

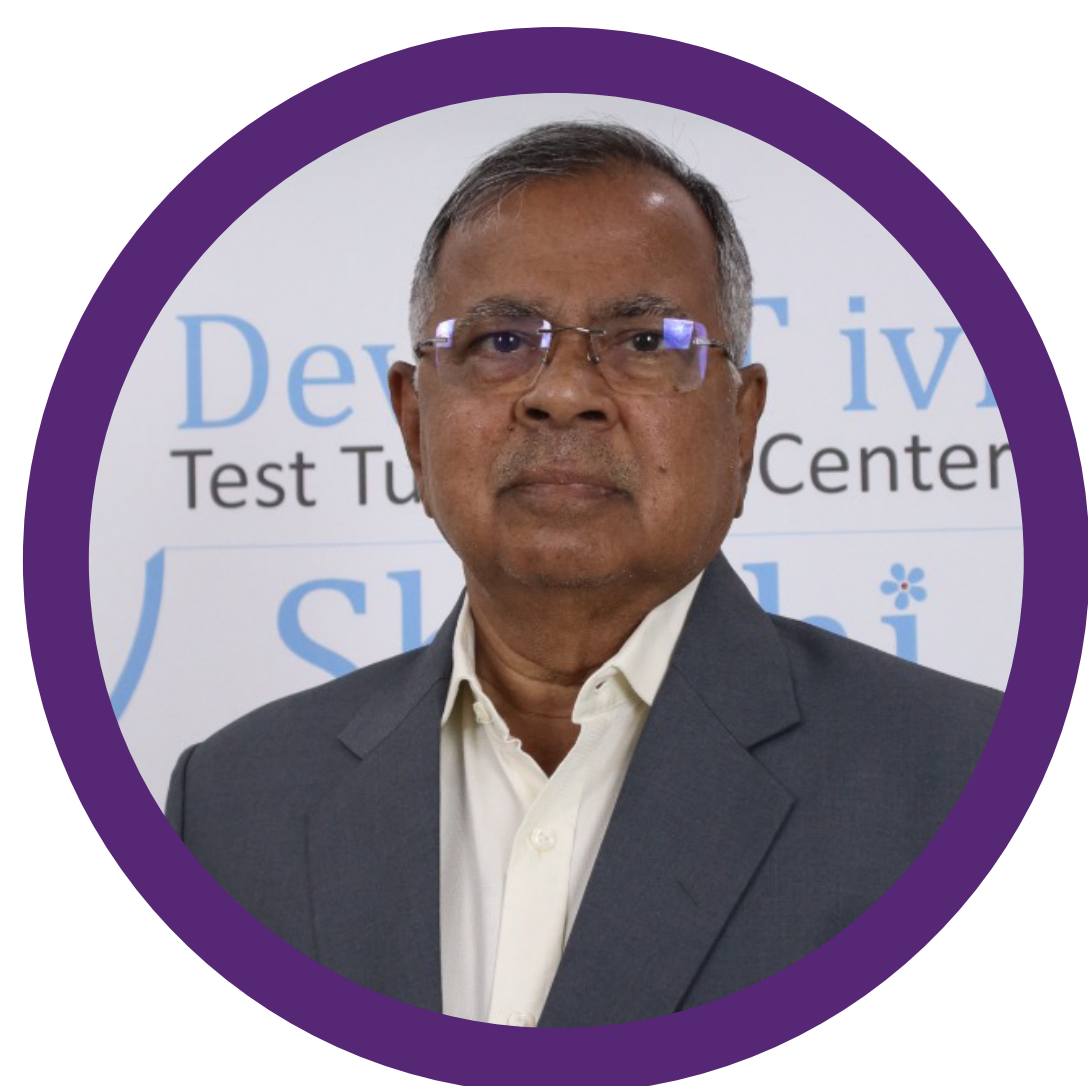
Dr. B.I. Patel

TRAINING INSTITUTE

Shachi Women's Hospital, a state of Art multispeciality hospital is running Ultrasound Training since last 25 years under guidance of Dr B I Patel Now with 35 years of experience we are starting training courses for new budding Gynecologists in field of Infertility, IVF and Ultrasound/ Fetal medicine Following courses are available

1. Fellowship in Fetal medicine
2. IUI one day certificate course with hands on
3. IVF and INFERTILITY 10 days certificate course
4. Observeship in IVF
5. Fellowship in reproductive medicine

Course Faculties



Dr B I Patel
MD DGO



Dr Saumil Patel
MD GYNEC



Dr Nisha Patel
MD GYNEC

Contact to register: 9879596512 / 9825606501

1. Fellowship in Fetal medicine

ULTRASONOGRAPHY AND FETAL-MEDICINE FELLOWSHIP

- FELLOWSHIP PROGRAM WITH HANDS - ON TRAINING

1 Month	90000/-
2 Months	200000/-
3 Months	250000/-
6 Months	5,00,000/-
Monday to Thursday	Hands-on (1-2 CASE)
Friday	Morning theory class (9-10 AM)
	POST LUNCH: SELF PREPARATION OF CASES
Friday	Presentation preparation as per given topic

- Weekend Batch: Friday and Saturday (6 months)

- Friday ,Saturday, Sunday: Morning theory class & demo 11AM-01 PM Those who wants gynec teaching they have to pay extra for 15 days extra training

● **OBSERVERSHIP PROGRAM (NO HANDS ON)**

7 days	20,000/-
15 days	40,000/-
1 month	75,000/-

Observers can attend theory classes and presentations

● **FOR BUSY PRACTITIONERS**

(THEY CAN JOIN FOR THEIR PERSONAL DIFFICULTIES)

- For 1,2 or 3 days :- 5000/- per day

● **INTERVENTIONAL LEARNING**

(FEES WILL BE DECIDED DURING)

Hands-on for: 2 Fetal reductions; 2 Chorionic villus sampling and 2 Amniocentesis

● **MODULES FOR HANDS-ON TRAINING**

ANOMALY SCAN	
For 100 video learning (15 days)	60,000/-
For 300 video learning (30 days learning)	1,00,000/-
FIRST TRIMESTER SCREENING (FTS & FTAS) with varieties of video	
15 days	50,000/-
1 month	1,00,000/-
FETAL ECHO with video presentation	
15 days	75,000/-
GROWTH AND COLOR DOPPLER	
10 days	40,000/-
3D-4D VOLUME & biophysics , guidelines & technique	
1 month	2,00,000/-

● EXAMINATION SCHEDULE

- Examination is compulsory for all the batches
(except for interventional practitioners)
- Examination will be scheduled twice a year
(every 6 months)
- Two examinations will be carried out: Internal
(at the end of the training) and External (by an
external faculty every 6 months)

● MARKS DISTRIBUTION

- 1) 75 marks MCQs
- 2) Hand-on live Ultrasonography to be done in front of the examiner
 - 50 marks :- 25 images
 - 25 marks :- history taking, preparation of the report and counselling
 - 25 marks :- discussion on a particular subject decided by the external faculty

● FELLOWS AND OBSERVERS ARE SUPPOSED TO MAINTAIN THEIR LOG BOOK OF OBSERVED CASES, HANDS-ON CASES, LECTURES AND PRESENTATIONS

(TO BE SUBMITTED AT THE TIME OF EXAMINATION)

- EXAMINATION WILL BE CONDUCTED EVERY 6 MONTHS; THERE WILL BE 2 DIFFERENT CERTIFICATES 1) FOR THEORY & 2) ANOTHER FOR PRACTICAL.
- ALL THE FELLOWS & OBSERVERS ARE SUPPOSED TO PAY TOTAL FEES IN ADVANCE ALONG WITH ALL THE DOCUMENTS REQUIRED FOR PC & PNDT REGISTRATION.
(ONCE YOU SELECT THE COURSE ; PAYMENT ARE NON-REFUNDABLE)

CONTACT

CONTACT DETAILS: 9825010718 , 9090128080 & 9090118080

EMAIL : bipatel1@hotmail.com

2. IUI one day certificate course with hands on

ONE DAY IUI TRAINING CERTIFICATE COURSE WITH HANDS ON SEMEN PREPARATION

FEES: 10000/-

● TOPICS COVERED

- Basic evaluation of an Infertile couple
- Counseling of an infertile couple
- Ovulation Induction Protocols
- How to use : Clomiphene , Letrozole, Gonadotrophins, Agonists
Antagonists, Insulin sensitizers, aromatase inhibitors.
- TVS: - folliculometry
 - Role of ultrasound for IUI practice
 - The ultrasound-based decision on stimulation protocols
 - Decision making on a trigger : When & Which dose
- Optimizing IUI success rates
- Semen analysis : how to evaluate each parameters
- Male infertility : Causes and managment
- Setting up of IUI Lab
- Semen preparation techniques
- Live demonstration of various methods of IUI
- Hands-on semen preparation

3. IVF and INFERTILITY 10 days certificate course

INFERTILITY & IVF TRAINING CERTIFICATE COURSE WITH HANDS ON

FEES: 50000/- (90000/- with hands on)

● DAYS: 10 DAYS

CURRICULUM

- Ultrasound in infertility
- Hands on TVS in infertility patients
- Basic evaluation and counseling of infertile couple
- Clinical and laboratory aspects of IUI
- Ovarian stimulation protocols in IUI & IVF
- IVF laboratory set up
- Clinical and laboratory aspects of oocyte retrieval and embryo transfer
- Gamete freezing techniques
- Hands on semen preparation and mock embryo transfer

● DAY 1

9:30 AM TO 1:30 PM (ULTRASOUND IN INFERTILITY)

Live demos and case to case discussion.
Optimizing the b mode and Doppler image.

3:30 PM TO 5:30 PM

Systematic transvaginal scan technique- b mode and Doppler
Folliculometry, stimulation protocols, ovulation trigger when?
adnexal pathology pertaining to infertility

● **DAY 2**

9:30 AM TO 12:00 PM: LIVE DEMOS AND CASE TO CASE DISCUSSION
(ULTRASOUND IN INFERTILITY)

Role of ultrasound in PCOS , hands on TVS

3:30 PM TO 5:30 PM

uterine and ovarian factors of infertility
(PCOS , POF, Fibroid , Adenomyosis)

● **DAY 3**

9:30 AM TO 12:00 PM: LIVE DEMOS AND CASE TO CASE DISCUSSION
(ULTRASOUND IN INFERTILITY)

Differential diagnosis of adnexal lesions related to infertility hands
on TVS

3:30 PM TO 5:30 PM

Tubal & Pelvic factor infertility (Ectopic pregnancy diagnosis and
management, hydrosalpinx , PID, endometriosis)

● **DAY 4**

9:30 AM TO 1:30 PM: ANDROLOGY - PREPARATION & PRACTICAL IUI

Lab Setup and IUI Preparation Techniques hands on semen
washing and IUI

3:30 PM TO 5:30 PM: SEMEN ANALYSIS : PRACTICAL TIPS

Optimizing IUI success rates
Medical and surgical Management in Male Infertility

● **DAY 5**

9:30 AM TO 1:30 PM: (EMBRYOLOGY)

Live demo of oocyte pick up.
IVF lab set up.
Oocyte retrieval technique and trouble shooting.

3:30 PM TO 5:30 PM

Oocyte retrieval technique and trouble shooting.

● **DAY 6**

9:30 AM TO 1:30 PM: (EMBRYOLOGY)

Live demo of oocyte pick up.
Live demo of embryo transfer.
Hands on mock Embryo transfer.

3:30 PM TO 5:30 PM

Stimulation Protocol for IVF.
Role of Agonist & Antagonist, LH in IVF stimulation.
Role of Growth hormone , PRP , G-CSF.

● **DAY 7**

9:30 AM TO 1:30 PM: (EMBRYOLOGY)

Basic Embryology + gamete handling.
Embryo Transfer Theory.

3:30 PM TO 5:30 PM: ASSESSMENT OF OVARIAN RESERVE

Bologna criteria for POF.
Strategies of ovarian stimulation in POF and PCOS.
Prevention & Management of OHSS.

● **DAY 8**

9:30 AM TO 1:30 PM

Vitrification of Gametes.
Theory and Practical.
Hands on Gamete Handling.

3:30 PM TO 5:30 PM

Vitrification theory.
Management of sever oligoasthenospermia.

● **DAY 9**

9:30 AM TO 1:30 PM

Fetal reduction techniques, Genetics : Chorion villus sampling ,
Amniocentesis live demos.

3:30 PM TO 5:30 PM

Recurrent Pregnancy Loss and Recurrent implantation failure
How to investigate and how to manage

● **DAY 10**

9:30 AM TO 1:30 PM

Difficult case discussions
Laparoscopy videos of fertility enhancing surgeries

3:30 PM TO 5:30 PM: ASSESSMENT OF OVARIAN RESERVE

Newer advanced technique in IVF
Counseling, Controversies in IVF
Certificate distribution

4. Observership in IVF

CURRICULUM FOR THE OBSERVERSHIP COURSE IN INFERTILITY & IVF-3 MONTH

Duration: 3 months / FEES: 2,00,000/-

- What is Infertility
- Anatomy of the female genital tract
- Hormones in reproduction
 - > Role of Estrogen
 - > Role of Progesterone
 - > Role of FSH
 - > Role of LH
- Role of AMH
- Pituitary hypothalamic ovarian axis
- Patient counseling
- Physiology of Ovulation
- Causes of Infertility – diagnosis
- Anovulation – definition
 - > Types
 - > Causes
 - > Treatment of each
- Polycystic ovarian diseases – pathophysiology
 - > Diagnosis in adolescent & in adult
 - > Hormonal parameter
 - > Ultrasound
 - > Metabolic component
 - > Management strategies – depending on the aim of treatment
 - > 2018 ESHRE consensus and guidelines for diagnosis and treatment of PCOS
- Poor Ovarian reserve
 - > Causes
 - > Bologna criteria
 - > Diagnosis
 - > Management strategies
 - > Assessment of ovarian reserve

- **UTERINE CAUSES OF INFERTILITY**
 - Congenital uterine anomalies:
 - > Diagnosis
 - > Treatment of strategies
 - Uterine pathologies and fertility prognosis
- **TUBAL CAUSE OF INFERTILITY**
 - Diagnosis
 - Management
- **CERVICAL CAUSES OF INFERTILITY**
 - What is the importance
 - Does it exist in the presence of ART?
- **OVULATION INDUCTION METHODS FOR IUI /FOR IVF**
 - Oral ovulogens
 - Different gonadotrophin protocols
 - Role of down regulators
 - Agonist/ Antagonist
 - Role of LH in ovulation Induction
 - Role of progesterone in ovulation induction
 - Luteal phase assessment
 - > Abnormal luteal phase
 - > Causes
 - > Management
- **OVULATION TRIGGER – HCG/AGONIST**
- **IMPLANTATION – PHYSIOLOGY OF IMPLANTATION**
 - Causes of implantation failure
 - Recurrent implantation failure
 - Investigations & diagnosis
 - Management strategies
 - New endometrial receptivity tests

● IUI – INTRA UTERINE INSEMINATION

- Indication
- Success rates – present results
- Optimizing results

● MALE FACTORS OF INFERTILITY

- Anatomy of the male reproductive tract
- Hormonal assessment
- Normal semen parameters
- Abnormal semen parameters
- Causes of oligoasthenospermia & teratozoospermia
- Treating abnormal sperm parameters
- Medical management of male infertility

● IVF – IN-VITRO FERTILIZATION

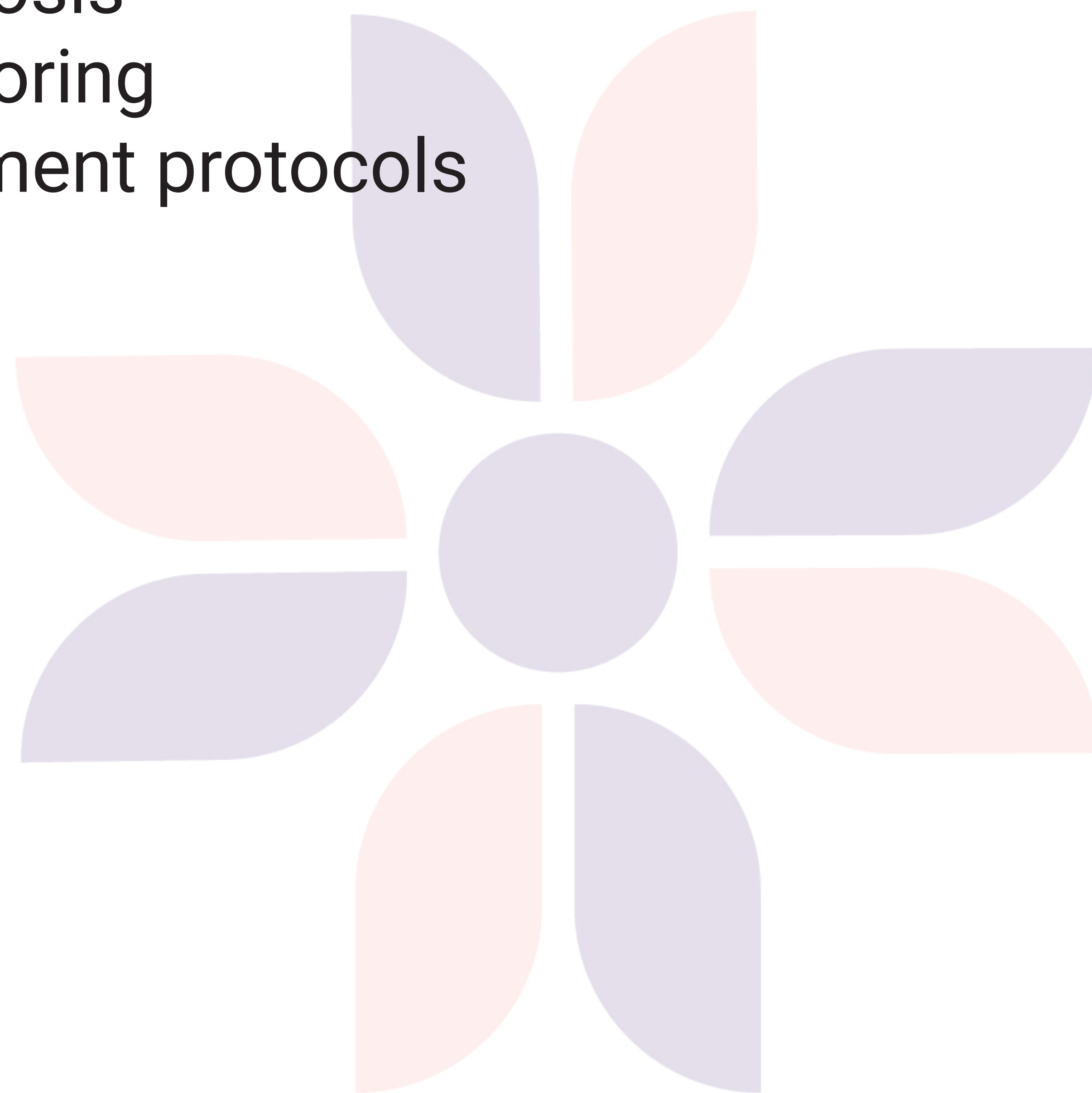
- Clinical aspects
- Anesthesia
- Ovum pickup
 - > Method
 - > Variation
 - > Complication
- Embryo Transfer
 - > Method
 - > Alternatives – mock transfer, catheter types, ultrasound guidance
 - > Change in results
 - > Complication

● EMBRYOLOGY ASPECTS OF IVF

- Embryo development
- Gamete handling techniques
- IVF
- ICSI
- Assisted Hatching
- IMSI
- Segmentation of IVF

● SETTING UP IUI & IVF LABORATORY

- Setting up IVF laboratory – about the instruments – choices
- Maintenance of the IVF & IUI lab equipment
- Role of Ultrasound in Infertility Management
 - > For dose decision
 - > For the trigger, Timing of IUI
 - > Luteal phase assessment
- Ovarian hyperstimulation syndrome
 - > Diagnosis
 - > Monitoring
 - > Treatment protocols



5. Fellowship in reproductive medicine

FELLOWSHIP IN INFERTILITY & IVF

6 MONTHS FEES: 4,00,000/-

ENQUIRE TO ENROLL VIEW DETAILS
CURRICULUM FOR THE FELLOWSHIP COURSE IN INFERTILITY
& IVF- 6 MONTHS

- What is Infertility
- Embryology of female genital tract
- Anatomy of female Genital tract
- Hormones in reproduction
 - > Role of Estrogen
 - > Role of Progesterone
 - > Role of FSH
 - > Role of LH
 - > Role of AMH
- Hypothalamo Pituitary Ovarian Axis
- Patient counseling
- Physiology of Ovulation
- Causes of Infertility – diagnosis
- Anovulation – definition
 - > Types
 - > Causes
 - > Treatment of each
- Polycystic ovarian diseases – pathophysiology
 - > Diagnosis in adolescent & in adult
 - > Hormonal parameter
 - > Ultrasound
 - > Metabolic component
 - > Management strategies – depending on the aim of treatment
 - > 2018 ESHRE consensus and guidelines for diagnosis and treatment of PCOS

- **Poor Ovarian reserve**
 - > Causes
 - > Bologna criteria
 - > Diagnosis
 - > Management strategies
 - > Assessment of ovarian reserve – different tests accuracy
 - > Practical importance
- **UTERINE CAUSES OF INFERTILITY**
 - Congenital uterine anomalies:
 - > Diagnosis
 - > Treatment of strategies
 - > Outcome of pregnancy
 - Uterine pathologies and fertility prognosis
- **TUBAL CAUSE OF INFERTILITY**
 - Causes
 - Diagnosis
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- **CERVICAL CAUSES OF INFERTILITY**
 - What is the importance
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 - Role of down regulators
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 - Role of LH in ovulation Induction
 - Role of progesterone in ovulation induction
 - Luteal phase assessment
 - > Abnormal luteal phase
 - > Causes
 - > Management

- **OVULATION TRIGGER – HCG/AGONIST**
- **IMPLANTATION**
 - Physiology of implantation
 - Causes of implantation failure
 - Recurrent implantation failure
 - Investigations & diagnosis
 - Management strategies
 - New endometrial receptivity tests
- **IUI – INTRAUTERINE INSEMINATION**
 - Indication
 - Success rates – present results
 - Optimizing results
- **MALE FACTORS OF INFERTILITY**
 - Spermatogenesis – physiology
 - Anatomy of the male reproductive tract
 - Hormonal assessment
 - Normal semen parameters
 - Abnormal semen parameters
 - Causes of oligoasthenospermia & teratozoospermia
 - Treating abnormal sperm parameters
 - Surgical treatment of male Infertility – PESA/TESA, Varicocoelectomy, surgical techniques for obstructive azoospermia
 - Medical management of male infertility
 - The genetic factor of male infertility
- **IVF – IN-VITRO FERTILIZATION**
 - Clinical aspects
 - Anesthesia
 - Ovum pickup
 - > Method
 - > Variation
 - > Complication

- Embryo Transfer
 - > Method
 - > Alternatives – mock transfer, catheter types, ultrasound guidance
 - > Change in results
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● EMBRYOLOGY ASPECTS OF IVF

- Embryo development
- Gamete handling techniques
- IVF
- ICSI
- Assisted Hatching
- IMSI
- Segmentation of IVF
- Genetics in Infertility
- Role of stem cells in reproduction
- Newer methods – mitochondrial transfer
 - > Stem cell in infertility
 - > Ovarian regeneration
 - > Endometrial regeneration
 - > PRP
 - > GCSF

● SETTING UP IUI & IUI LABORATORY

- Setting up IVF laboratory – about the instruments – choices
- Maintenance of the IVF & IUI lab and its equipments
- Role of Ultrasound in Infertility Management
 - > For dose decision
 - > For the trigger, Timing of IUI
 - > Luteal phase assessment
- Ovarian hyperstimulation syndrome
 - > Diagnosis
 - > Monitoring
 - > Treatment protocols

● IMPORTANT INFORMATION

- All observership and fellowship courses will be from Monday till Friday and from 9:30 am till 3:30 pm.
- At least one publication is expected during the course tenure for the candidates doing fellowship courses.
- The dates for observership courses can be arranged on mutual understanding.
- The fellowship courses will start from the 1st of March to the 1st of September.
- The last date to apply will be the 1

