



Medical Training in REGENERATIVE MEDICINE

eco-msk
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www.eco-msk.es



OrtoBioMsk
DEBA Course
www.ortobiomsk.es

DEBA

www.aemr.es



AEMR
REGISTRATION

WHY ENROLL IN THIS COURSE?

At **AEMR**, we provide high-quality, contemporary, and highly practical medical training in regenerative medicine, utilizing modern teaching methodologies and delivered by expert professionals in the field.

A crucial course for those seeking to remain current in Regenerative Medicine as it pertains to the Musculoskeletal System.

Would you like to become acquainted with us?

WELCOME

Regenerative medicine embodies an innovative therapeutic strategy in the medical care for our patients, providing an innovative approach, which it provides a multitude of benefits (utilizing the principles of the DEBA Protocol for musculoskeletal disorders).

As medical professionals, comprehending and incorporating regenerative medicine into your practice not only positions you at the vanguard of medical innovation, but also It also enhances its capacity to deliver non-invasive therapies, with high percentage of favorable outcomes.

Its application in the management of musculoskeletal injuries, from muscle, ligament, tendon injuries, and osteoarthritis have been successfully addressed. Considerable attention due to its outcomes and its capacity to expedite the healing and alleviation of pain without the necessity for invasive surgery.



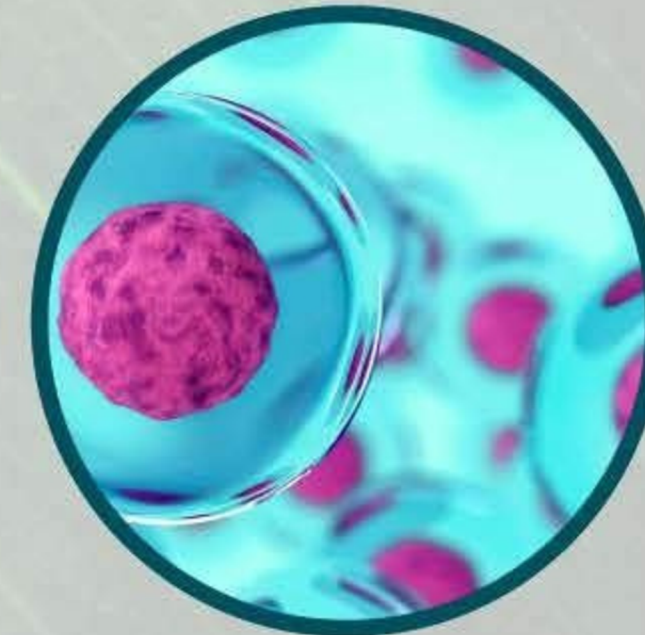
**The emergence of Regenerative Medicine in clinical practice
is an undeniable reality, emphasizing three lines of
treatment as biological therapies:**



Platelet-Rich
Plasma
(PRP)



Bone Marrow Aspirate
Concentrate (BMAC)



Adipose tissue-derived
mesenchymal cells
(AMAT)

In three levels, we will instruct the student in a clear, educational, and practical manner on how to integrate these concepts into their clinical practice from the ground up, progressively attaining a high level of technical proficiency in this area of medicine.

GOALS

Enhancing patient outcomes: Medical education

Regenerative medicine empowers clinicians with the expertise to provide treatments for cutting-edge technologies that can substantially enhance outcomes for the patients, particularly those who have not shown favorable responses to the conventional therapies.

Professional development: Engage in education related to regenerative medicine.

It can enhance its clinical capabilities and create new opportunities for advancement. professionalism. It signifies a dedication to ongoing learning and adaptation in a swiftly advancing domain.

Innovation in practice: Integrating regenerative therapies into your practice is not

It not only sets him apart from his colleagues but also benefits the community.medical, offering insights into treatment methodologies innovative and effective.





3 LEVELS



- **Level I: Online Course**

The online component of the course enables students to access all educational content flexibly and conveniently through guided video lessons, promoting self-paced learning. It is structured into 17 modules and 62 lessons, will commence on May 30, 2026, and will feature. **until February 2027 to finalize it.**

- **Level I I. Clinical Practices:**

Students will have the opportunity to apply their knowledge in clinics accredited by the AEMR®, where they can engage in procedures with actual patients under the guidance of experts. Their participation will be assessed by the center's director and will contribute to the final evaluation for obtaining the AEMR® certification.

- **Level I II. International Orthobiologics and Musculoskeletal Course:**

It encompasses in-person attendance at the VI International OrtoBioMsk Course from February 4th to 6th, 2027 (www.ortobiomsk.com), offering students an exceptional conclusion and the chance to engage with professors and medical students globally, exchange knowledge, and remain informed about the latest advancements in the field of regenerative medicine for the musculoskeletal system, as well as participate in the Cadaver Lab featuring highly instructive practices.



LEVEL I - METHODOLOGY

Level I of the Regenerative Medicine course is an online educational program designed to offer accessible and adaptable training in the burgeoning discipline of regenerative medicine.

Thanks to its digital format, students can access all the material educationally in a convenient manner, enabling them to learn to at their own pace and according to their own schedule.

This approach enables the incorporation of learning into the everyday routines of professionals. occupied, ensuring they can manage their obligations work and personal matters pertaining to their professional development.

LEVEL I - PROGRAM

Module 1: An Overview and Historical Context of Regenerative Medicine.

- L1. What is the rationale for enrolling in this course? Dr. Bernáldez
- L2. An overview of fundamental concepts in regenerative medicine. Dr. Bernáldez
- L3. Key milestones in the evolution of regenerative medicine. Dr. Bernáldez

Module 2: Pathophysiology of Musculoskeletal Injuries.

- L1. Muscle as an endocrine organ: Is there regenerative synergy? Dr. Santangelo
- L2. Mechanisms of tissue injury. Dr. Santangelo
- L3. Fundamental principles of tissue and cellular regeneration. Dr. Mora
- L4. Fundamentals of the DEBA Protocol. Dr. Bernáldez

Module 3: Biological Therapies Utilizing Platelet-Rich Plasma.

- L1. Principles of the therapeutic application of platelet-rich plasma (PRP). Dr. Bernáldez
- L2. Customized protocols and biological data. Dr. Bernáldez
- L3. Evidence and consensus regarding PRP in knee osteoarthritis. Dr. Dallo
- L4. Evidence and literature review of PRP in tendinopathies. Dr. Gallego
- L4A. Clinical applications of PRP in musculoskeletal injuries.
 - L4.1 Intra-articular PRP technique for the knee and hip, Dr. Lara
 - L4.2 Intra-articular PRP technique for the shoulder and ankle, Dr. Ardines
 - L4.3 Subchondral injections for bone marrow injuries, Dr. Dallo
 - L4.4 PRP in the management of chronic tendinopathies, Dr. Bernáldez
 - L4.5 Surgical combination: Biological augmentation in tendons, ligaments, labrum, and menisci, Dr. Bernáldez
 - L4.6 Platelet-rich plasma in nerve injuries and canalicular disorders, Dr. Bernáldez
 - L4.7 Insights into Regenerative Medicine for the Lumbar Spine, Dr. Giron
- L5. Nutritional preparation prior to PRP treatment, Dr. Grana
- L6. Applications of PRP in rheumatic diseases, Dr. León

Module 4: Bone Marrow Aspiration in Regenerative Medicine.

- L1. Collection and processing of bone marrow aspirate. Dr. Dallo
- L2. Recent clinical studies, indications, and outcomes in specific sports injuries.
- L3. Challenges and ethical considerations in the utilization of bone marrow aspiration. Dr. From

Module 5: Mesenchymal Cells of Adipose Tissue.

- L1. Characteristics and properties of mesenchymal cells in adipose tissue. Dr. Bernáldez
- L2. Proper liposuction techniques: tips and tricks. Dr. Bernáldez
- L3. Types and therapeutic applications in regenerative medicine. Dr. Bernáldez
- L4. Clinical studies and scientific evidence regarding musculoskeletal injuries. Dr. Bernáldez

Module 6: Complementary Biological Therapies.

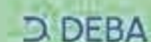
- L1. Prolotherapy: Indications, Techniques, and Outcomes Dr. Mora
- L2. Autologous Conditioned Serum and Cytokines: Distinctions from PRP Dr. Santángelo - L3. Alpha-2-Macroglobulin: Properties and Indications Dr. Mora
- L4. The Role of Ozone Therapy in Regenerative Medicine Dr. Fernández-Bravo
- L5. Principles and Indications of Shockwave Therapy Dr. Freitag
- L6. Application of Laser, Electrotherapy, and Magnetotherapy: Insights and Clinical Protocols Dr. Gallego

Module 7: Rehabilitation Protocols for Post-Regenerative Treatment.

- L1. The significance of rehabilitation in the recovery process. Dr. Girón
- L2. Development of tailored rehabilitation programs for patients undergoing Regenerative Medicine. Dr. Fernández-Bravo
- L3. A multidisciplinary approach to enhance outcomes. Dr. Fernández-Bravo

Module 8: Innovations in Diagnostic Imaging Techniques.

- L1. Imaging modalities employed in the diagnosis and monitoring of musculoskeletal injuries. Dr. A.S. Lara
- L2. Technological advancements and applications in regenerative medicine. Dr. Mora



Module 9: Ultrasound-Guided Therapies (EGT). Targeted at the lesion.

- L1. Guidelines for Executing an Effective TEG: Insights and Strategies. Dr. Bernáldez
- L2. Why do I refrain from conducting consultations without the presence of an ultrasound machine? Ten fundamental reasons. Dr. Bernaldez
- L3. Overview of the most common TEGs

9.1. Sonopathology and TEG of the shoulder. Hydrodilation technique for adhesive capsulitis. Dr. Fernández-Bravo. Barbotage puncture-aspiration technique for calcific tendinopathy. Dr. Bernáldez.

9.2. Sonopathology and TEG of the elbow, hand, and wrist by Dr. Fernández-Bravo.

9.3. Sonopathology and TEG of the Hip, Dr. Ardines

9.4. Sonopathology and TEG of the Knee, Dr. Bernáldez

9.5. Sonopathology and TEG of the Foot and Ankle Dr. Lara

9.6 Predominant Hydrodissection Techniques in Upper Limb Neuropathies Dr. Bernaldez

9.8 Most Common Hydrodissection Techniques in Lower Limb Neuropathies Dr. Bernaldez

Module 10: Ethical and Legal Considerations in Regenerative Medicine.

L1. Ethical considerations in research and clinical practice within regenerative medicine. Dr. Mora

L2. Legal framework and regulations governing the application of biological therapies. Dr. Friday

Module 11: Complications and Management of Adverse Outcomes.

L1. Identification and management of potential complications related to regenerative therapies. Dr. Bernáldez

L2. Strategies for risk mitigation and enhancement of patient safety. Dr. Bernaldez

Module 12: Managing a Regenerative Medicine Unit.

L1. Methodical operations within a Regenerative Medicine unit. Nursing Regenerative Medicine Unit Itramed (Logroño). Marta Jiménez-Muro

L2. Pre- and post-regenerative medicine protocols, essential for collaboration. Nursing Unit, Regenerative Medicine, OrtobioSevilla (Seville) + Paulino Martino Gutiérrez

For students with limited knowledge of musculoskeletal ultrasound, it is advisable to complete the Sonoanatomy course available on the "Eco-msk Course" platform at www.eco-msk.com prior to proceeding.

Module 13: Prospective Research Directions in Regenerative Medicine.

L1. Trends and perspectives in biomedical research and regenerative medicine. Dr. Sea

L2. Technological advancements and emerging areas of interest within the field. Dr. Mora

Module 14: Tools for Patient Communication and Education.

L1. Effective strategies for educating and communicating with patients regarding regenerative medicine. Dr. Gallego

L2. Creation of educational materials and informational resources for patients. Dr. Galician.

Module 15: Financial and Economic Considerations in Regenerative Medicine.

L1. Financial and economic factors in the execution of therapies regenerative. Dr. Morales

Module 16: Incorporation of Regenerative Medicine into Clinical Practice.

L1. Application of regenerative therapies in clinical practice. Dr. Bernáldez

L2. Interdisciplinary collaboration and coordination among the healthcare team. Dr. Bernaldez

Module 17: Conclusive Assessment and Future Outlook.

L1. Evaluation of knowledge gained during the course. Dr. Bernáldez

L2. Reflection on the influence of regenerative medicine on clinical practice and the future outlook of the field. Dr. Bernáldez



LEVEL II - Participation at AEMR Accredited Centers

The AEMR® workshops. facilitates in-person attendance and engagement in accredited clinics featuring comprehensive training in regenerative medicine that offers practical experience and theoretical knowledge, empowering you to implement these therapies safely and effectively in your clinical practice.



SportMe Medical Center
Sevilla



Clínica ITRAMED
Logroño



Clínica DKF
Madrid



Clínica RegenerActiva
Almería



Akro Clínica
Las Palmas de Gran Canaria



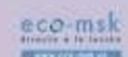
INVAMETD

Invametd
Valencia

LEVEL III - Participation in the VI International OrthobioMSK Course

Del 4 al 6 de Febrero de 2027

Sevilla



Issuance of Certificates

II Course AEMR



STUDENT TESTIMONIALS, SECOND EDITION



A practical and well-organized course featuring exceptional instructors. Pedro Bernáldez has served as a mentor and guide, providing me with tangible tools for my daily interactions with patients.

Dr. María Eugenia Navio Poussivert



An indispensable course. It offers practical, straightforward training with significant clinical value. The platform is highly user-friendly, and the teaching team is outstanding. I would enroll again without hesitation.

Dr. Gustavo Sosa Viáin



I successfully applied the knowledge I acquired from the very first week. The teaching staff is exceptional, and there is a genuine emphasis on clinical practice. Seize the opportunity to train with the best!

Dr. Breno



Dynamic, practical, and human-centered training. The mentoring sessions and webinars consistently provided me with support. I highly recommend this program to anyone seeking to advance in regenerative medicine.

Dra. Beatriz Romero



This course comes highly recommended for those seeking to incorporate regenerative medicine into their practice. Level II, featuring attendance at actual clinics, was outstanding.

Dr. Bernardo Moreno

AEMR ACCREDITATION

Upon completion of the three levels of the course on regenerative medicine applied to injuries of the Locomotor System, along with successfully completing an evaluation exam, you will receive a **Certificate accredited by the Spanish Academy of Regenerative Medicine (AEMR®) and the Continuing Education Commission of the Madrid Health Department.** National Health Service (NHS), healthcare professionals acquire numerous benefits that directly influence their clinical practice.



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COURSE FEE



Basic Option (Level I, Online Course)

Access to the seventeen modules and 62 lessons.

One-time payment of €4,550.

Complete Option (Level 1+11)

Includes the Online Course and participation in one of the AEMR-accredited medical centers (2 days).

A single payment of €6,000

Premium Option (Levels I, II, and III)

Completion of the course and attendance at the 4th International OrthobioMsk Course.

One-time payment option of €7,450

Most advisable option. Payment in two installments:

First payment of €6,000 (ticket)

Second payment of €1,450 (January 2027)

Bank transfer to:

Academia Española de Medicina Regenerativa

CIF B-19336221

C/Tabladilla 7 Bl D 8B 41013, Sevilla

Núm CC : **ES13 2100 7820 2702 0033 6910**

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REGISTRO AEMR

Atentamente

Luisa Salazar Ramírez

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