

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0822)

AUGUST 2022

Sub. Code: 1978

M.Ch. – REPRODUCTIVE MEDICINE AND SURGERY

**Paper III – ASSISTED REPRODUCTIVE TECHNOLOGIES OPERATIVE
GYNAECOLOGY / GENETICS**

Q.P. Code: 181978

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. ESHRE classification of congenital uterine anomalies: discuss the impact on fertility and its treatment.
2. Discuss about the strategies to reduce multiple pregnancy in infertility management.

II. Write notes on: **(10 x 7 = 70)**

1. Describe various laparoscopy entry techniques.
2. Role of tubal surgeries in ART era.
3. Critically analyse the role of varicocelelectomy in male infertility.
4. Discuss about synchronizing the donor oocyte cycle.
5. Micro-TESE.
6. Describe the various endometrial preparation methods for frozen embryo. transfer treatment.
7. Discuss about genetic causes of male infertility.
8. Surgical management of Adenomyosis.
9. Adhesion prevention strategies in fertility enhancing surgeries.
10. Hysteroscopic myomectomy.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0124)

JANUARY 2024

Sub. Code: 1978

M.Ch. – REPRODUCTIVE MEDICINE AND SURGERY

**PAPER III – ASSISTED REPRODUCTIVE TECHNOLOGIES OPERATIVE
GYNAECOLOGY / GENETICS**

Q.P. Code: 181978

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the etiopathogenesis, diagnosis and management of empty follicle syndrome.
2. Describe the diagnosis of Isthmocele and its impact on fertility and its management.

II. Write notes on:

(10 x 7 = 70)

1. Describe different surgical methods used for the removal of endometriotic cyst in women with infertility.
2. Describe the various pre operative preparation steps for hysteroscopic myomectomy.
3. Critically evaluate the evidence for various laparoscopic entry techniques.
4. Critically evaluate the evidence for hysteroscopic septal resection for women with previous history of pregnancy loss.
5. Discuss the role of cystic fibrosis transmembrane conductance regulator (CFTR) gene testing in male infertility.
6. Describe the various techniques for adenomyomectomy.
7. Discuss the role of dual trigger in IVF.
8. Critically evaluate the evidence for progesterone level testing in frozen embryo transfer cycles.
9. Critically evaluate the role of follicular flushing during oocyte pick up in ART.
10. Discuss the role of antibiotic prophylaxis during oocyte retrieval.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1978

M.Ch. BRACH XIV – REPRODUCTIVE MEDICINE AND SURGERY

**PAPER III – ASSISTED REPRODUCTIVE TECHNOLOGIES OPERATIVE
GYNAECOLOGY / GENETICS**

Q.P. Code: 181978

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the role of surgery in endometriosis to improve fertility outcome.
2. Critically appraise different Frozen embryo transfer protocols.

II. Write notes on:

(10 x 7 = 70)

1. Discuss about role of hysteroscopy to improve fertility outcome.
2. Critically appraise role of tubal surgeries in present era of IVF.
3. Discuss genetic causes of male factor infertility.
4. Discuss causes and evaluation of recurrent pregnancy loss.
5. Critically analyse adds- on in IVF lab.
6. Discuss about OHSS free IVF treatment.
7. Discuss about GnRH agonist trigger – Is it perfect?
8. Discuss about various stimulation protocols in female fertility preservation.
9. Discuss about role of myomectomy prior to IVF treatment.
10. Critically appraise role of PGT (Preimplantation genetic testing) in improving IVF outcome.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0126)

JANUARY 2026

Sub. Code: 1978

M.Ch. – REPRODUCTIVE MEDICINE AND SURGERY

**PAPER III – ASSISTED REPRODUCTIVE TECHNOLOGIES OPERATIVE
GYNAECOLOGY / GENETICS**

Q.P. Code: 181978

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Critically appraise the current evidence for screening hysteroscopy of couples undergoing ART.
2. Discuss the evidence for various clinical add-ons for recurrent implantation failure.

II. Write notes on:

(10 x 7 = 70)

1. Describe the Hysteroscopic approach for adenomyosis.
2. Describe the predictive models for IVF.
3. Discuss the impact of the caesarean scar on IVF outcomes and briefly describe the management.
4. Discuss the controversies around the diagnosis of recurrent implantation failure and its impact on management decisions.
5. Discuss the role of diagnostic laparoscopy in fertility workup.
6. Discuss the evidence for ablative surgery in women with minimal and mild endometriosis with infertility.
7. Discuss the role of paternal age on ART treatment short and long-term outcomes.
8. Discuss the evidence for hysteroscopy septal resection for reproductive outcomes.
9. Discuss the impact of multiple embryo transfer on IVF outcomes.
10. Discuss the role of expanded genetic screening in ART.
