

Program

Assisted Reproduction Fundamentals

[Module 1. Genetics](#)

- 1.1 General information about genetics
- 1.2 Human genome
- 1.3 Chromosomes
- 1.4 Milestones of genetics
- 1.5 Change of era: Genomic Era
- 1.6 Genetics in Reproductive Medicine
- 1.7 Paradigm shift

[Module 2. Legal Aspects of Assisted Reproduction](#)

- 2.1 Legislation
- 2.2 Patients and donors
- 2.3 Preimplantation testing
- 2.4 Preservation of fertility

[Module 3. Laboratory Procedures](#)

- 3.1 Follicular puncture

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3.2 Recovery and capacitation of seminal samples

3.3 Denudation

3.4 ICSI

3.5 Evaluation of the fertilization

3.6 Embryo development

3.7 EmbryoScope

3.8 Embryo biopsy

3.9 Oocyte and embryo vitrification

3.10 Oocyte and embryo warming

[Module 4. Present and future in the Assisted Reproduction: Ovarian Rejuvenation](#)

4.1 Aging

4.2 Ovarian reserve

4.3 Ovarian rejuvenation

4.4 Cell therapy

4.5 Studies

4.6 ASCOT

4.7 IVF cycles

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[Module 5. Glossary of terms](#)