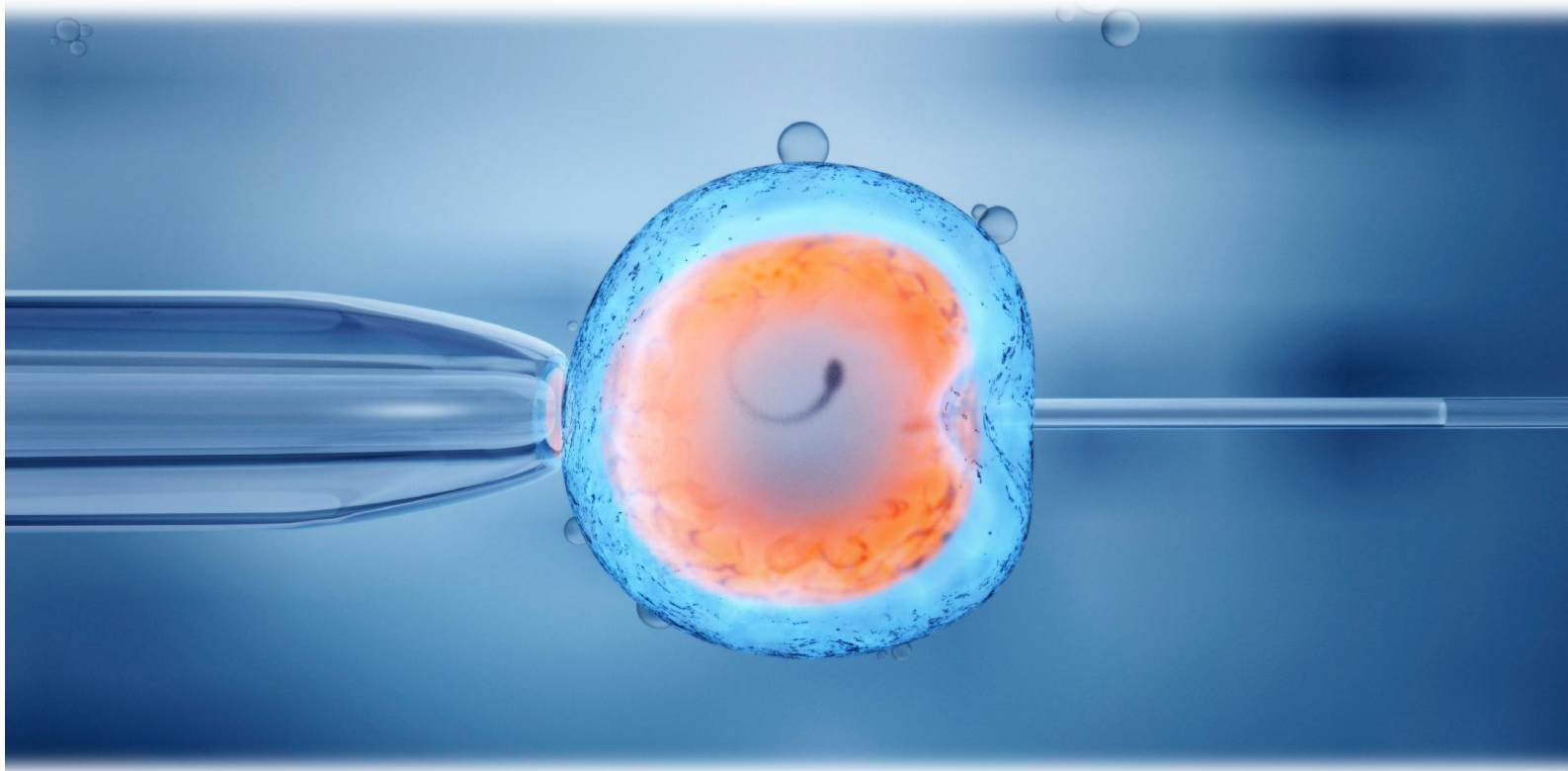


Professional Diploma of IN-VITRO FERTILIZATION 2022



ASFMS
الجمعية العربية لطب وجراحة الجنين

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Where **Success** Begins.....

Professional Diploma OF IN-VITRO FERTILIZATION

Professional Diploma of In-Vitro Fertilization offers advanced education based upon thorough experience in this very diverse science & many years of real experience with a magnitude of patients faced with the challenge of the inability to conceive.

The Diploma combines theoretical-practical training, then an exam.

Candidates will have to complete mandatory training hours, which comprises 100 training hours.

Finally candidates will have to pass an exam to be a distinguished holder of Professional Diploma of IVF, after Success in exam the Egyptian Candidates will take a card as a Specialist of IVF From Egyptian medical syndicate.

EDUCATIONAL GOALS:

Our aim is to walk our trainees step by step, & teach them from zero knowledge up to being a professional practitioner in IVF. Participants will receive high-end training in all relevant aspects for thorough & confident practice in IVF. Professional Diploma shall be provided by experts with a consolidated reputation & experience in clinical practice, teaching & research.

Specific goals of Professional Diploma of IVF:

- 1) To provide participants with up-to-date knowledge & skills in all aspects of IVF & pre-conception diagnosis methods covering all IVF conditions.
- 2) To create a space to share experiences & knowledge with the experts, in an ongoing learning experience. Professional Diploma teaching experience does not end with the end of our fellowship time frame as you shall receive face-to-face training with real cases focusing on very specific aspects of IVF.
- 3) To promote debate & critical thinking about new advances in IVF, as nouvelle modalities are always introduced into the arena of the life transforming chefs, reflecting clearly on take home babies.
- 4) To get in touch & learn from the clinical & research organizations of large academic hospitals, being dedicated centers in IVF.

SPECIFIC INFORMATION

IVF ultra-specialized training is addressed to any graduate of Medical School, as trainees will be taught from stage zero-experience till total competence & expertise in IVF.

Language:
English.

Duration & dates:
12 months; divided into SIX modules .

Direction & Scientific Committee:
Scientific Committee of the ASFMS.

Main components of the Fellowship:

1. Theoretical Education.
2. Practical Training (The Log book).
3. Exam: Theoretical & Practical exam (Success Rate at least 70%).
4. Candidates will be accredited by Egyptian medical syndicate (for Egyptian).

1. Theoretical Education

1. Onsite Live Contents:

The teaching program includes 6 thematic modules covering all relevant aspects for the practice of Infertility. Each module is open for completion by participants and includes:

- **MODULE 1: Infertility.**
- **MODULE 2: Gynaecological Ultrasound.**
- **MODULE 3: Basic IVF.**
- **MODULE 4: Hysteroscopy & Infertility.**
- **MODULE 5: Advanced IVF.**
- **MODULE 6: IVF Lab.**

1.2. Onsite Live Theoretical Teaching:

Depending on the module, an average of four days to six days is offered for one to one training (in each module).

2. PRACTICAL TRAINING:

1. On-site Hands on Training Sessions (The Log Book):

Participants will be asked to complete 100 hours as hands-on with real patients as their mandatory training hours with the ASFMS.

2. Self-training (The Log Book):

For each module: Our team of trainees will be requested to record & take notes of all scenarios they were taught in IVF, cases they have assisted in & what they have been able to accomplish totally on their own without any assistance.

MODULE 1: Infertility in practice.

MODULE 2: Gynaecological ultrasound with all anatomical standard sections & U/S relevant images of Folliculometry, Uterine measurements used in different clinical & induction protocol scenarios.

MODULE 3: All you need to know about Basic IVF protocols.

MODULE 4: Hysteroscopy & its relevance in Infertility treatments.

MODULE 5: Advanced IVF & all about poor responders along with patients with medical challenges.

MODULE 6: Importance of IVF lab language & new modalities.

3. Examination:

At the end of all modules, the participant must pass a theoretical and practical exam (success rate at least 70%), Egyptian Candidates will be accredited as IVF specialist from Egyptian medical Syndicate(for Egyptian).

4.1. Application period:

The people selected will receive an e-mail containing instructions. People who were not accepted will receive an e-mail within the same time frame telling them that their application was not accepted.

4.2. Requirements:

- IVF ultra-specialized training is addressed to any graduate of Medical School, as trainees will be taught from stage zero-experience till competence & expertise in IVF.
- Students must be able to demonstrate competence in English.
- The Medical School Graduation Certificate.
- The most recent C.V.
- Must be specialist in obstetrics & gynecology.

Details of the Modules

First Module: Infertility

1. The eternal swimmer that never got tired: Male Infertility.
2. It's the factory of love & life: The Ovary.
3. Meet the Fallopian: A look into the fine pipe.
4. MiniPlanet Earth: The Uterus.
5. The osis we dont like in Medicine: Endometriosis & Infertility.
6. I need an explanation doctor: Unexplained Infertility.
7. Do you really need to burn her: Laparoscopic Ovarian Drilling.
8. Living on the fast lane: Intrauterine Insemination IUI.
9. Health is wealth: Management of infertility & how to prepare a healthy patient & a healthy partner.
10. Too many sleeping babies: Polycystic Ovary Syndrome.
11. Curvy is not always beautiful: Obesity & Infertility.
12. Dreams do come true: Infertility treatments above 40.
13. From stimulus to cumulus: Medical concept of IVF & Gonadotropin ovarian stimulation.
14. Anaemia not our sole challenge: Unexplained recurrent pregnancy loss.
15. No wall too high for love: Thyroid dysfunction / DM / SLE / ITP / ONE OVARY / Hydrosalpinx & Infertility.
16. More is less: Prevention of Ovarian Hyper-stimulation Syndrome in non-IVF cycles.
17. Her monthly walk on the red carpet: Reproductive physiology & menstrual cycle sequence of events.
18. The future yummy mummy: Prevention of female Infertility.
19. It takes more than rippled muscles: Prevention of male Infertility.
20. Playing music with the Maestro: Assessment of ovulation.
21. Too young to marry or too young to carry: Adolescent Polycystic Ovary Syndrome.
22. This house is too big for me: Update on Uterine spraining surgery for Adenomyosis to improve fertility.
23. Oxygen as the molecule of life: How to apply antioxidants for female subfertility.
24. I think we met before: Polycystic Ovary Syndrome subtypes.
25. Running the race with / not against time: All about Ovarian reserve.

Second module: Gynecological Ultrasound

1. Probes & Probability: Selection & set up of the U/S machine to ensure safe & optimal use to include appropriate probe selection & orientation.
2. Lamina with stamina: Accurate measurement of the Endometrium in the accepted Sagittal Plane.
3. The house garden needs care too: Assessment of the Adnexal regions & accurate identification of the normal Ovaries (Folliculometry, Aspiration of ovarian cyst) , normal Fallopian tubes & normal Pelvic fluid.
4. Treasure in the measure: Accurate measurement of normal and abnormal Adnexal Structures: Mean Diameter & Volume.
5. My eyes can see in the dark: Recognize & evaluate common Endometrial & Myometrial Abnormalities.
6. International group of Endometrial Tumor Analysis (IETA).
7. Size matters: Ultrasonography & Adenomyosis.
8. My little short friend: Ultrasonography of the Cervix.
9. This Chicken looks different: Common Ovarian Abnormalities.
10. Tissues with issues: Recognize and evaluate complex Ovarian Masses & refer on appropriately.
11. International group of Ovarian Tumor Analysis (IOTA).
12. Walk the walk & talk the talk: 3/D & Infertility.
13. These thermals would keep us warm: Doppler & Infertility.

Third module: Basic IVF

1. Natural always superior to artificial, but not today: Artificial Reproduction Techniques.
2. Fly me to the moon: Patient preparation before MF.
3. Playing by the rules: Controlled Ovarian Stimulation protocols.
4. Being in advance of the dance: Monitoring of MF.
5. Putting your eggs in one basket: Oocyte Retrieval.
6. Choosing the ripe fruits to eat: Embryo Transfer /straight forward cases & difficult entry like stenosis & false tract cervixes.
7. Nobody can make it on their own: Luteal Phase Support.
8. Not the right time for an omelette: Prevention of Ovarian Hyper-stimulation Syndrome.
9. A memorial of the multi-factorial: All about the multitude of factors affecting success.
10. The most precious blood drop under the sun: Pregnancy complications after MF.
11. The sound of music: Ultrasonography &ART.

Forth module: Hysteroscopy and Infertility

1. The Fashionista: Recent trends in OCE Gynecology.
2. We are going to the cinemas today: Endoscopic equipment.
3. Prayers inside the sacred cave: Hysteroscopy instruments.
4. Defense at the lens: what you need to know about Hystero-optics.
5. Mentioning the obvious: Anatomy of the Female reproductive cavity.
6. Oceans were once rivers: Distension media.
7. The Adrenaline rush: Hysteroscopy in action.
8. Its Double trouble: Hysteroscopy complications.
9. When liquid meets electricity: Setting up an Office Hysteroscopy unit.
10. Breaking the ice: Hysteroscopy & uterine anomalies.
11. We need to talk face to face: Hysteroscopy & uterine pathology.
12. The right pieces of the puzzle: Assembling the Hysteroscopy (Hands-on training).
13. You look marvelous in these colored lens: Optic simulation (Hands-on training).
14. Make believe until you conceive: Operative simulation (Hands-on training).

Fifth module: Advanced IVF

1. I wish we met a long time ago: Repeated IVF Failure.
2. Too much love can kill you: Fetal reduction.
3. Sailing your ship in bad weather: the challenge behind the rich but poor responders.
4. Eggs with too many legs: Treatment of Ovarian Hyper-stimulation Syndrome.
5. You & your latest tricks: Progesterone rise before HCG.
6. Rise to the surprise: Empty Follicle Syndrome.
7. The best things in life are free: Ovarian Hyper-stimulation Syndrome free clinic.
8. Singing your baby a sweet lullaby: Endometrial preparation before thawed embryo transfer.
9. Eggs & cheese: Polycystic Ovary Syndrome in MF.
10. You give love a bad name: The associated conditions & mere challenges in MF.
11. The friendly Fours: IVF above 40.
12. Miracles inside the petri dish: IVF lab procedures.
13. Congratulations, you are pregnant: Pregnancy outcome after MF.
14. One of a kind: Individualization of COS.
15. My pride & joy: Effective & ineffective interventions in ART.
16. You can't carry babies & fat cells at once: Obesity & ART.
17. Don't nag again: Sperm DNA Fragmentation & ART.
18. Money money, it must be funny in the rich man's world: Systematic reviews about the treatment of the rich but poor responders.
19. Marilyn Monroe is back to life: PRP, stem cells, scratching, Duphaston & Progesterone.

Sixth module: IVF lab

1. Money makers & cement breakers: Starting a new IVF unit.
2. Hearing both sides of the story: Laboratory aspects of Semen analysis.
3. Preparing the little swimmer for the Olympics: Semen preparation methods
Intra-cytoplasmic sperm injection (ICSI).
4. The wish in the dish: Embryo life inside the dish / understanding the lab language & the choice of embryos.
5. Mummy, I am freezing in here: Embryo Cryopreservation & the choices.
6. Home sweet home: Embryo transfer.
7. Devil is in the details: All you need to know about meticulous quality control inside the lab affecting gametes & accordingly pregnancy outcomes.



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