CITMER

Reproductive
Medicine

ART Training Program

MODULE 1: MANUAL SEMEN ANALYSIS

MODULE 2: SPERM MORPHOLOGY

MODULE 3: ADVANCED ANDROLOGY TECHNIQUES

MODULE 4: SPERM PREPARATION AND CRYOPRESERVATION

MODULE 5: OOCYTE AND EMBRYO HANDLING, CULTURE AND TRANSFER

MODULE 6: IVF/ICSI/ MICRO MANIPULATION

MODULE 7: OOCYTE AND EMBRYO VITRIFICATION

MODULE 8: EMBRYO BIOPSY AND TUBING

COLLABORATIONS

Instituto de Biotecnología
UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO

Red Latinoamericana de Reproducción Asistida

EMBCOL
American College of Embryology

asrm
American Society for Reproductive Medicine

American Center for Reproductive Medicine

Israel Maldonado

Israel is owner and CEO of the IVF Clinic CITMER Reproductive Medicine with branches in three mexican cities. He was trained as Clinical Embryologist at Instituto Valenciano de Infertilidad at Valencia, Spain, and recieved additional training at Kato Ladies Clinic in Japan.

EMBRIOLOGIST ISRAEL MALDONADO

Embryologist of the month November 2020 by American College of Embryology

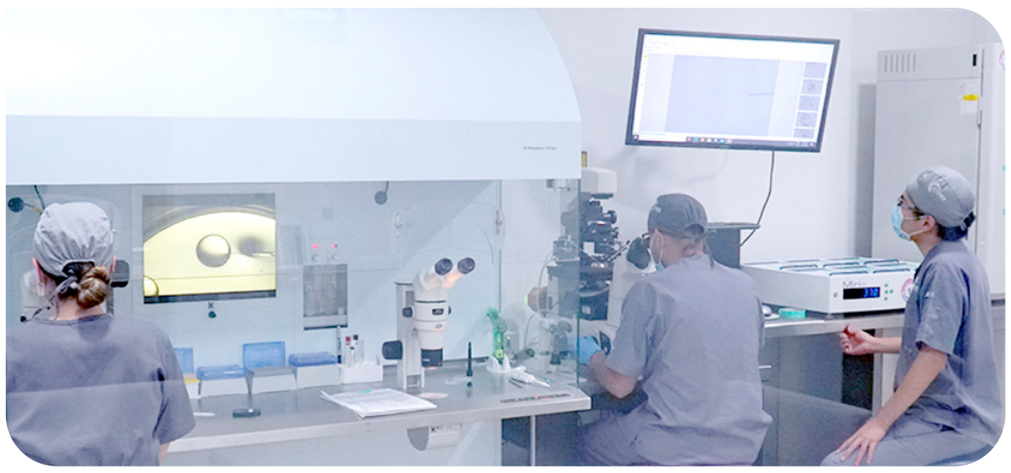
CITMER is a top quality IVF clinic, with up to 1000 cases per year overall for the three clinics. CITMER aims to be the best solution in reproductive medicine to acomplish patient's dream to become parents through a warm and personalized attention by highly experienced workforce. This is focused on treatments success and patient satisfaction, based on state-of-the-art technology.

ONLY MEXICAN CLINIC ACREDITTED BY THE AMERICAN COLLEGE OF EMBRYOLOGY

Training program in Assisted Reproductive Technology (ART)

We offer a unique opportunity to learn the latest techniques in this rapidly changing subspecialty at one of the latin-american's premier ART centers:

- World-class faculty
- State-of-the-art training facilities
- Personalized hands-on training Multiple
- comprehensive training modules
- Tremendous satisfaction rates
- Certificate of Training awarded at the end of training



This intensive course is available exclusively to scientists and physicians with specific interest in gynecology, andrology or embryology as well as other health professionals such as embryologists, reproductive biologists and technologists.

- In vitro fertilization (IVF)
- Intracytoplasmic sperm injection (ICSI)
- Gamete and embryo cryopreservation
- Routine and advanced tests in andrology

Program

Module 1: Manual semen analysis

- Traditional approaches of semen assessment to the evaluation of male fertility potential.
- Macroscopic and microscopic evaluation of semen
- Daily quality control, WHO 2010 and 2021 manual.

Module 2: Sperm morphology

- Kruger's strict criteria importance
- Sperm morphology step-by-step protocol

Module 3: Advanced andrology techniques

- Laboratory semen assessment beyond routine procedures.
- Assessment of prooxidant- antioxidant semen profile: reactive oxygen species (ROS) levels, total antioxidant capacity (TAC), and oxidation-reduction potential (ORP)
- Methods to evaluate sperm DNA fragmentation.

Module 4: Sperm preparation and cryopreservation

- To discuss sperm-processing and cryopreservation techniques and provide a Step-by-step protocol.

Module 5: Oocyte and embryo handling, culture and transfer

- Indication to oocyte denudation
- Laboratory routine procedures to perform oocyte retrieval, denudation, insemination, culture and transfer.
- To provide an update on core variables within the embryology laboratory.
- To apply these approaches to implement efficient control of variables

Module 6: IVF/ICSI/ micromanipu- lation

- Indication to IVF of ICSI
- Develop an understanding of the decision process regarding the determination of appropriate oocyte insemination.
- Conventional IVF protocol
- Overview of micromanipulators and integration to microscopes

Module 7: Oocyte and embryo vitrification

- To provide knowledge of different cryoprotectants and understand the mechanism of action, as well as the advantages and disadvantages of different categories of cryoprotectants.
- To describe the methodology, logistics, and technical aspects related to oocyte and embryo vitrification

Module 8: Embryo biopsy and tubing

- To present the applications of blastocyst-stage biopsy.
- Overview of biopsy and tubing protocols.
- To review the objectives and means of gene testings using embryonic cells.