manchikanti, MD; Steven Sampson, DO; Rowan Paul, MD**

**SATURDAY, JUNE 10, 2023 (CONTINUED)**

**1:00pm – 3:00pm**

**WHAT'S NEW?**

Photomedicine in the US Military: The Relationship of Orthobiologics, Photobiomodulation, Human Performance, Soft Tissue and Bone Stress Injuries

**Nelson Hager, MD**

Platelet Lysate Injections for Spine, Nerves, and Inflammatory Conditions

**John Knab, MD**

Ultrasound Guided Percutaneous ATFL Repair: A Novel Technique

**Kentaro Onishi, DO**

Miniature Scope Needle Guided Biologic Injections: When Why and How?

**Alberto Panero, DO**

Neuralgias that Mimic Knee Arthralgias

**Paul Tortland, DO**

**3:00pm – 3:30pm**

**BREAK WITH EXHIBITORS/PRODUCT THEATER**

**3:30pm – 5:30pm**

**SHOCKWAVE AND MODALITIES AS BIOLOGIC TOOLS**

Orthobiologics and Shockwave Applications for Tissue Healing: Evidence-based Practice

**Adam Tenforde, MD**

Alternatives to Opioids: Updated CDC Practice Guidelines and

Long Duration Ultrasound (LDU) + PRP vs PRP Alone for Sports Related Injuries

**Jason Krystofiak, MD**

Ask Us Anything: Panel Discussion with Q&A (All Faculty)

TOBI Takeaways

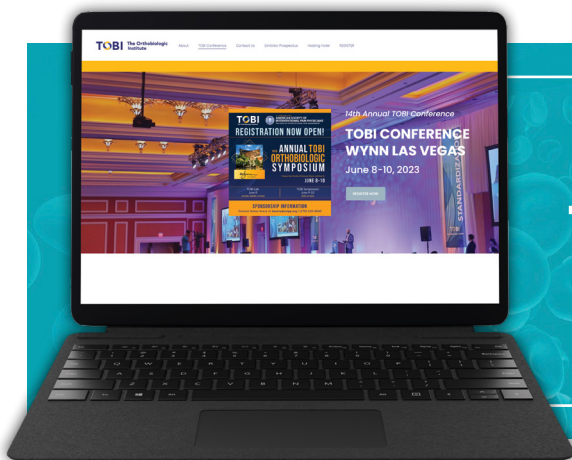
**Chris Marker, DO**

Closing Remarks

**Steven Sampson, DO**

**5:30 pm**

**CONFERENCE CONCLUDES**



**REGISTER ONLINE AT  
TOBICONFERENCE.COM  
OR SCAN THE QR CODE**



# 14<sup>TH</sup> ANNUAL TOBI ORTHOBIOLOGIC SYMPOSIUM REGISTRATION FORM

## PAYMENT METHOD

### CREDIT CARD

- MasterCard       VISA  
 American Express     Discover  
 Check

\_\_\_\_\_  
CREDIT CARD NUMBER

\_\_\_\_\_  
CARDHOLDER NAME

\_\_\_\_\_  
EXPIRATION DATE      SECURITY CODE

\_\_\_\_\_  
CHECK NUMBER

**MAIL COMPLETED FORM WITH CHECK OR  
PAYMENT INFORMATION TO:**  
ASIPP®, 81 Lakeview Drive, Paducah, KY 42001

**FAX COMPLETED FORM WITH  
PAYMENT INFORMATION TO:**  
270.554.5394

### CANCELLATION POLICY:

TOBI and ASIPP reserve the right to cancel this course upon reasonable notice and will assume no financial obligation to registrants for cancellation for reasons beyond its control. Registration fees may be refunded minus a 3.5% processing fee up until May 8, 2023. Costs incurred by the registrants, such as airline or hotel fees or penalties, are the responsibility of the registrants. TOBI and ASIPP require a 30-day written notice of cancellation. Cancellations must be submitted in writing to kavery@asipp.org by May 8, 2023. Cancellations after May 8, 2023 but prior to May 25, 2023 will forfeit 50% of their registration fee + a 3.5% processing fee. No refunds can be made after May 26, 2023.

## REGISTRATION FEES

**14<sup>th</sup> ANNUAL TOBI ORTHOBIOLOGIC SYMPOSIUM:** (Check the fee that applies)

- 2-Day Symposium Only.....\$1,995
- 2-Day Symposium + Hands-On Cadaver Workshop and Didactics\*.....\$2,995
- Hands-On Cadaver Workshop and Didactics Only\*.....\$2,000
- 2-Day Symposium (Fellows and Residents Pricing)<sup>†</sup>.....\$250
- 2-Day Symposium + Cadaver Workshop (Fellows and Residents Pricing)<sup>\*†</sup>.....\$500
- Industry Representative (Non-Exhibitor) Individual.....\$2,700

Total Fees: \$ \_\_\_\_\_

\* Cadaver Workshop attendees must select one of the following tracks:

- PRP & MSK Ultrasound (Beginner)
- BMC, Adipose, & Intraosseous (Intermediate)
- Spine Orthobiologics

If you selected a cadaver lab registration, you must complete the qualifying form to ensure your placement in the lab: <http://bit.ly/41k5KYx>

<sup>†</sup> If registering as a fellow, resident or medical student, please list name of fellowship program, university or hospital. Discount cannot be given without this information.

\_\_\_\_\_  
NAME OF SCHOOL OR HOSPITAL

## REGISTRANT INFORMATION

\_\_\_\_\_  
FIRST NAME      LAST NAME      CREDENTIALS  
*Please print exactly as you wish your name to appear*

\_\_\_\_\_  
ORGANIZATION

\_\_\_\_\_  
ADDRESS

\_\_\_\_\_  
CITY      STATE      ZIP      COUNTRY

\_\_\_\_\_  
PHONE      CELL      FAX

\_\_\_\_\_  
E-MAIL

Registration fee includes all sessions, breakfasts, lunches, coffee breaks, and electronic materials for the conference.

## REGISTRANT INFORMATION FOR CADAVER WORKSHOP ONLY (AVAILABLE ONLY TO PHYSICIANS)

### MEDICAL DEGREE:

- OMD    ODO    PhD    ODPM    OND

### PRIMARY SPECIALTY CERTIFICATION:

- Anesthesiology    Physiatry    Neurosurgery    Other: \_\_\_\_\_

### PAIN MEDICINE SUBSPECIALTY CERTIFICATION:

- American Board of Anesthesiology  
 American Board of Interventional Pain Physicians  
 Fellow of Interventional Pain Practice  
 American Board of Pain Medicine  
 Competency in Regenerative Medicine  
 Competency in Interventional Pain Management  
 Other: \_\_\_\_\_

### FELLOWSHIP TRAINING:

- Pain Medicine Spine Surgery    Sports Medicine    Other: \_\_\_\_\_

### YEARS IN INTERVENTIONAL PAIN MANAGEMENT PRACTICE:

- 0    1-5    6-10    10

### NUMBER OF YEARS EXPERIENCE IN REGENERATIVE MEDICINE:

- 0    1-5    6-10    10

### INDICATE THE TOTAL NUMBER OF PROCEDURES PERFORMED THE PAST YEAR:

Soft Tissue and Ligament Injections \_\_\_\_\_

Shoulder Injections \_\_\_\_\_ Elbow Injections \_\_\_\_\_

Wrist Injections \_\_\_\_\_ Hip Injections \_\_\_\_\_

Knee Injections \_\_\_\_\_ Ankle Injections \_\_\_\_\_

Sacroiliac Joint Injections \_\_\_\_\_

Caudal Epidural Injections \_\_\_\_\_

Lumbar Interlaminar Epidural Injections \_\_\_\_\_

Lumbar/Sacral Transforaminal Epidural Injections \_\_\_\_\_

Lumbar/Sacral Facet Joint Nerve Blocks \_\_\_\_\_

Lumbar Facet Joint Intraarticular Injections \_\_\_\_\_

Lumbar Discography \_\_\_\_\_ Pudendal Nerve Blocks \_\_\_\_\_

Ultrasound Guided Injections \_\_\_\_\_



American Society of  
Interventional Pain Physicians  
81 Lakeview Drive, Paducah, KY 42001  
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# 14TH ANNUAL TOBI ORTHOBIOLOGIC SYMPOSIUM

**MEETING VENUE:**

Wynn Las Vegas  
3131 Las Vegas Blvd. | Las Vegas, NV 89109  
(702) 770-7000

**MEETING INFORMATION:**

Karen Avery. 270.554.9412 ext: 4210 or kavery@asipp.org



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**AMERICAN SOCIETY OF  
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THE VOICE OF INTERVENTIONAL PAIN MANAGEMENT



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# JUNE 8-10