

## About IVF Solution

**PARAS** is a Patient Centric Comprehensive & Integrated Healthcare Delivery Platform conforming to best clinical and administrative practices. PARAS covers the complete spectrum of patient care. Its fully integrated enterprise class solution is designed to suit the needs of all kind healthcare providers like hospitals, clinics, laboratories, day care centers, diagnostics etc.

PARAS IVF solution is a web-based application providing fertility clinics and hospitals a helping hand in managing the administrative records & patient information in a better and efficient way.

## PARAS IVF Workflow

### Step 1 - History Capture

- 1 • Infertility History
- 2 • Menstrual History
- 3 • Contraceptive History
- 4 • Obstetrics History
- 5 • Treatment History
- 6 • Gynaecology history
- 7 • Sexual History
- 8 • PFSH
- 9 • PHI Medical

### Step 2 - Study, Treatment & Result

- 1 • Follicular Study
- 2 • Baseline scan
- 3 • Ovarian Stimulation
- 4 • Oocyte Retrieval Records
- 5 • Embryology Records

## Workflow

**Workflow Set 1**, as the patient visits first time to the facility, she will be registered and a Patient ID will be created along with other details. After registration, she will be booked and scheduled under a consultant who will perform the check up and prescribe further on her current condition. Along the way, EHR will be created under the patient ID and all the medical records and details will be logged in the system.

EHR PAS will be populated consisting of personal & family details, alerts & risks of the patient, if any allergy is active or if she has symptoms of any kind of chronic diseases, etc. EHR Status functionality set will cover the patient's detailed allergy and ADR history, Comorbidity chronic systematic illness, active medications, medication allergy list & safety alerts, MPL & coding, physical measurements, etc.

**Workflow Set 2**, the consultant will capture the relevant information in the dashboard; like infertility history, menstrual, contraceptive, obstetrics, treatment history, gynaecology, sexual history, etc.

After submitting, the system will create the patient's EHR and will be updated as and when the patient gets in touch with the consultant for follow-up, tests, treatment, prescription, etc.

**Workflow Set 3**, will be comprise of IVF related study, tests and their results.

Follicular study - assessing ovarian follicles at regular intervals and documenting the pathway to ovulation. Here, Cycle no., LMP, Medication prescribed, Cycle day, Stim day, Right and left ovary details are captured.

Base line scan - scan for Uterus & Endometrium, lining of the womb. The details captured includes size, morphology, volume, accessibility PV, AFC 2-6 mm, AFC 6-10 mm, stroma, PSV and RI for both left and right ovaries.

Ovarian Stimulation Records - include details like stimulating the ovaries by giving the medicines such as Gonadotropin and capturing the starting

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dose, stimulating dose and total days of stimulation from start to end date.

**OOCYTE Retrieval Records** – includes details like; allergies of the patient, medical illness, pre anaesthetic problems, bladder emptied, protocol, fasting since, start time, end time, surgeon, anaesthetist, nurse and embryologist details.

**Embryology Records** - It includes embryology records, oocyte quality assessment, embryo transfer and treatment outcome - conceived or fail to conceive, treatment comments and embryology score record details.

**Workflow Set 4**, after all the assessments and test the consultant will provide Ordering [CPOE] for the patient and sets duration of pregnancy & the due date. After conception is successful, the consultant will connect her to the obstetrics consultants for better care during the pregnancy period.

As the healthcare facility will be using the same PARAS IVF solution, the information will flow within a fraction of time from IVF to obstetrics module and later on to neonatology and paediatrics modules for the further care of the foetus till the child's defined age.

## PARAS HIS Components

**PARAS** is integrated bi-directionally with other clinical & administrative processes, to make the flow of information transparent and easy.

Some of the native systems that are incorporated seamlessly with IVF solution are: finance, HR, inventory, registration, admission, follow-up, billing & payment, helpdesk & enquiry, ward & bed management, medical records, OT & surgery, pharmacy management, portals, RIS, LIS, doctor and nurse dashboard, etc.

Srishti Software is a leading product development company providing cutting edge technology solutions in the Healthcare domains anchored around its product PARAS. Srishti's objective is to enable health care providers deliver required services to care recipients by implementing best in class administrative and clinical practices, processes and controls and helps in running the hospitals profitably.

Srishti's product PARAS is a Patient Centric Comprehensive & Integrated Healthcare Delivery Platform conforming to best clinical and administrative practices. PARAS cover the complete spectrum of patient care. Fully integrated Enterprise class solution is designed to suit the needs of all kind healthcare providers like hospitals, clinics, laboratories, day care centers, diagnostics etc. This helps in creating a totally paperless and filmless hospital that can run profitably and compete in the markets.

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