

MSK Ultrasound Guided Injection Training Course



**INSTRUCTOR: Michael Meng, DC,
RMSK, ARNP, FNP-BC, FIAAM**

Training location: Gulf Coast Biologics
4331 Veronica S Shoemaker Blvd,
Fort Myers, FL 33916

**September 20th
& 21st, 2024**

COURSE OBJECTIVES

- Develop proficiency in musculoskeletal (MSK) ultrasound imaging techniques for precise visualization of anatomical structures relevant to regenerative medicine injections.
- Discuss the principles and mechanisms of action behind various regenerative injection therapies, including platelet-rich plasma (PRP).
- Learn the art of needle placement and trajectory adjustments under ultrasound guidance to optimize accuracy and efficacy of injections.
- Practice injection techniques for common anatomical regions and pathologies, such as tendons, ligaments, joints, nerves, and soft tissue structures.
- Explore Platelet-Rich Plasma protocols and treatment algorithms tailored to specific musculoskeletal conditions, including tendonitis, osteoarthritis, ligament injuries, and more.
- Analyze and interpret ultrasound findings to guide clinical decision-making and treatment planning in regenerative medicine injections.
- Incorporate evidence-based practices and emerging technologies into injection therapies for improved patient outcomes and safety.
- Participate in the preparation of orthobiologic formulations from blood draw to delivery.
- Foster interdisciplinary collaboration and communication skills to facilitate comprehensive patient care and multidisciplinary treatment approaches.
- PRP Protocols: Outline differences in autologous biological preparation validation results, emphasizing platelet dosing and bioformulations.
- Identify sonoanatomy of shoulder, hip, and knee in live models.
- Demonstrate proper ultrasound scanning techniques in upper and lower extremities injectates.

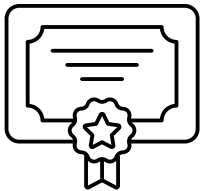


MSK Ultrasound Guided Injections
Email: support@gulfcoastbiologics.com

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Phone: 239-478-2284

COURSE OBJECTIVES CONTINUED

- Optimize outcomes through patient education, preparation, and post-procedure care.
- Demonstrate proficiency in identifying anatomical trigger point landmarks and performing injection based treatments
- Participate in hands-on workshops and live demonstrations to refine injection techniques under the guidance of experienced practitioners.



Upon completion of the course, receive continuing education credits and a certificate of proficiency, acknowledging your expertise in musculoskeletal ultrasound-guided injection techniques.

ACCREDITATION STATEMENT

In support of improving patient care, this activity has been planned and implemented by Albert Einstein College of Medicine-Montefiore Medical Center and Gulf Coast Biologics.

Albert Einstein College of Medicine-Montefiore Medical Center is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

CREDIT DESIGNATION STATEMENT

Albert Einstein College of Medicine – Montefiore Medical Center designates this live activity for a maximum

TBD AMA PRA Category 1 Credits™.

Physicians should claim only credit commensurate with the extent of their participation in this activity.

Montefiore Einstein



TRAINING AGENDA

Friday Schedule

Time	Location	Topic
7:30 – 8:00	Auditorium	BREAKFAST
8:00 – 8:05	Auditorium	WELCOME: Peter Everts PhD, FRSM
8:05 – 8:45	Auditorium	KNEE LECTURE: Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM: Review anatomy, sonoanatomy, conditions, and common pathologies: meniscus tears, ligament tears, pes anserine tendinobursal syndrome, and joints.
8:45 – 10:00	Boca Grande	KNEE WORKSHOP: Michael Meng, Leslie Aja RMSKS, Irizarry-Román MD: Practice hands on scanning and ultrasound guided injections.
10:00 – 10:15	Auditorium	BREAK
10:15 – 11:00	Boca Grande	KNEE WORKSHOP: Michael Meng, Leslie Aja, Irizarry-Román: Practice hands on scanning and ultrasound guided injections.
11:00 – 12:00	Auditorium	SHOULDER LECTURE: Michael Meng: Review anatomy, sonoanatomy, conditions, and common pathologies: labrum tears, rotator cuff tears, adhesive capsulitis, and joints
12:00 – 1:00	Auditorium	LUNCH
1:00 – 3:30	Boca Grande	SHOULDER WORKSHOP: Michael Meng, Leslie Aja, Irizarry-Román: Practice hands on scanning and ultrasound guided injections.
3:30 – 3:45	Auditorium	BREAK
3:45 – 5:00	Manasota Key	DEMONSTRATION: Michael Meng, Peter Everts, Leslie Aja, Ewa Profiruk: Autologous PRP Biologic Preparation and Validation. Live Model Ultrasound Guided Injection.
5:00 – 5:05	Auditorium	DAY 1 WRAP-UP: Peter Everts



TRAINING AGENDA

Saturday Schedule

Time	Location	Topic
7:30 - 8:00	Auditorium	BREAKFAST
8:00 - 8:05	Auditorium	WELCOME: Peter Everts
8:05 - 8:45	Auditorium	HIP LECTURE: Michael Meng: Review anatomy, sonoanatomy, conditions, and common pathologies: OA, labrum tears, trochanteric pain syndrome, and piriformis syndrome.
8:45 - 10:00	Boca Grande	HIP WORKSHOP: Michael Meng, Leslie Aja, Irizarry-Román: Practice hands on scanning and ultrasound guided injections.
10:00 - 10:15	Auditorium	BREAK
10:15 - 11:00	Auditorium	LECTURE: Peter Everts will present Significance of Orthobiological Formulation.
11:00 - 12:00	Auditorium	LECTURE: Irizarry-Román will present Treatment Protocols and Patient Care
12:00 - 1:00	Auditorium	LUNCH
1:00 - 2:00	Boca Grande	TRIGGER POINTS LECTURE AND DEMONSTRATION: Micheal Meng
2:00 - 3:00	Boca Grande	TRIGGER POINTS WORKSHOP: Michael Meng
3:00 - 3:15	Auditorium	BREAK
3:15 - 4:30	Manasota Key	DEMONSTRATION: Michael Meng, Peter Everts, Leslie Aja, Ewa Profiruk: Autologous PRP Biologic Preparation and Validation. Live Model Ultrasound Guided Injection.
4:30	Auditorium	CLOSING: Peter Everts



TRAINER HIGHLIGHTS

Meet Your Instructor Dr. Michael Meng



Dr. Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM came into Musculoskeletal Ultrasound shortly upon graduation from Chiropractic School, in 2003. Dr. Meng has contributed to multiple ultrasound textbooks with subjects ranging from diagnostics, pathologies, and interventions. Overall, he has been involved in the teaching of MSK ultrasound for 15 years and has more than 10 years of experience in regenerative medicine.

Peter Everts, PhD, FRSM Significance of Orthobiological Formulation



Peter Everts, Chief Scientific Officer, Gulf Coast Biologics, specializes in research and scientific publications in regenerative orthobiologics.

Dr. Moises Irizarry-Román, MD Treatment Protocols



With a passion for sports medicine, Dr. Irizarry-Román, has a long history of being the go-to practitioner for all levels of athletes. He works as a team sports physician for the Dixie Rodeo, and the Puerto Rico Islanders professional soccer team.

Live Demonstrations

Live product demonstration consisting of preparation and validation of Platelet-Rich Plasma (PRP) biologic formulation. Live patient demonstration of ultrasound guided injection procedure.



Ewa Profiruk
Clinical Support Specialist



Leslie Aja, RDMS, RVT, RMSKS
Clinical Ultrasound Educator



Heidi Columbo
Clinical Nurse Educator

Montefiore Einstein

