

MSK Ultrasound Guided Injection Training Course with Bone Marrow Aspiration Workshop



4331 Veronica S. Shoemaker Boulevard
Fort Myers, FL 33916



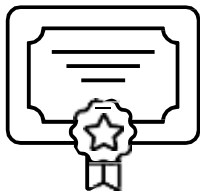
COURSE OBJECTIVES

- 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) and progenitor stem cell therapy.
- Review 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.
- Discuss strategies for patient positioning and probe manipulation to optimize ultrasound imaging and needle visualization during injections.
- Explore injection 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 hands-on workshops and live demonstrations to refine injection techniques under the guidance of experienced practitioners.
- Foster interdisciplinary collaboration and communication skills to facilitate comprehensive patient care and multidisciplinary treatment approaches.
- Review the latest technology in advanced autologous biologics, including clinical platelet-rich plasma, bone marrow aspirate and concentrate.

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COURSE OBJECTIVES (CONTINUED)

- Outline differences in autologous biological preparation validation results, emphasizing platelet dosing and bioformulations.
- Identify sonoanatomy of shoulder, hip, and knee in live models.
- Identify sonoanatomy of the PSIS for bone marrow aspiration in cadaver models.
- Assess the differences and potential of bone marrow aspiration methods as orthobiological injectates.



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

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 Current Concepts Institute and Gulf Coast Biologics Training and Education Center. The Current Concepts Institute is accredited by the ACCME to provide continuing medical education for physicians.



CREDIT DESIGNATION STATEMENT

The Current Concepts Institute designates this activity for a maximum of **TBD** AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



CURRENT CONCEPTS INSTITUTE

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TRAINING AGENDA

Friday Schedule

Time	Location	Topic
7:30 – 8:00	Auditorium	BREAKFAST
8:00 – 8:05	Auditorium	WELCOME: Patrick Pennie , President
8:05 – 8:40	Auditorium	BEYOND THE PLATELETS: Sina Farzaneh, PhD
8:40 – 9:15	Auditorium	SHOULDER AND KNEE: Intermediate Anatomy: Rowan Paul. MD
9:15 – 10:00	Auditorium	KNEE ULTRASOUND SCAN PROTOCOL AND PATHOLOGIES. Review ultrasound scan protocol and common pathologies treated with biologics, include more advanced scan techniques and nerve: Moises Irizarry-Román, MD.
10:00 – 10:15	BREAK	
10:15 – 11:00	Auditorium	SHOULDER ULTRASOUND SCAN PROTOCOL AND PATHOLOGIES. Review ultrasound scan protocol and common pathologies treated with biologics, include more advanced scan techniques and nerve: Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM
11:00 – 12:30	Boca Grande	WORKSHOPS: SHOULDER: Practice Ultrasound Scanning on live models and simulated injection guidance: Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM Rowan Paul. MD
	Captiva	WORKSHOPS: KNEE: Practice Ultrasound Scanning on live models and simulated injection guidance: Moises Irizarry- Román, MD. Leslie Aja, RDMS, RVT, RMSKS
12:30 – 1:15	LUNCH	
1:15 – 2:45	Boca Grande	WORKSHOPS: SHOULDER: Practice Ultrasound Scanning on live models and simulated injection guidance: Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM Rowan Paul. MD
	Captiva	WORKSHOPS: KNEE: Practice Ultrasound Scanning on live models and simulated injection guidance: Moises Irizarry- Román, MD. Leslie Aja, RDMS, RVT, RMSKS
2:45 – 3:00	BREAK	
3:00 – 3:30	Auditorium	BIOLOGIC DOSING CONSIDERATIONS: Rowan Paul MD.
3:30 – 4:15	Manasota Key Auditorium	Live PRP Injection: Moises Irizarry- Román, MD.
4:15 – 4:30	Auditorium	WRAP UP

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TRAINING AGENDA

Saturday Schedule

Time	Location	Topic
7:30 – 8:00	Auditorium	BREAKFAST
8:00 – 8:05	Auditorium	WELCOME: Sina Farzaneh, PhD
8:05 – 8:40	Auditorium	BUSINESS TALK: WHERE'S MY MONEY? Moises Irizarry-Román, MD.
8:40 – 9:15	Auditorium	HIP ULTRASOUND SCAN PROTOCOL AND PATHOLOGIES. Review ultrasound scan protocol and common pathologies treated with biologics, include more advanced scan techniques and nerve: Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM
9:15 – 9:45	Auditorium	INTRO TO BONE MARROW: Irizarry-Román: Review anatomy, sonoanatomy, conditions, and common pathologies treated with bone marrow. Moises Irizarry-Román, MD
9:45 – 10:00	BREAK	
10:00 – 12:00	Boca Grande	WORKSHOPS: HIP: Practice Ultrasound Scanning on live models and simulated injection guidance using a Needle Trainer: Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM Leslie Aja, RDMS, RVT, RMSKS
	Captiva	BONE MARROW ASPIRATION: Moises Irizarry-Román, MD BIOLOGIC PREPARATION: Ewa Profiruk Heidi Colombo
12:00 – 1:00	LUNCH	
1:00 – 3:00	Boca Grande	WORKSHOPS: HIP: Practice Ultrasound Scanning on live Models injection guidance using a Needle Trainer: Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM Leslie Aja, RDMS, RVT, RMSKS
	Captiva	WORKSHOPS : BONE MARROW ASPIRATION: Moises Irizarry-Román, MD WORKSHOPS: BIOLOGIC PREPARATION: Ewa Profiruk Heidi Colombo
3:00 – 3:15	BREAK	
3:15 – 4:15	Manasota Key Auditorium	LIVE PRP INJECTION: Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM
4:15 – 4:30	Auditorium	Closing Remarks

TRAINER HIGHLIGHTS



Meet Your Instructor

Michael Meng DC, RMSK, ARNP, FNP-BC, FIAAM

Dr. Michael Meng began his journey in Musculoskeletal Ultrasound shortly after graduating from chiropractic school in 2003. He has contributed to multiple ultrasound textbooks, covering topics ranging from diagnostics and pathologies to interventional techniques. With over 15 years of experience teaching MSK ultrasound and more than a decade in regenerative medicine, Michael brings deep expertise and clinical insight to the field.



Moises Irizarry-Román, MD

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



Rowan Paul, MD

Dr. Rowan V. Paul, MD is a pioneer in regenerative orthopedics with a background in family and sports medicine.



Sina Farzaneh, PhD

Scientific Director Sina Farzaneh, PhD, holds a doctorate in tissue engineering and brings extensive expertise in the medical sciences.

GULF COAST BIOLOGICSTEAM



Ewa Profiruk
Clinical Specialist



**Leslie Aja, RDMS, RVT,
RMSKS**
Clinical Ultrasound
Educator



Heidi Colombo
Clinical Nurse Educator