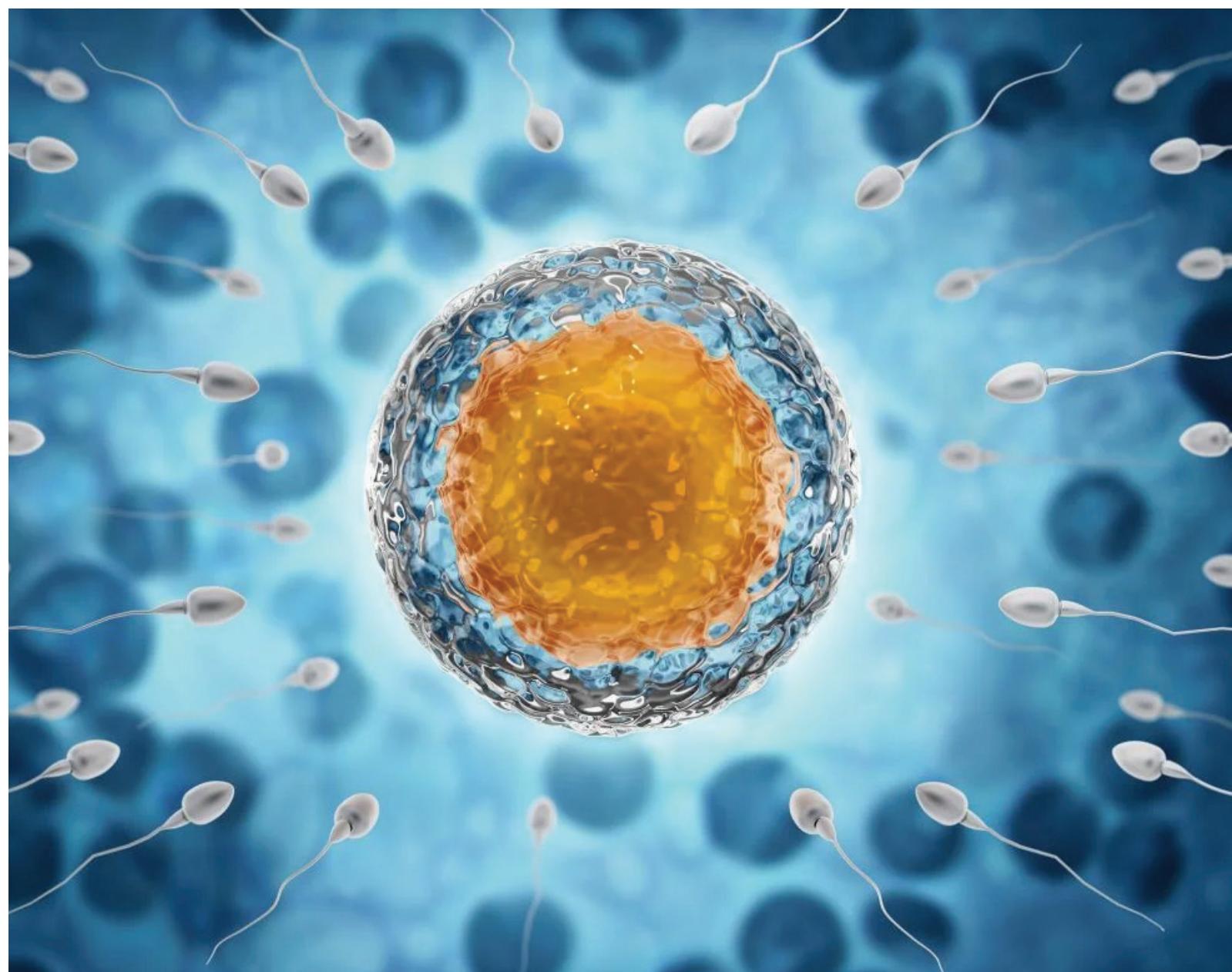




Complete EMR Solution for ART Clinics



ALL-IN-ONE PLATFORM TO REVOLUTIONIZE YOUR ART BUSINESS

A product of **Medilink**



A NextGen cloud-based platform to cater all your ART digitalization needs. It unlocks the potential of ART business by improving patient experience and transforming business operations through intelligent insights and control.

A UNIFIED PLATFORM TO MANAGE ALL ART CLINICAL AND OPERATIONAL PROCESSES.

- 300+ Unique Features
- Fully Secure
- HL7 Interface
- Leverages AI Services
- Comprehensive EMR System
- One Patient - Multiple Clinics
- Prebuilt Checks and Protocols
- Integrated Embryology Module
- Powerful KPI & KRA Dashboards
- Open for all Integrations
- Cloud-Based Platform
- IVF Calender
- Chain of Custody
- ART Cycle Planning
- AI enabled Andrology
- Smart Stimulation Sheet
- Injection Room Automation
- Revenue Recognition Automation
- Couple, Family and Surrogacy Registration
- Hassle-free Migration from another EMR/EHR



CLINICAL

Clinical module of EMR wholesomely captures entire patient clinical journey starting from their evaluation, history, infertility treatment planning, ovarian stimulation, medication, embryo transfer, ANC care till live birth which enables to track all **Vienna and Maribor KPI's** for ART clinics.



Patient History

Detailed medical history of the patient including relevant ART history like Poseidon grouping can be taken systematically which enables the clinician to identify the cause of their infertility and plan their treatment accordingly.

Ultrasonography

TVS module which is capable of capturing details of all possible pathologies like **mullerian anomalies, tubal and ovarian pathology**.

Investigations

All investigations can be requested from any diagnostic lab and reports generated can be synchronized and pushed into EMR. EMR highlights abnormal investigations and enables clinicians to see their trends.

Endometrium Assessment

Endometrial thickness, its quality (endometrial grade and vascular zone) and doppler can be captured for patients coming on HRT for Embryo Transfer.

OPD

Outdoor of all departments (ART, Obstetrics, Fetal Medicine, Urology, etc.) can be managed with this module capturing patient complaints, physical findings, history, prescribing medicines / investigations etc.

Nursing

It enables nurses to perform and document all their activities like vital monitoring, scheduling or administrating medicines etc.

ART Treatment Planning & Counselling

It plays a very important role in deciding the treatment plan required for the patients which will benefit them to achieve their goal of parenthood. It also captures male and female indications for ART and enables clinicians to offer desired ART treatment best suited for the patient.

Ovarian Stimulation

Various stimulation protocol and details of follicular monitoring can be captured and enables clinicians in deciding gonadotropin dose, day of antagonist and type of trigger. Also, it gives an insight about stimulation KPI like average **gonadotrophin per patient, FORT, FOI, OSI**, and expected oocyte retrieval for analysis.

IPD

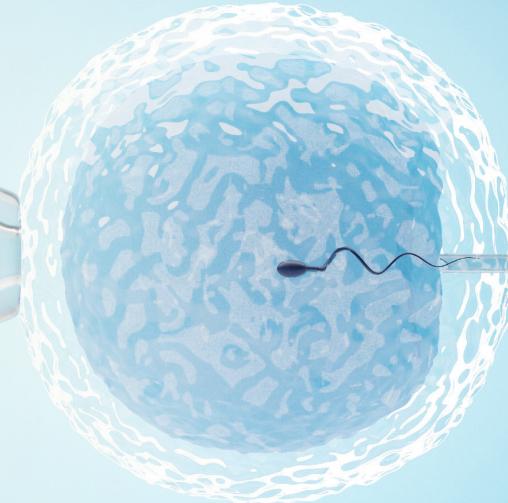
Conservative or operative admissions can be managed with detailed doctor and nursing rounds capturing complaint, history, vitals, examination, important counseling / advises, prescribing investigations or medicines. For operative procedures, EMR enables to capture operative findings / outcomes / complications of all ART relevant procedures (OPU / Embryo transfer / Hysteroscopy / Laparoscopy). Operative notes and discharge summary can be generated in a few clicks.

Daycare

Daycare module of EMR helps clinicians to document all day care procedures like Embryo Transfer, Endometrial Biopsy, IUI, SIS, ERA, Asptic Tapping, TESA, etc. in simplified but efficient way, thus helps optimize daily workflow, keep track of patients who visit ART clinic.

EMBRYOLOGY

EMR enables to manage IVF lab as per **QA/QC standards**, stock management, preventive maintenance and capturing all Vienna and Maribor KPI's



Ovum Pick Up (OPU)

OPU page captures details regarding retrieval rate, Mill rate, and oocyte quality along with the Incubation and media consumption details.

Embryo Assessment

Every stage of embryo right from fertilization, cleavage stage, and blastocyst stage can be documented in EMR as per the standard embryo grading system (**Gardner, ASEBIR, etc.**) used worldwide. Also, captures the FATE of each embryo and accordingly generate respective reports.

Embryo Cryopreservation

Capture every detail of cryopreservation like the number of embryos frozen, storage location in cryo-tank, thawing details, etc. This facilitates easy tracking of frozen embryos, cryo-renewal remainder and KPI's like cryo-survival rates.

Embryo Genetic Testing (PFT-A/PGT-M)

Capture information about the specific type of biopsy performed, such as invasive, non-invasive procedures, blastocyst biopsy or cleavage-stage biopsy, successful biopsy rates, etc. Also integrate genetic testing reports along with embryo transfer report.

Insemination (IVF/ICSI)

EMR allows you to document specific fertilization method used, whether IVF, ICSI, or both and documents all relevant observations regarding oocyte/OCC quality, morphology, sperm preparation details, embryologist's name, start and end time of the procedures, etc.

Embryo Culture

EMR captures complete details for culturing embryos, including the specific culture media used, incubation conditions, incubator and specific chamber used for culture, duration of culture, etc. can be captured in EMR.

Embryo Transfer

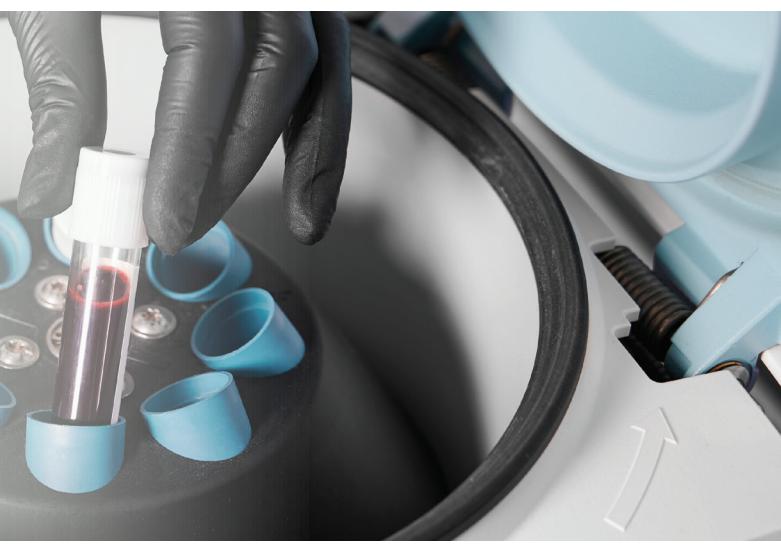
One can document the number of embryo transfers and additional techniques used like embryo glue or assisted hatching technique. EMT enables to grade embryo transfer basis visualization of embryo release, blood/mucus on catheter and reversal of embryos.

Time Lapse Integration

Images and videos of developing embryos captured by TL at regular intervals can be pushed into EMR allowing record of morphological milestone of each embryo for clinical analysis and research.

ANDROLOGY

The dedicated andrology module helps in standardizing andrology reports among individual and centers, also helps them in documenting semen preparations and cryopreservation.



Basic Semen Analysis

Specifically designed to capture only important values like count, motility and morphology required to be captured during IVF/ICSI procedures.

DNA Fragmentation

Documents the number of sperms counted along with its halo and auto calculates DNA fragmentation index. It also automatically generates the impression of the DFI test with the help of reference ranges for the test. This allows doctors and patients to interpret the results easily with the help of established benchmarks.

CASA Integration

Sperm images and videos can be integrated into EMR from CASA systems which helps healthcare providers to enhance patient care by streamlining data management, automating reporting, supports counselling, and facilitates research.

Semen Cryopreservation

Systems ensure storage, retrieval, tracking and renewal of cryopreserved sperm samples while facilitating comprehensive patient record-keeping. It enhances transparency and compliance as per QMS.

Other Services

EMR covers every andrology procedure which can be offered to patients like sperm vitality, leucocyte testing, fructose testing, etc. Our EMR is completely customizable with user requirement and open for changes as per the requirement of customers.

Advanced Semen Analysis

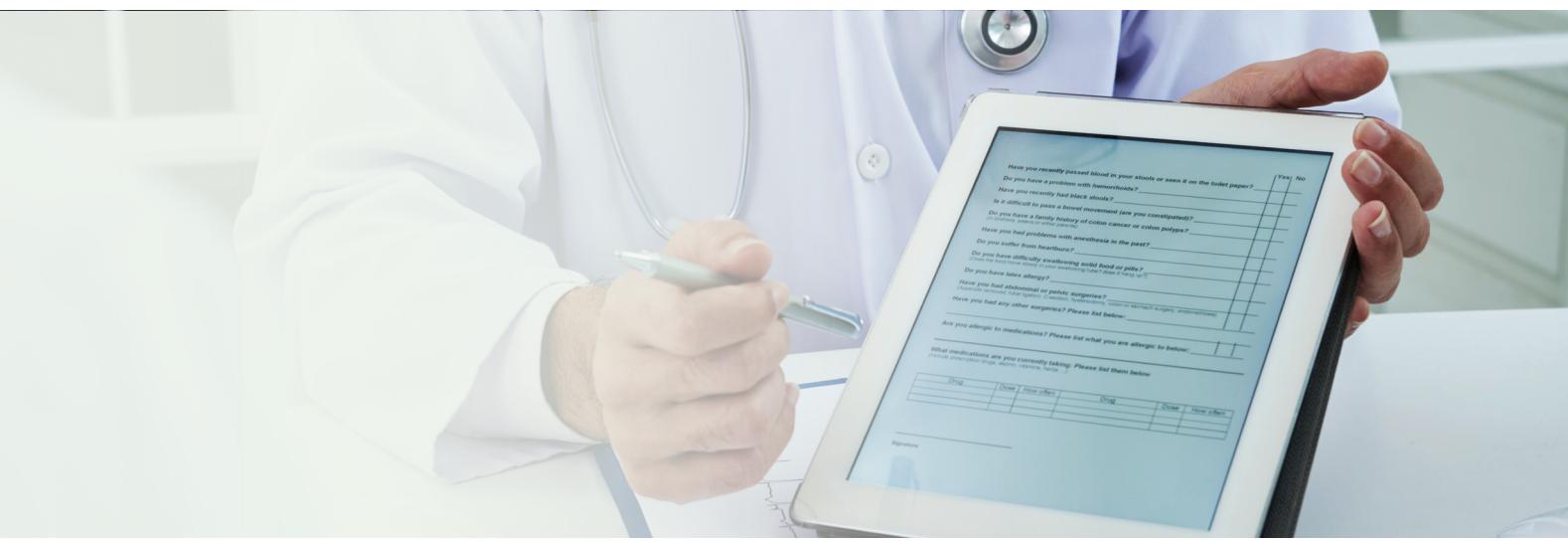
Captures detailed information about semen parameters as per WHO 2020 guidelines like sperm concentration, sperm motility (progressive and non-progressive), sperm morphology (shape and structure), etc. Includes automation of impression generated with use of machine learning.

Date: 30-05-2023 12:11 PM
Reference No.: XXXXXXXXXX

Patient Name: XXXXXXXXXX Patient Id: XXXXXXXXXX
Age: XXXXXXXXXX Test Type: Andrology

Sample Info		Analysis Chart	
Sample Taken Date :	11-07-2022	Liquefaction :	Normal
Sample Taken Time :	04:01PM	Liquefaction Time :	25 min
Sample Receiving Date :	11-07-2022	Viscosity :	NORMAL
Sample Receiving Time :	04:01 PM	Abstinence :	<2 Days
Sample Tested :	Antegrade	Volume(mL) :	2.50
Sample Collection At :	Orsite	Ph. :	8
Any Spillage Reported :	No	Visual Appearance :	Grey Opalescent
Parameter	Result	Ref. Value	
Sperm Concentration (million/ml)	46.00	>=16	
Motility			
Sperm Motility Total PR+NPR (%)	56.00	>=42	
Progressive PR (%)	48.00	>=30	
Rapid Progressive (%)	31.00		
Slow Progressive (%)	17.00		
Non Progressive NPR (%)	8.00	<12	
Immotive IM (%)	44.00		
Morphology			
Normal Forms (%)	3.00	>=4	
Head Defects (%)	49.00		
Mid Piece Defects (%)	29.00		
Tail Defects (%)	19.00		
Total Ejaculation			
Total Sperm Count (million/ejaculate)	115.00	>=39	
Motile Sperm (million/ejaculate)	64.40		
Morphologically Normal Sperm	3.45		
Additional Information			
Debris	+	nill	
Round Cells (million/ml)	<1	<1	
Agglutination	+	nill	
Aggregation	+	nill	
Fructose	NA	Present	
Peroxidase-Positive Cells Concentration (10 ⁶ Per ml)-Plus Cells			
Impression: Teratozoospermia			
Remark:			

Prepared By: XXXXXXXXXX Checked By: XXXXXXXXXX



LABORATORY

- Pathology
- Test Reports
- Radiology
- Research



PATIENT

- Appointment
- Follow-ups
- Notifications
- Prescription
- Lab Reports
- Donor
- Surrogacy

MRD

- Patient History
- Consent Generation
- Consent Storage
- Operative Notes
- Discharge Summary
- Cryo Preservation Summary
- Embryo Transfer Summary
- Ovarian Stimulation Summary
- Doctors & Nursing Rounds
- Treatment Cycle Tracking

Patient 360 History

UHID: Treatment Start

Registration No.: URN No.: Stage: Treatment Start

Location: MEDDILINK - UDAIPUR Account Date: 30-01-2023 Account Status: In Progress

Plan: IVF/ICSI Package: NORMAL OPU / OD PACKAGE - NORMAL

Cyclo: ONE Current Cycle / Revision: 1/1 Cyclo Plan: IVF- OPU with SS

Timeline

- 30-01-2023 Enquired
- 30-01-2023 Created
- 30-01-2023 Consulted
- 30-01-2023 Registered
- 30-01-2023 File Created
- 30-01-2023 Package Selected
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Pathology

Andrology

MRD

Consent



ADMIN

- **MIS Reports** - All managerial reports which can be beneficial to flourish the client's business can be constructed and produced periodically.
- **KPIs** - It provided interactive dashboards and measurable values demonstrating how effectively an organization is achieving its key business objectives.
- **Finance & Billing** - Accounts handling and governance throughout a patient's treatment and/or any integration with any other systems can be manifested in our system.
- **Package Management** - Customization of any packages usually or periodically can be delivered as per the requirement.

PHARMACY

- **Purchase and Sales** - Pharmacy transactions can be dealt through EMR to reduce medication errors and allows pharmacies to connect with consultants in the same EMR system. It also gives direct access to a patient's medical history and known drug interactions to evaluate drug effectiveness and list possible adverse effects.
- **Re-order** - Procurement of any medication can be monitored on a timely basis depending on the sale transactions, thus allowing a company to compass their needs.
- **Inventory control** - Inventory and stock across clinics can be tracked across clinics and the stores can be managed better. Availability of items can be checked on finger tips.
- **Quality Check** - The quality of products including medicines and equipments is essential to the success of the treatment. The system has checks and processes to ensure the quality.

DASHBOARDS

Multi-disciplinary dashboard helps to improve business and clinical outcomes.

- **Business Insights** - Our dashboard can provide a comprehensive overview of the clinic's financial performance, including revenue, expenses, and profitability. By tracking key business metrics, such as the patient footfall, number of cycles, success rates, and average revenue per patient. Dahboard enables clinic administrators to make data-driven decisions, identify trends, and optimize operations.
- **Clinical KPIs** - Key Performance Indicators (KPIs) of IVF like Maribor consensus can be monitored through our specialized dashboards. These include metrics like cycle success rates, embryo implantation rates, pregnancy rates, and live birth rates. It helps clinicians assess the effectiveness of their treatment protocols, identify areas for improvement, and compare their performance against industry benchmarks.
- **Embryology KPIs** - Our dashboards can monitor Embryology-specific KPIs (Vienna consensus) like fertilization rates, blastocyst development rates, embryo quality assessments, and cryopreservation rates. Embryologists can optimze laboratory procedures, identify issues impacting embryo quality, and enhance overall success rates.
- **Daily Work Summary** - A through report of all the daily activities and pendency's can be checked and monitored to ensure 100% compliance. It includes information on the number of patient consultations, procedures performed, embryology lab work, etc.
- **Appointment Management** - Our dashboards will help streamline appointment scheduling and management. They can display upcoming appointments, availability of clinicians and staff, and any rescheduling or cancellations. This ensures that clinics can effectively manage their patient flow, optimze resource allocation, and minimize appointment conflicts or delays.
- **Compliance** - EMR dahboards can assist in monitoring compliance with regulatory standards, major consensus around the globe and best practices in IVF clinics. They can be customized and help track even adherence to legal requirements, patient consent, documentation and laboratory quality control measures. By visualizing compliance metrics, clinics can proactively address any non-compliance issues and ensure the highest standards of patient care and safety.



INTEGRATIONS

The key MedART system is its interfacing and interoperability with other systems making it robust and powerful. With more than 30 integrations, it allows complete automation and introduces smarts into the system.



VITAL MONITORS



ULTRASOUNDS



CASA



TIME LAPSE TECHNOLOGY



PATIENT APP



DIAGNOSIS



ECG



ELECTRONIC WITNESSING



WHATSAPP



WEBSITE



EMAIL



SMS



RESEARCH



BARCODE



ONLINE PAYMENT



FACE RECOGNITION



EMAIL



SMS



CRM



Power BI



Meddilink

Revolutionizing Healthcare Digital Services

Meddilink is an innovative technology company delivering powerful platforms for healthcare management needs.

We deliver holistic hospital management information systems for healthcare businesses covering stakeholders like Doctors, Patients, Radiologist, Pathologist, Lab team, Accountants, Billing, Pharmacists, Reception, Management, fitness coaches and more.

Our futuristic design and technologically advanced solution for clinic management and smart hospitals helps in streamlining processes, reducing operational cost, promote paperless flow while ensuring greater patient engagement and efficiency.



185+ CLINICS



225000+ CYCLES PROCESSED



35+ INTEGRATIONS

WHY CHOOSE US?

- Get customized solutions as per your business requirement.
- Healthcare domain expertise with the successful implementation of 130+ center hospitals.
- Capability to leverage AI/ML-based services for next-gen solutions.
- Connect with all the stakeholders with our complete and extensive healthcare ecosystem.
- Specialized in delivering BI reporting and services for healthcare industry.
- Get custom mobility solution.
- 100% data security & 24*7 support.



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MedART Video

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