



## Diploma of Clinical Embryology, Reproductive Genetics & Andrology (DERGA)

**\*\*About DERGA:** Diploma of Clinical Embryology, Reproductive Genetics & Andrology\*\*

**Welcome** to the Diploma of Clinical Embryology, Reproductive Genetics & Andrology (DERGA), a premier program designed to provide specialized education and training in the field of reproductive medicine.

2024 - 2026



## DIPLOMA "DERGA"

Training Centre :  
Labomac IVF- Institute



Training Centre :  
IRIFIV





# MSERM Diploma

## Casablanca, Morocco

## About DERGA :

Diploma of Clinical Embryology, Reproductive Genetics & Andrology\*

Welcome to the Diploma of Clinical Embryology, Reproductive Genetics & Andrology (DERGA), a premier program designed to provide specialized education and training in the field of reproductive medicine.

### \*Program Overview:\*

DERGA is a comprehensive two-year diploma program that offers in-depth training in clinical embryology, reproductive genetics, and andrology. Developed and delivered by leading experts in the field, DERGA aims to equip participants with the knowledge, skills, and practical experience necessary to excel in various roles within the realm of reproductive medicine.

### \*Curriculum:\*

The DERGA curriculum covers a wide range of topics, including:

- Embryology techniques and laboratory procedures
- Reproductive genetics counseling and testing methodologies
- Andrology fundamentals and sperm analysis techniques
- Assisted reproductive technologies (ART), including in vitro fertilization (IVF) and intracytoplasmic sperm injection (ICSI)
- Quality control and regulatory compliance in reproductive medicine laboratories

### \*Program Highlights:\*

- Experienced Faculty: Learn from renowned experts and practitioners with extensive experience in reproductive medicine and laboratory techniques.
- Hands-On Training: Gain practical experience through laboratory sessions, clinical rotations, and supervised internships at leading fertility clinics and research institutions.
- Comprehensive Curriculum: Acquire a thorough understanding of the latest advancements and best practices in clinical embryology, reproductive genetics, and andrology.
- Career Opportunities: Expand your career opportunities and advance your professional development in the rapidly growing field of reproductive medicine.

### \*Who Should Apply:\*

DERGA is suitable for individuals seeking to pursue careers as clinical embryologists, reproductive genetic counselors, andrologists, or fertility laboratory technicians. Whether you're a recent graduate or a seasoned professional looking to enhance your skills, DERGA offers a tailored learning experience to suit your needs.

### \*Join Us:\*

Embark on a rewarding journey in reproductive medicine with the Diploma of Clinical Embryology, Reproductive Genetics & Andrology (DERGA). Apply now and take the first step toward a fulfilling career in this dynamic and impactful field.

For more information or to apply, please visit our website or contact us directly.

Feel free to customize this content to better reflect the specific features and benefits of the DERGA program offered by your institution.





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## Diploma Of Clinical Embryology, Reproductive Genetic & Andrology ( DERGA ) 2024 - 2026

Program outline for the Diploma of Clinical Embryology, Reproductive Genetics & Andrology (DERGA) for a duration of two years, from October 2024 to October 2026, including exam lists for every month:

### Year 1: October 2024 - September 2025

#### October 2024 - Introduction to Clinical Embryology and Andrology

MSERM-Platform ZOOM ----- 1 OCT 2024

- Introduction to reproductive genetics
- Basic laboratory techniques in embryology and andrology
- Semen analysis and sperm preparation techniques
- Introduction to reproductive endocrinology
- Internal training

Labomac IVF- Training Institute ----- 2-4 OCT 2024

4th Session exam Online -----31th OCT 2024

#### November 2024 - Gametogenesis and Fertilization.

MSERM-Platform ZOOM ----- 4th Nov, 2024

- Physiology of spermatogenesis and oogenesis
- Mechanisms of fertilization
- Laboratory procedures for assisted reproductive technologies (ART)
- Introduction to pre-implantation genetic testing
- Internal training

Labomac IVF- Training Institute ----- 5-7 Nov, 2024

4th Session exam Online -----29th Nov, 2024

#### December 2024 - Embryo Culture and Developmental Biology

MSERM-Platform ZOOM -----2nd Dec, 2024

- Embryo culture techniques
- Embryo morphology assessment
- Quality control in embryology laboratories
- Ethics in clinical embryology and andrology
- Internal training

Labomac IVF- Training Institute ----- 3-5 Dec, 2024

4th Session exam Online -----29th Dec, 2024





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### January 2025 - Reproductive Genetics

MSERM-Platform ZOOM -----1Jan, 2025

- Genetic disorders affecting fertility
- Chromosomal abnormalities and their impact on reproduction
- Genetic counseling and family planning
- Introduction to next-generation sequencing techniques
- Internal training

Labomac IVF- Training Institute ----- 2-4 Jan, 2025

4th Session exam Online -----31th Jan, 2025

### February 2025 - Assisted Reproductive Technologies (ART)

MSERM-Platform ZOOM -----3rd Feb, 2025

- In vitro fertilization (IVF)
- Intracytoplasmic sperm injection (ICSI)
- Embryo transfer techniques
- Cryopreservation of gametes and embryos
- Internal training

Labomac IVF- Training Institute ----- 4-6Feb, 2025

4th Session exam Online -----28th Feb, 2025

### March 2025 - Quality Control and Laboratory Management

MSERM-Platform ZOOM -----3rd Mar, 2025

- Quality management systems in reproductive laboratories
- Accreditation standards and compliance
- Equipment maintenance and calibration
- Personnel training and competency assessment
- \* Internal training

Labomac IVF- Training Institute ----- 4-6 Mar, 2025

4th Session exam Online -----28th Mar, 2025

### April 2025 - Clinical Andrology

MSERM-Platform ZOOM -----1st Apr, 2025

- Male factor infertility evaluation
- Advanced semen analysis techniques
- Testicular sperm extraction (TESE) and microdissection TESE (micro-TESE)
- Hormonal evaluation and treatment options for male infertility
- \* Internal training

Labomac IVF- Training Institute ----- 2-4 Apr, 2025

4th Session exam Online -----30th Apr, 2025





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### May 2025 - Endocrinology in Reproduction

MSERM-Platform ZOOM -----1st May, 2025

- Hormonal regulation of the menstrual cycle
- Ovarian stimulation protocols for ART
- Monitoring of ovarian response
- Management of ovarian hyperstimulation syndrome (OHSS)

\* Internal training

Labomac IVF- Training Institute ----- 2-4 May, 2025

4th Session exam Online -----31th May, 2025

### June 2025 - Pre-implantation Genetic Testing (PGT)

MSERM-Platform ZOOM -----3rd Jun, 2025

- PGT for aneuploidy (PGT-A)
- PGT for monogenic/single gene disorders (PGT-M)
- PGT for structural rearrangements (PGT-SR)
- Clinical applications and ethical considerations of PGT

\* Internal training

Labomac IVF- Training Institute ----- 4-6 Jun, 2025

4th Session exam Online -----28th Jun, 2025

### July 2025 - Laboratory Techniques in Reproductive Genetics

MSERM-Platform ZOOM -----1st Jul, 2025

- Polymerase chain reaction (PCR)
- Fluorescence in situ hybridization (FISH)
- Array comparative genomic hybridization (aCGH) and single-nucleotide polymorphism (SNP) microarrays
- Next-generation sequencing (NGS) techniques

\* Internal training

Labomac IVF- Training Institute ----- 4-7 Jul, 2025

4th Session exam Online -----30th Jul, 2025

### August 2025 - Advanced Topics in Clinical Embryology

MSERM-Platform ZOOM -----1 Aug, 2025

- Blastocyst culture and transfer
- Embryo biopsy techniques
- Embryo vitrification and warming
- Time-lapse imaging in embryology

\* Internal training

Labomac IVF- Training Institute ----- 2-4 Aug, 2025

4th Session exam Online -----31th Aug, 2025





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## Diploma Of Clinical Embryology, Reproductive Genetic & Andrology ( DERGA ) 2024 - 2026

### September 2025 - Research Project

MSERM-Platform ZOOM -----1st Sep, 2025

- Design and execution of a research project in clinical embryology, reproductive genetics, or andrology
- Data collection and analysis
- Presentation of research findings

\* Internal training

Labomac IVF- Training Institute ----- 2-4 Sep, 2025

Mid-Year EXAM - Part 1: exam Online -----19th Sep, 2025

## Year 2: October 2025 - October 2026

### October 2025 - Research Project (Continued)

MSERM-Platform ZOOM -----1st Oct, 2025

- Finalization of research project
- Completion of data analysis
- Preparation of research manuscript or thesis

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### October 2025. Laboratory Management and Quality Assurance:

MSERM-Platform ZOOM -----11 Oct, 2025

- Laboratory organization and workflow optimization
- Documentation and record-keeping in embryology laboratories
- Quality control measures and troubleshooting techniques

\* Internal training

Labomac IVF- Training Institute ----- 12-14 Oct, 2025

3th Session exam Online -----31th Oct, 2025







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### November 2025. Advanced Techniques in Reproductive Medicine:

MSERM-Platform ZOOM -----3rd Nov, 2025

- Blastocyst culture and transfer
- Time-lapse embryo imaging
- Endometrial receptivity assessment
- Intracytoplasmic morphologically selected sperm injection (IMSI)

\* Internal training

Labomac IVF- Training Institute ----- 4-7Nov, 2025

4th Session exam Online -----30th Nov, 2025

### December 2024 -Ethical and Legal Issues in Reproductive Medicine:

MSERM-Platform ZOOM -----3rd Dec, 2025

- Ethical considerations in assisted reproduction
- Legal frameworks and regulations governing reproductive technologies
- Patient rights and confidentiality in reproductive genetics

\* Internal training

Labomac IVF- Training Institute ----- 4-7 Dec, 2025

4th Session exam Online -----31th Dec, 2025

### January 2026 - Assisted Reproductive Technologies (ART):

MSERM-Platform ZOOM ----- 3rd Jan, 2026

- Overview of ART procedures (IVF, ICSI, etc.)
- Cryopreservation techniques for gametes and embryos
- Quality control and assurance in ART laboratories

\* Internal training

Labomac IVF- Training Institute ----- 4-6 Jan, 2026

3rd Session exam Online -----26th Jan, 2026

### February 2026 - Andrology and Male Infertility:

MSERM-Platform ZOOM -----3rd Feb, 2026

- Evaluation and management of male infertility
- Semen analysis and sperm function tests
- Advanced techniques in male reproductive medicine (e.g., sperm retrieval procedures)

\* Internal training

Labomac IVF- Training Institute ----- 4-6 Feb, 2026

3rd Session exam Online -----26th Feb, 2026





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### March 2026 - Laboratory Techniques in Embryology:

MSERM-Platform ZOOM ----- 3rd Mar, 2026

- Oocyte retrieval and handling
- Sperm preparation and analysis
- In vitro fertilization (IVF) techniques
- Embryo culture and evaluation

\* Internal training

Labomac IVF- Training Institute ----- 4-6 Mar, 2026

3rd Session exam Online -----23th Mar, 2026

### April 2025 - Internship and Practical Training:

MSERM-Platform ZOOM ----- 4th Apr, 2026

- Extended hands-on experience in embryology and andrology laboratories
- Clinical rotations in fertility clinics and reproductive medicine centers
- Mentorship by experienced embryologists, andrologists, and reproductive geneticists

\* Internal training

Labomac IVF- Training Institute ----- 5-6 Apr, 2026

3rd Session exam Online -----24th Apr, 2026

### May 2026 - Clinical Applications of Reproductive Genetics:

MSERM-Platform ZOOM -----5th May, 2026

- Molecular techniques in reproductive genetics (PCR, sequencing, etc.)
- Diagnosis and management of genetic disorders in reproductive medicine
- Genetic screening and counseling for couples undergoing fertility treatment

\* Internal training

Labomac IVF- Training Institute ----- 6-8 May, 2026

3rd Session exam Online -----25th May, 2026

### \*June 2025 - ART Procedures - Advanced - Part 1

MSERM-Platform ZOOM -----6th Jun, 2026

- Assisted Hatching
- Vitriification
- Management of Cryopreserved Gametes and Embryos

\* Internal training

Labomac IVF- Training Institute ----- 7-9 Jun, 2026

3rd Session exam Online -----26th Jun, 2026





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## July 2026 to September 2026 - Clinical Internship

### July 2026 to September 2026 - Clinical Internship

MSERM-Platform \* Internal training

Labomac IVF- Training Institute :

7 - 17 July 2026

8 - 18 August 2026

9 - 19 September 2026

- Rotation through various departments of assisted reproductive clinics or research laboratories
- Hands-on experience in gamete handling, embryo culture, and laboratory techniques
- Observation of clinical procedures and patient interactions
- Participation in research projects and quality assurance activities

#### 4th Session exam in the labs:

17 July 2026

18 August 2026

19 September 2026

## October 2026 - Final Examination

Final Assessment and Certification:\* ----- 9 Oct, 2026

- Comprehensive examination covering all aspects of clinical embryology, reproductive genetics, and andrology
- Practical assessments of laboratory techniques and procedures
- Presentation of research project findings
  - Submission of a research project or thesis
  - Awarding of the Diploma of Clinical Embryology,

Reproductive Genetics &amp; Andrology (DERGA) upon successful completion



Moroccan Society  
for Endometriosis  
and Reproductive  
Medicine  
SCIENTIFIC RESEARCH

1, Rue Mansour Saadi 20100 Quartier Racine - Casablanca Kingdom of Morocco

Tele : +212 5 22 39 73 39 - Phone: +212 6 69 85 62 55 - Fax : +212 5 22 39 25 33

www.msrm-congress.org / www.msrm.org

E-mail : msrm-congress@msrm.org / info@msrm.org



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**Note: A breakdown of the supervisors and their responsibilities for preparing the scientific program, monthly examination schedule, and academic curricula:**

## Supervisors:

### 1. Pr. D. Sarah

- Responsible for overseeing the development of the scientific program.
- Provides guidance on the selection of topics and speakers for each month.
- Ensures that the program aligns with the curriculum objectives and educational goals.

### 2. Pr. E. Jack

- Collaborates with Pr. D. Sarah in designing the scientific program.
- Offers expertise in specific areas of clinical embryology, reproductive genetics, and andrology.
- Assists in organizing guest lectures and workshops to enhance the learning experience.

### 3. Dr. J. Oslin

- Leads the coordination of the monthly examination schedule.
- Designs examination formats and ensures the assessments are comprehensive and aligned with the curriculum.
- Collaborates with other supervisors to establish grading criteria and evaluation methods.

### 4. Dr. K. Seline

- Contributes to the development of the academic curricula.
- Provides input on course content, learning objectives, and teaching methodologies.
- Offers insights into current research trends and advancements in the field for integration into the curriculum.

### 5. Dr. Z. Mustafa

- Assists in organizing scientific events and conferences related to clinical embryology, reproductive genetics, and andrology.
- Collaborates with Pr. D. Sarah and Pr. E. Jack to invite guest speakers and experts for special lectures.
- Facilitates networking opportunities for students and faculty within the scientific community.





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**Note: A breakdown of the supervisors and their responsibilities for preparing the scientific program, monthly examination schedule, and academic curricula:**

## 6. Dr. H. Eva

- Supports Dr. J. Oslin in coordinating the monthly examination schedule.
- Participates in the development of examination questions and assessment tools.
- Helps monitor student progress and provides feedback on performance.

## 7. Dr. V. Adams

- Assists in reviewing and updating the academic curricula as needed.
- Provides expertise in educational research and curriculum development.
- Offers mentorship and support to faculty members and students in academic matters.

Together, this team of supervisors ensures the successful implementation of the DERGA program, fostering a conducive learning environment and preparing students for careers in clinical embryology, reproductive genetics, and andrology.

This comprehensive two-year program provides participants with an in-depth understanding of reproductive medicine, genetics, and laboratory techniques, preparing them for advanced careers in clinical practice, research, and laboratory management within the field of reproductive medicine.

الجمعية المغربية لطبانة الرحم و طب الإنجاب



DATE

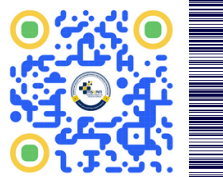
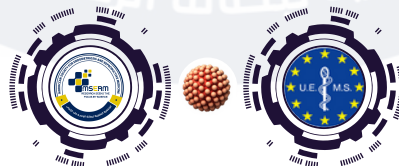
Geneva Switzerland, Wednesday,  
March 6, 2024

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## Training diploma template





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## Student ID Card template



**DIPLOMA OF SENIOR CLINICAL EMBRYOLOGY, REPRODUCTIVE GENETIC & ANDROLOGY (DERGA)**

**STUDENT ID CARD**

Accreditation by EUMS



Name : Ferhat CENGIZ  
ID : DER-446-68GA  
D.O.B : 1/10/2024  
P.T.C : Labomac - IVF Institute  
Country : Turkey




The Moroccan Society for Endometriosis and Reproductive Medicine "MSERM"

### TERMS AND CONDITIONS

- Students must keep their student ID card with the card number when entering and leaving Labomac Training Institute, as well as when attending monthly lectures and examinations.
- A specific time must be respected in the diploma program regarding monthly exams, knowing that all results will be uploaded to EUMS monthly from the cumulative average of results monthly. Good luck to everyone.

1st, Mansour Saadi Street, Racine, Casablanca, Morocco. CP 20100

[www.msERM.org](http://www.msERM.org)



DATE

Geneva Switzerland, Wednesday,  
March 6, 2024

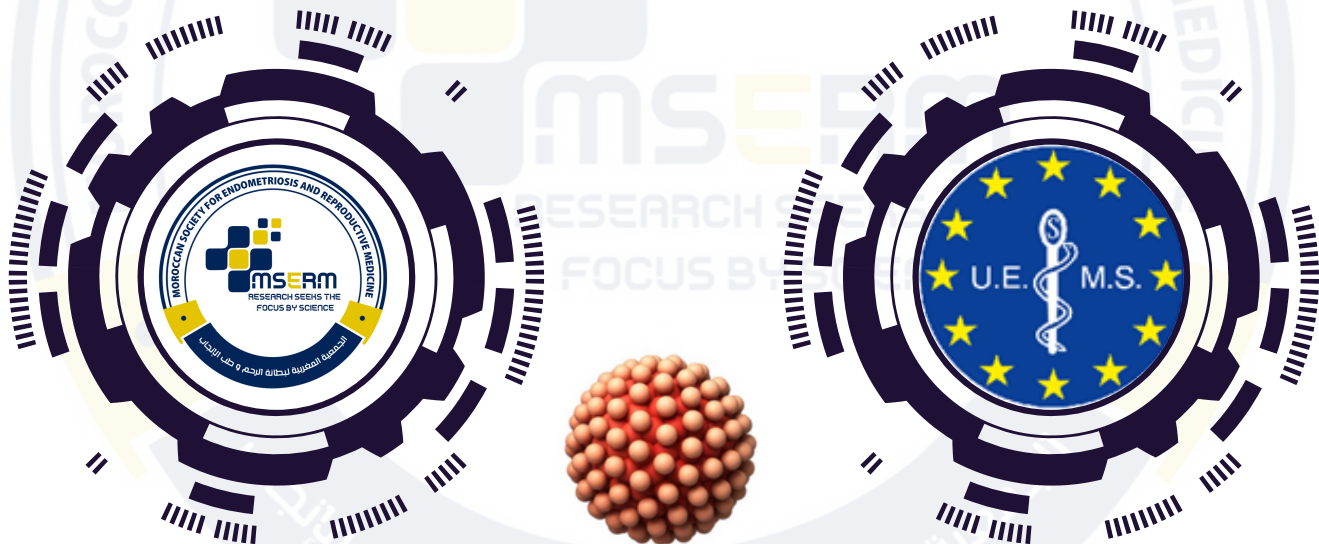
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Accredited by EUMS"



Training Centre :  
Labomac IVF- Institute & IRIFIV



1, Rue Mansour Saadi 20100 Quartier Racine - Casablanca Kingdom of Morocco  
Tele : +212 5 22 39 73 39 - Phone: +212 6 69 85 62 55 - Fax : +212 5 22 39 25 33  
[www.msERM-congress.org](http://www.msERM-congress.org) / [www.msERM.org](http://www.msERM.org)  
E-mail : [msERM-congress@msERM.org](mailto:msERM-congress@msERM.org) / [info@msERM.org](mailto:info@msERM.org)



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