



**DEPARTMENT OF OBSTETRICS & GYNAECOLOGY**



A dedicated team of renowned specialists and compassionate nursing staff. With a patient-first approach and a commitment to innovation, the Department of Obstetrics and Gynaecology at Preethi Hospital consistently raises the bar in healthcare standards, setting benchmarks in Madurai .

## Department Hierarchy

**Dr. Hema Sivakumar** MD., DGO., DNB (OG), MNAMS.,  
Head of the Department / Senior Consultant (Fertility Treatment)  
27 Years of Experience

### EXPERTISE :

- 1.High-risk pregnancies
- 2.Infertility treatments-IVF, IUI, ICSI
- 3.All major gynecology , laparoscopic and hysteroscopic procedures

**Dr. R. Annapoorani** MBBS., MS (OG),FICOG,*Senior Consultant*  
13 Years of Experience

### EXPERTISE :

- 1.High-Risk Obstetrics
- 2.Laparoscopic and hysteroscopic surgeries
- 3.Infertility

**Dr. Swati Gupta.,** MBBS,DNB(OBG) ,MNAMS,CIMP Senior Consultant  
10 Years of Experience

### EXPERTISE :

- 1.Deals with high risk pregnancy along with routine antenatal care.
- 2.Fellowship in reproductive medicine & expertise in managing infertility including ICSI/TESA/PESA.
- 3.Endoscopic surgeon with training in both Laproscopic & hysteroscopic procedures.

**Dr. R. Sushmitha Prakashini.,** MBBS, DNB., (OG)

5 Years of Experience, Senior REGISTRAR

### EXPERTISE :

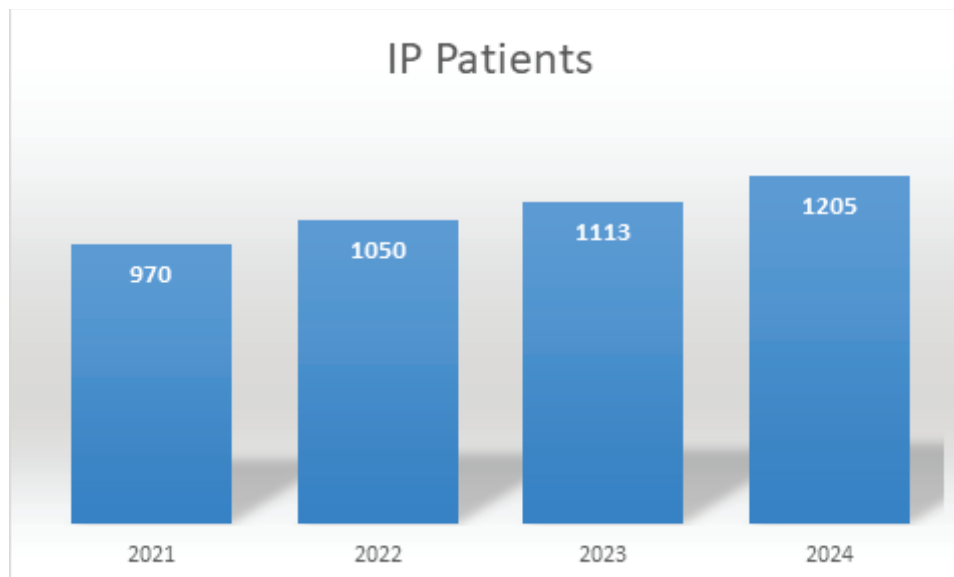
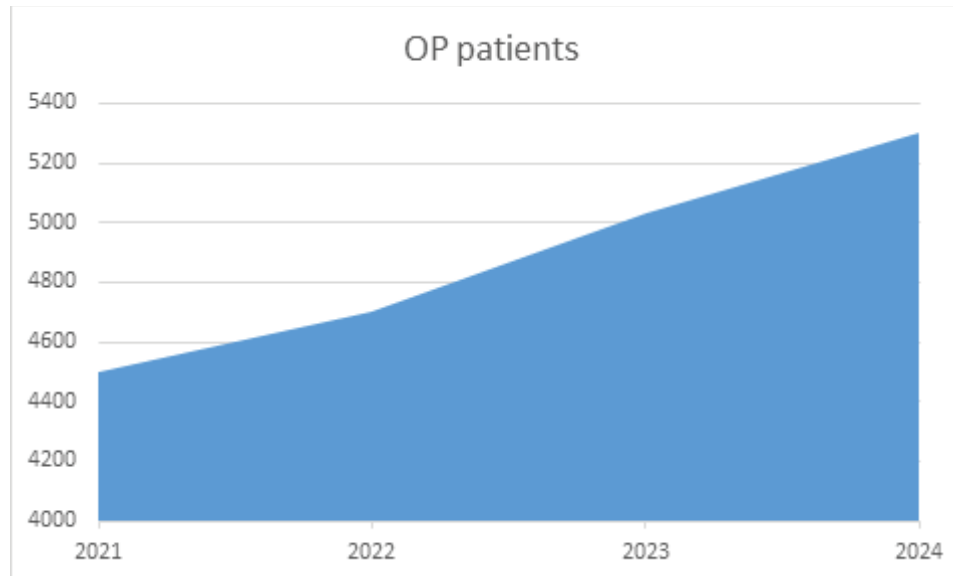
- 1.Good antenatal care
- 2.Expert in Pre-conceptional counseling
- 3.Contraceptive advisor





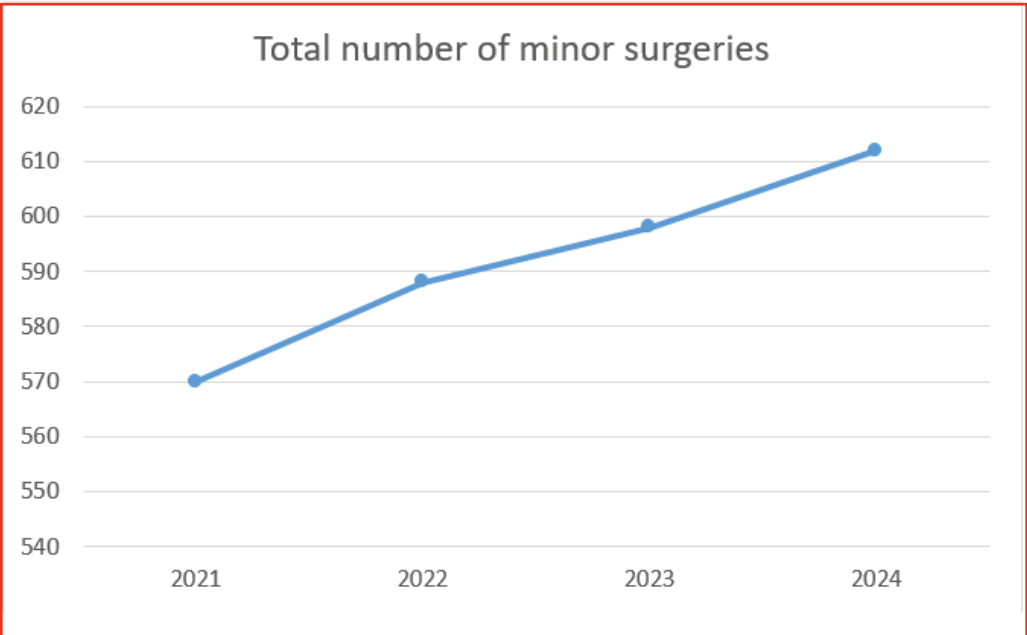
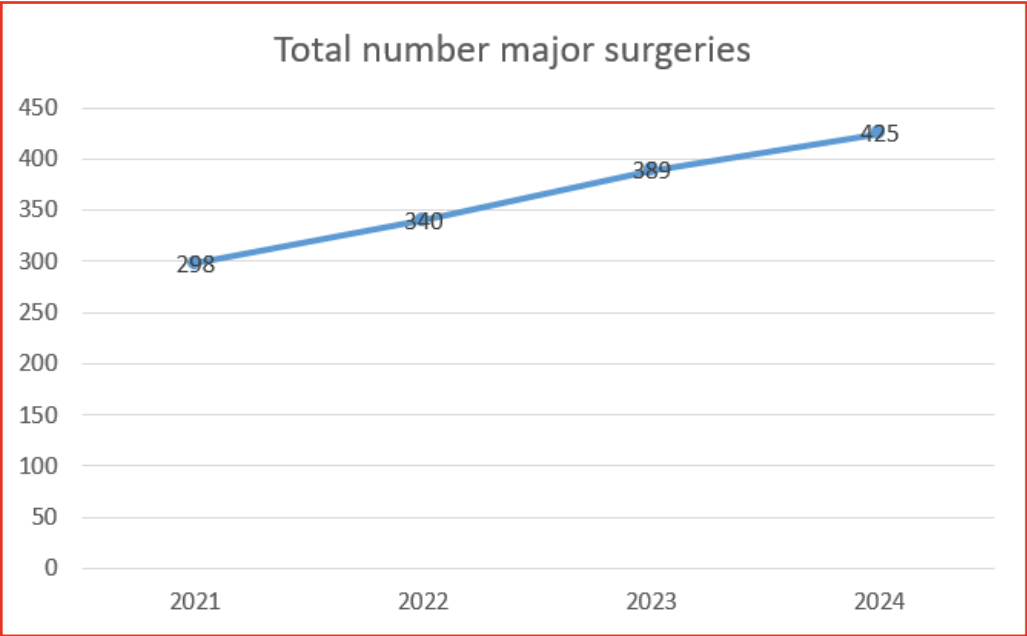
## STATISTICS

The last three years have been the years of immense progression in the department of Obstetrics and Gynaecology .





# SURGERIES STATISTICS





## Obstetric Care

Highly Channelised with advanced technology labor rooms designed for comfort and safety, equipped with advanced fetal monitoring systems and birthing aids.

**High-Risk Pregnancy Unit:** A specialized care zone with continuous monitoring for High-Risk pregnancies, supported by experts.

**Painless Delivery Services:** Epidural anesthesia services for a stress-free birthing experience.

**Obstetric Critical Care Unit:** Cutting-edge critical care with advanced ventilators, cardiac monitoring systems, and 24/7 multidisciplinary support.

**Level 3 Neonatal ICU (NICU):** Comprehensive neonatal care for preterm and critically ill babies, equipped with incubators, ventilators, and phototherapy units.

**Postpartum Care:** Dedicated rooms for new mothers offering lactation support, psychological counseling, and physiotherapy for recovery.

Physiotherapy support group for recovery.

## Gynecological Care

**Advanced Laparoscopy Setup:** High-definition laparoscopic systems for minimally invasive surgeries, ensuring precision and faster recovery.

**Hysteroscopy Facilities:** Equipped with diagnostic and operative hysteroscopes for procedures like polypectomies, adhesiolysis, and septal resections.

**Oncology Setup:** Comprehensive facilities for gynecological cancer surgeries.

**Breast Care Center:** Modern diagnostic investigation including MR Mammogram and surgical setup for breast diseases.

## Infertility and Reproductive Medicine

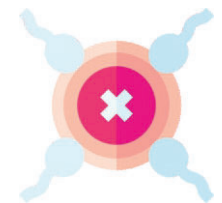
**World-Class IVF Lab:** Equipped with cutting-edge technology for ICSI.

**Embryology Lab:** Facilities for advanced techniques like cryopreservation.

**Male Infertility Unit:** Specialized tools for procedures like TESA.

**Fertility Preservation:** State-of-the-art cryopreservation for embryos.

**Endoscopic Fertility Surgeries:** Advanced laparoscopic and hysteroscopic setups for fertility-preserving surgeries.

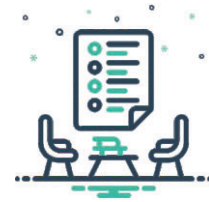


## Vaccination

Providing HPV vaccines for teenagers and Influvac for pregnant women ensures protection against preventable diseases, fostering healthier lives for all.



# Obstetric Care



## Diagnostic and Imaging

Ultrasound Facilities: High-resolution imaging systems for accurate obstetric and gynecological diagnostics.

Fetal Medicine Unit: Equipped with advanced Doppler and anomaly scanning technologies.

Automated Laboratory Services: Cutting-edge lab technology for hormonal assays, genetic testing, and comprehensive diagnostic support.

## Emergency and Critical Care

24/7 Emergency Services: Fully functional rapid-response team for obstetric and gynecological emergencies.

Emergency Operation Theatres: Equipped with advanced anesthesia and surgical systems for critical interventions.

In-House Blood Bank: Ensuring timely availability of blood and components for emergencies.

## Patient-Centric Facilities

Modern Recovery Suites: Well-furnished private rooms designed for post-surgical and postpartum care.

Comprehensive Counseling Services: Dedicated spaces for psychological support, fertility counseling, and dietetics consultations.

Physiotherapy Unit: Tailored programs for postpartum recovery and gynecological health.

## UNIQUE SALIENT POINTS

Respectful maternity : We practice respectful maternity care to all our antenatal mothers.

0% MMR and NMR : We practice safe obstetrics and achieved Nil maternal and neonatal mortality .

We had dealt with increased high risk obstetrics cases, ectopic cases and referrals this year -65% success rate in IVF.

Exceptional endogynecological services : We have evolved more into modern endogynec procedures rather than open (Laparoscopic Hysterectomies and Hysteroscopic procedures ) Mastering complexities with expertise :There was no major complications from operated cases . In the era of so many women with surgically absent uterus ,in our hospital we have preserved uterus with magical intra uterine device called Mirena. There was no loss of follow-up which showed increased patient satisfaction.



## Obstetric Care

### Awareness programmes :

1. Every year Breastfeeding week was celebrated in August 1<sup>st</sup> week with interesting question and answer sessions .
2. Antenatal counselling sessions were conducted once in two weeks regarding diet and exercise .
3. We have been the best in treating PCOS with our Diet and Exercise (**Preethi Wellness centre for women** ).
4. With **well women clinic** we have succeeded in screening women for cervical cancer and teaching all women about self-breast examination .
5. We have started a **CONCIEVE NATURALLY** programme where we advice diet and lifestyle changes to infertility couple .

### VACCINATION HUB : YOUR FIRST LINE OF DEFENSE

We provide HPV VACCINATION : Protecting women's health with FOGSI immunization schedule for adult women.

### CAMPS :

1. **Spreading hope through free infertility camp** : At Preethi hospitals, since february 2022 every month we extended our care beyond the hospital walls, reaching hearts and homes across Madurai and its neighboring areas. Each camp witnesses over 100 couples seeking a chance to hold a miracle in their arms.
2. **Dedicated Saturdays** : Free scan camps for women in Madurai. At Preethi hospitals, since January 2022 every Saturday we offered free ultrasound scans for every women who attended the Saturday camp. Around 25 women screened every week.
3. **Caring beyond patients** : At preethi hospitals, we extend our care not just to patients but also to their loved ones. We offer free scans and consultation for all attenders.

### Conferences conducted :

1. **PeGU 1** ( Preethi EndoGynec Update): 16<sup>th</sup> October 2022. 100 delegates participated in the Live Laparoscopic workshop. 10 Laparoscopic cases were shown as a Live in single day.
2. **PeGU 2** (Preethi EndoGynec Update): : 3<sup>rd</sup> December 2022: 75 delegates participated in the endotrainer session .
3. **Preethi OG Imaging Insights** : November 9 and 10<sup>th</sup> 2024. 200 delegates participated in the conference .Dr Hema Sivakumar was the organizing chairperson . A Live Demo session and a basic ultrasound worshop was conducted successfully.



# Obstetric Care

## Academic Achievements :

1. **Academic Excellence** :NBEMS approved centre for diploma DNB for og since december 2022 . 2 post graduate seats granted for each year .We are committed to fostering a culture of academic excellence . With our good academic guidance **our first batch postgraduates cleared their final exams in first attempt.**

Every Tuesdays we conduct seminars for PGs.

Every Thursadys we conduct journal clubs for PGs .

Every Saturday we take theory classes for PGs.

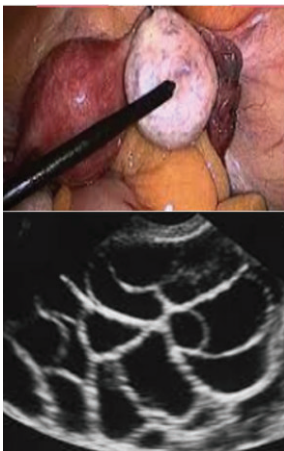
Every Wednesday we do case discussions .

Every week we conduct audits regularly .

## Interesting cases :

### 1. A RAINBOW AFTER A STORM :

- Mrs .X 30 years and her husband married since 8 years came to our hospital for infertility work up . Patient got conceived by ICSI . But it was confirmed to be triplet pregnancy .
- The couple opted for *fetal reduction* to avoid the risks of multiple pregnancy and she delivered a term baby .



### 2.A puncture that leads to pregnancy

- Mrs x 32 years old female had infertility history for past 10 years .
- Both male and female factor infertility was present
- ICSI was done and she had OHSS and hence embryos were cryopreserved and that cycle was cancelled .
- She underwent a PCOS puncture and after 2 months embryo tranfer was done and all the efforts answered with a positive pregnancy .



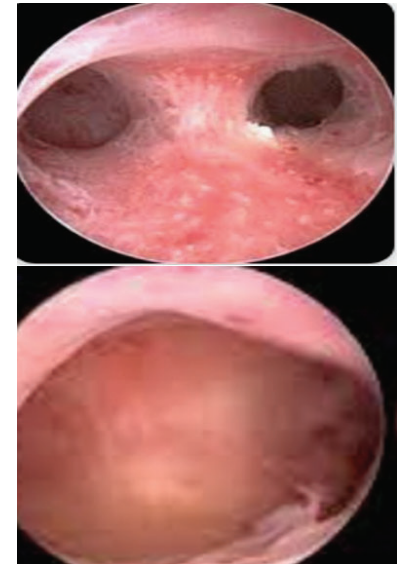


### 3. Scar dehiscence :

Mrs X 29 years P2L2 / 2LSCS/not sterilised LSCS was done outside and came to our hospital on POD 16 with abdominal distension and fever . MRI showed scar dehiscence with organised hematoma with 9x7x5 cm . Antibiotics and anti-inflammatory was started . Since there was increase in size of hematoma with fever spikes Laparotomy was done. A scar dehiscent area of 3x2 cm was noted in Lower uterine segment with pelvic abscess and devitalised pelvic tissues , Hysterectomy was proceeded. Pus culture and tissue culture sent . Maximum devitalised tissues removed and vault closed. Intra-operative and post-operative period uneventful . Culture showed pseudomonas growth and antibiotics continued for 14 days and patient discharged in stable condition .

### 4. Breaking the dividing wall

- Mrs.X 27 years old nulligravida , presented to OBG department of Preethi hospital, Madurai .
- On Evaluation the couple was diagnosed to have Primary infertility with both male factor ( oligo-terato-zoospermia in semen analysis) and female factor (complete uterine septum in MRI). **Hysteroscopic septal resection using thulium laser** was done for her .
- She was given OCP for about 6 months and then repeat HSG showed a single uterine cavity
- She got conceive spontaneously and delivered a female baby . Her antenatal period was uneventful.





# Obstetric Care

## 5. Tailored Plans to parenthood :

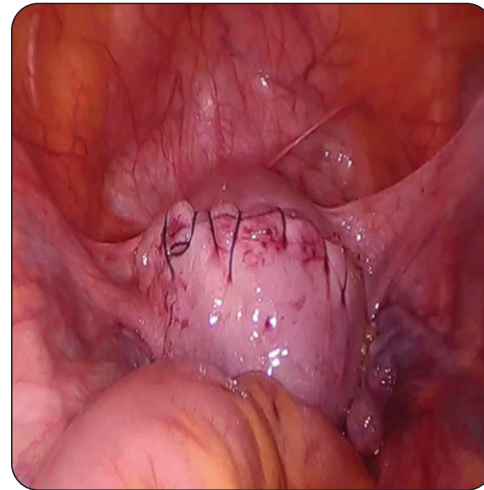
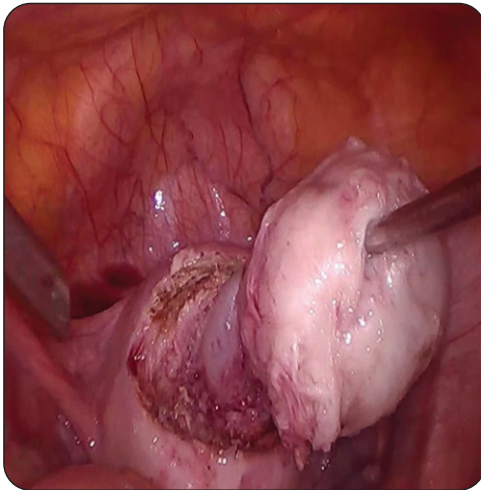
Individualised treatment plans for Every Couple

### Against all odds

Mrs X 38 yrs, 16 YEARS OF INFERTILITY came with AFC :4 , AMH 0.6 . Husband's semen analysis showed Azoospermia. Testicular biopsy showed presence of sperms. DHEA add-on was used prior to ICSI. Long protocol with Hcg trigger was followed . ICSI and Fresh embryo transfer was done. Patient came with Positive pregnancy

### A Ray of HOPE

Mrs Y 26 yrs , 7 YEARS OF INFERTILITY with AFC: 5, AMH:0.4. Semen analysis was normal. DHEA add on, thyroid correction done was used prior to ICSI. Long protocol followed but follicles were not pushed and growth hormone given . 2 Follicles reached 18mm and 20 mm . FROZEN embryo transfer done . Patient got conceived and delivered uneventfully .



## 6. Laparoscopic myomectomy

A case report of 34 years old woman P1L1/prev-LSCS presented with c/o secondary infertility since 7 years , heavy menstrual bleeding and severe dysmenorrhea for 1 year which was not relieved with medical management. She had no other comorbidities. No significant past/ family history. On evaluation found have a fundal intramural leiomyoma of 12\*8 cm distorting the endometrium. Laparoscopic myomectomy done . She got relieved from dysmenorrhea and heavy menstrual bleeding. She conceived spontaneously after 13 months of surgery. Antenatal period was uneventful. She delivered a female baby of 2.6 kg at term by elective LSCS.



**OG Imaging  
Conference  
November 2024**

