

**INSTITUTIONAL DISTINCTIVENESS**

DPU has undertaken several initiatives, some of which can be considered as distinctive features. These include:

- DPU as a solar powered campus
- DPU IVF & Endoscopy Centre
- Multi organ transplant facility
- Ultra-modern DPU Learning Resource Centre
- Provision of Seed money for research
- In-house development of ERP and HMIS
- 4<sup>th</sup> Generation Da Vinci Robot for Robotic surgery
- DPU Merit Scholarship scheme for students

Although it is not possible to give detailed account of all these distinctive features, the key area of priority and thrust for DPU is the development of Invitro Fertilization and Endoscopy Centre which is described in detail:

**DPU INVITRO FERTILIZATION AND ENDOSCOPY CENTRE****INTRODUCTION:**

DPU Invitro Fertilization and Endoscopy Center is a state-of-the-art facility with a unique approach which is spearheaded by Medical Director and Chief with vast experience and excellence in the field of Assisted Reproductive Techniques (ART), is poised to bring to life and create miracles in the DPU IVF and Endoscopy Center.

**RATIONAL FOR THE ACTIVITY:**

The facility provides exceptional, personalized reproductive and fertility health care to the patients. The facility follows a three-step approach that is affordable IVF treatment, highly trained gynecologists in IVF with extensive research and development. The advanced facility is designed to ensure maximum safety and minimal stress to the patients during treatment. The proficient team of experts guides the couples from the initial stage when they first arrive at the Centre and advises them to choose the right options. The patient is also educated regarding the various treatment options available and its cost-effectiveness. The quality of the treatment provided at the DPU IVF and Endoscopy Center is on par with the

  
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best IVF Centers across the world. While utilizing the latest advances in medicine combined with state-of-the-art techniques, the goal is to treat the patients with comfort and compassion. Regardless of the patient's situation, the infertility expert at DPU work closely to develop a personalized fertility treatment plan. As a leading destination for fertility treatments, DPU IVF & Endoscopy Center offers hope to patients around the world. At the Center, the patient's dreams are taken seriously, and the team is dedicated to fulfilling and realizing them.



Lobby Area



Waiting Area

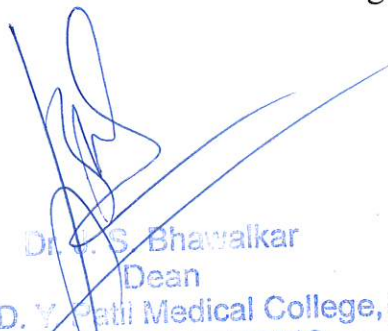



Ultrasound Room



Consulting Room

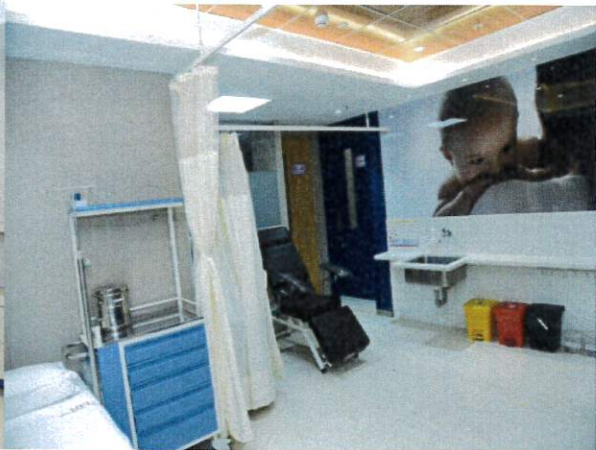
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Conference Room



Blood Collection Room



Air Shower



Endoscopy Operation Theatre

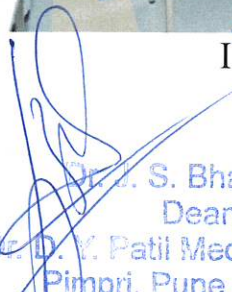


IVF Operating Theatre



IVF Lab

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Time Lapse Embryoscope

**OUTCOMES ACHIEVED:**

At the DPU IVF & Endoscopy Center, we strive to provide the best fertility care from maintaining the highest medical, scientific, academic standards and supporting them through every stage of their journey to parenthood. The center is spread over the 7<sup>th</sup> floor of the luxurious DPU Hi-Tech Hospital Building. We have a string of private rooms tastefully designed and an ultra-modern Labor Rooms catering to high-risk obstetrics patients who are conceiving after fertility treatment. The Centre has two in built futuristic OT complexes one is dedicated to Assisted Reproduction Procedures and the other to Endoscopic OT with 3D Laparoscopic operating system.

The most important feature of the Center is that we custom design our fertility treatments to the individual's needs. The Center offers the best possible chance of pregnancy and parenthood a couple can have. We achieve this through our ultra-modern technology in the IVF Lab, which is first of its kind in Pune. We achieve this by using Time Lapse Imaging for best Embryo selection. The other advanced technologies that have been incorporated are assisted hatching of Blastocyst to maximize implantation, no touch closed intracytoplasmic sperm

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injection (ICSI) chamber and Spindle imaging technology for maximum chances of fertilization.

On 25<sup>th</sup> July 2021 we opened our doors on a mission to provide comprehensive, affordable, and high-quality fertility care to our patients. Till date we have successfully treated more than 2000 patients with infertility out of which 800 patients have undergone IVF treatment. We strongly believe in delivering the highest quality fertility care at every level. High tech procedures such as Intracytoplasmic morphologically selected sperm injection (*IMSI*), genetic testing, Embryoscope and frozen embryo transfer (FET) are used which reflects in our high success rates of about 80% fertilization rate and > 35 % implantation rate. For patients DPU-IVF and Endoscopy center is one stop destination for all fertility related issues. We handle hundreds of the most challenging cases of infertility making us particularly well trained to help patients achieve their dreams.

We continuously invest in our medical technology and our people. At DPU IVF, fertility treatment is led by a team of experts with a collective experience of 100 plus years. Our team includes faculty who have worked at world-renowned medical schools, with international exposure towards improving fertility treatment outcomes and have developed new medication protocols focusing on modulating the immune system for repetitive IVF implantation failures, recurrent pregnancy loss and boosting sperm, egg, embryo, and uterine quality.

Our team invests in training and bringing out proficient leaders in the field of IVF and Endoscopy. Two conferences have been organized by DPU-IVF in the year 2021. Our most recent achievements are a three-day hybrid initiative which included direct relay of over sixty surgeries by sixty-eight experts on a virtual platform. The same was also being relayed for surgeons present at the DY Patil Vidyapeeth Auditorium physically. The most striking feature of this academic meeting was that surgeries were being done free of cost. The conference also included keynote addresses, panel discussions and technical sessions.

### **CONCLUDING REMARKS:**

We have overcome obstacles of quality treatment by being available for all and continue to strive for a better future of fertility medicine. In future we have plans of expanding our department in fetal medicine and high-risk obstetrics to provide a more wholesome experience for the patient.

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