

FOR ECMO SPECIALISTS AND PROGRAMME LEADS

ECMO Universe

One secure platform for the entire ECMO journey - from referral and cannulation to weaning, decannulation and follow-up.



Paperless

charting, consent and notes

Multi-centre

each hospital branded and isolated

Compliant

ISO 27001-aligned, DPDP Act 2023



01

Bedside ECMO charting

Replace paper flowsheets with structured, time-stamped records the whole team can see.

- Hourly circuit parameters: RPM, blood flow, sweep, FdO₂, pre/post-oxygenator pressures
- Medications, infusions, investigations and imaging in one patient timeline
- Haemodynamics, ventilator settings, ACT / anti-Xa and lab trends with charts
- Configuration details: VV, VA, VAV, cannula sizes and sites



02

Digital consent on your letterhead

Informed consent generated in seconds, printed on your hospital's own letterhead.

- ECMO initiation, referral / transfer and decannulation consent templates
- Electronic signature capture with witness and clinician attestation
- Risks, benefits and alternatives written for families in plain language
- Every PDF carries your institution's logo, address and registration details



03

Referral and mobile ECMO retrieval

Referring hospitals submit cases securely and follow progress without phone tag.

- Public referral form with essential ELSO-style selection criteria
- Accept, decline and retrieval workflow with full audit history
- Private status link for the referring clinician - no login needed
- Referral consent and transfer documentation generated automatically



04

Weaning and decannulation

Document the whole exit pathway from trial-off to post-decannulation review.

- Structured weaning notes: sweep-off trials, flow reduction, echo findings, readiness
- Decannulation consent with expected benefits and complications
- Procedural decannulation notes: technique, vessel repair, haemostasis, complications
- Role-based team: intensivist, perfusionist, nurse, surgeon, each with the right access

Your patients' data, protected

Controls mapped to ISO/IEC 27001:2022 Annex A and built for the Digital Personal Data Protection Act, 2023. Your hospital stays the data fiduciary; we only process data on your instructions.



Encryption everywhere

TLS 1.2+ in transit, AES-256 at rest for database and files.

Two-factor sign-in

Authenticator-app 2FA with backup codes; admins can enforce it.

Tenant isolation

Each hospital's data is strictly separated from every other.

Tamper-proof audit trail

Who viewed or changed what, when and from where - append-only.

Auto sign-out

Idle sessions end after 15 minutes; 12-hour maximum session.

Backups and retention

Point-in-time restore and configurable retention policy.

DPDP rights register

Access, correction, erasure and grievance requests with due dates.

Breach register

Incident log with 72-hour Data Protection Board deadline tracking.

Also included

- Installable app for phone, tablet and ICU workstation, with offline fallback
- Patient assignment so staff see only the patients they care for
- Audit export with checksum for NABH / JCI inspections
- Your own logo, letterhead and app icon for every institution
- Electronic signatures with password re-entry on critical entries
- In-app support tickets directly to the platform team

Bring your ECMO programme on board

Each institution gets its own branded workspace, staff accounts and letterhead. Contact us for a demonstration and onboarding.

ECMO Universe is a proprietary platform of Sardhara Medical Private Limited, in association with Janvi Multispeciality Hospital. Regd. office: Tower-A, 4th Floor, Silver Square, B/s Patel Timber, Harni Colony, Vadodara 390022, Gujarat, India.