

**Maharashtra University of Health Sciences,
Nashik**

Syllabus

Fellowship in Assisted Reproduction

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- 1. Proper name of the certificate course:** Fellowship in Assisted Reproduction
- 2. Duration of course:** One Year
- 3. Eligibility criteria for admission and Intake capacity:** Post M.S (Obst&Gyn) / D.N.B(ObGyn). / D.G.O. (Obst&Gyn)
- 4. Operative surgery / procedures in curriculum:**
 - Trans –Vaginal Ovum Pick up
 - Trans-cervical Embryo Transfer
 - Trans-Vaginal ovarian cyst aspiration
 - Trans-Vaginal Ultra-sonography
 - Follicular monitoring for ovulation induction
 - Sperm retrieval Techniques: TESA / PESA/ TESE etc.
 - **Fertility Enhancing Endoscopic Surgeries:**
 - Laparoscopic:** Diagnostic Video-laparo-hysteroscopies, Adhesiolysis, PCOD Drilling, Laparoscopic management of Endometriosis, Ovarian cysts, Lap. Myomectomy
 - Hysteroscopic:** Diagnostic Hysteroscopy, Uterine septum, Polyp removal, Tubal corneal cannulation, Metyroplasty, Adhesiolusis, (for Ashermann's syndrome)

TEACHING SCHEME AND PERIOD ALLOTTED TO EACH TOPIC:

Didactic lecture—These will be held once a week and delivered by Faculty member or by a specialist in particular subject or Allied discipline (List of Didactic lectures in Annexure I)

Seminars and Journal Club-These will be held twice a month. Candidates are required to present one seminar and one journal club per month

Case discussions Video presentations: These will be held weekly. Each student will present minimum 10 cases in a year

Ward round and posting in Allied discipline: Daily rounds will be taken by Fellow in consultation with the Department of Obstetrics & Gynecology

Log book- Maintain a log book of the operative procedures observed / performed/ assisted

Lab;- Will assist and perform Semen preparation for IUI /IVF

TEXT BOOKS :-

Textbook of Assisted Reproduction Techniques: Gardner, Weismann, Howles Shoham

Practical Manual of In Vitro fertilization; ZSolt Peter Nagy

Clinical Infertility and In vitro fertilization: Botros Risk, Hassan Sallam

Protocols in ART and Embryology: Pankaj Talwar

Practical Manual of Infertility Management ; Peter Brinsden et al

Manual of Ovulation Induction; Jaypee publications

Infertility and Ultrasound : Dr. Nagori

Infertility and Gynecological Endoscopy;Jaypee publications

JOURNALS:

Fertility and Sterility: Official Journal of the American Society for Reproductive Medicine

Human Reproduction: Official Journal of European Society for Human Reproduction and Embryology

Journal of In Vitro fertilization and Embryo Transfer

Journal of Assisted Reproduction and Genetics

E-Journal: IVF Net

Reproduction Biomed online

SCHEME OF EXAMINATION:

Each Year an examination co-ordination committee consisting of two teachers will guide and monitor the proceedings..

The examination will be in four parts.

A) Theory Paper of 100 marks

10 Objective questions of 10 marks each. To maintain the quality the passing marks will be set to 50%. This will be conducted in respective colleges

B) Practical Examination of 100 marks

Long case-----25 marks

Short case-----25 marks

Table viva / spots-----50 marks (Instruments, Reports for comments, Procedures,Ultrasonography findings, Ward rounds)

C) Assessment of Laparo-Hysteroscopic skills (50 marks)

On pelvi-trainer and Hystero-trainer with viva-voce examination.

D) Assessment over one year (50 marks)

Log book-----10Marks

Assistance during cases-----10 Marks

Regularity, Punctuality, Work ethics---10Marks

Publications, Presentations-----20 Marks

Final Assessment will be out of 300 marks with individual passing in each head

The examination will be conducted within 15 days of completion of course.

Announcement of Results:

Results will be announced within 1 week of the completion of examinations on the Notice board. This result will be in the form of fellowship granted / denied. Marks will not be displayed.

Repeat examination will be held after a period of not less than 6 months.

Award of Fellowship;

Certificate will be awarded by M.U.H.S. duly signed by the Vice-chancellor of the University. The decision of the examination coordination committee will be binding on all.

Selection of candidates.

A total of two candidates per year based on the following criteria.

M.C.Q. Paper-----50%

Interview----- 25%

University level Academic merit---- 25%

Selection of Faculty

Practising Consultants with MD / MS / DNB (Ob Gyn) with minimum 7 years experience in Assisted Reproduction Techniques

Existing Faculty;

DR. M. J. JASSAWALLA

DR. RAJAN VAIDYA

DR .NITIN NARVEKAR

DR. PARIKSHIT TANK

DR SWATI ALLAHABADI VV

Visiting Faculty : To be identified

INFRASTRUCTURE:-

There will be a separate building with floor area of about 3200 sq. foot spread over ground and first floor. Which will host:

- A) Daily O.P.D
- B) Indoor patients wards
- C) Recovery wards
- D) Two bedded Intensive Patient Management ward
- E) Two operation theatres --one for oocyte retrieval and one for Gynec Endoscopy with facility to perform laparotomy ,if necessary
- F) IVF laboratory
- G) IUI room
- H) Andrology section
- I) Ultrasonography room
- J) Counselling area
- K) Medical records section
- L) Store room with facility of refrigeration for maintaining InjGonadotrophins and Culture media
- M) Round the clock lab support with blood collection facility
- N) Semen collection room
- O) Cryo-preservation room