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Bangalore / Trivandrum, India

EDUCATION

MBA, Hospital & Healthcare Management (Online)
Symbiosis International University — Ongoing, Exp. 2026

DM, Cardiac Anaesthesia & Critical Care
AIIMS, New Delhi — 2025

MD, Anaesthesia & Intensive Care
PGIMER, Chandigarh — 2022

MBBS
JIPMER, Pondicherry — 2018

EDAIC Part I (European Diploma, Anaesthesiology & ICU)
European Society of Anaesthesiology & ICU — 2024

REGISTRATIONS

Delhi Medical Council — 104426

Kerala Medical Council — 108751

CORE SKILLS

- Adult & Paediatric Cardiac Anaesthesia
- Advanced Perioperative Imaging
- Haemodynamics & Critical Care
- Digital Health & Product Leadership
- Automated Clinical Systems

PRESENTATIONS

Invited Faculty & Workshop Conductor
ISA World SIVA Congress, Chandigarh — Jul 2025

Faculty & Workshop Facilitator
70th Annual Conf., Indian Society of Anaesthesiologists — Nov 2023

Faculty & Speaker, CME on Automated TIVA
PGIMER, Chandigarh — May 2023

Dr. Jijo Francis

Cardiac Anaesthesiologist & Physician-Innovator | Digital Health

DM (Cardiac Anaesthesia) • MD (Anaesthesia & Critical Care) • MBBS

PROFILE

Physician-Scientist bridging elite cardiac anaesthesia training (DM, AIIMS New Delhi) with hands-on product leadership in digital health at Cloudphysician. Hands-on responsibility for 1,500+ complex cardiac surgeries and advanced 2D/3D TEE, alongside building tele-ICU decision-support tools and researching closed-loop, algorithm-driven anaesthetic delivery (CLADS). MBA (Healthcare Management, ongoing) aligns the clinical, technical and business threads of this work.

CORE COMPETENCIES

- Adult & Paediatric Cardiac Anaesthesia — 1,500+ cases; CABG, valve surgery, aortic root/arch, congenital repairs (TGA, TOF, Fontan)
- Advanced Perioperative Imaging — 2D/3D TEE acquisition, multi-planar reconstruction, valve & structural assessment
- Haemodynamics & Critical Care — CPB management, inotrope titration, ECMO/VAD, weaning, tele-ICU critical care
- Digital Health & Product Leadership — Tele-ICU platform architecture, CDSS, clinical workflow → engineering requirements
- Automated Clinical Systems — Closed-loop drug delivery (CLADS/TIVA), predictive haemodynamic modelling, AI-assisted TEE

PROFESSIONAL EXPERIENCE

Clinical Product Manager | *Cloudphysician, Bangalore*

- Bridge software engineering, data science and clinical operations to design and validate digital health products for partner hospitals.
- Translate clinical requirements from bedside doctors and remote care teams into workflow and clinical decision-support improvements.

Junior Intensivist (Tele-ICU) | *Cloudphysician, Bangalore*

- Deliver tele-ICU critical-care monitoring and decision support across a network of partner-hospital ICUs; validate live clinical software features.

Consultant Intensivist & Anaesthesiologist | *Aveksha Multi-Specialty Hospital & Cytecare Hospital, Bangalore*

- Bedside critical care, emergency resuscitation and perioperative anaesthesia across multi-specialty and oncology surgical suites.

Cardiac Anaesthesia Faculty | *Marrow (Medical Education Platform)*

- Author curricula, video lectures and exam-prep material in cardiac anaesthesia for DM/MCh candidates nationwide.

ICU Consultant | *SUT Pattom Hospital, Trivandrum*

- Directed multidisciplinary ICU operations for high-acuity medical and post-surgical patients.

Senior Resident / DM Fellow, Cardiac Anaesthesia | *All India Institute of Medical Sciences (AIIMS), New Delhi*

- Independently managed perioperative anaesthetic and critical care for 1,500+ complex cardiac surgeries (900+ adult, 600+ paediatric), with advanced 2D/3D TEE and CPB management.
- Researched Closed-Loop Anaesthesia Delivery Systems (CLADS) for automated propofol titration; RCT published in Indian J Anaesthesia (2025).

Junior Resident (MD Anaesthesia) | *PGIMER, Chandigarh*

- Rotated across all major surgical specialties, including the Advanced Cardiac Centre; broad critical-care exposure across Cardiac, Trauma and General ICUs.

PUBLICATIONS & RESEARCH

1. Francis J, et al. Left Atrial Strain as a Predictor of Postoperative Atrial Fibrillation After Mitral Valve Replacement. J Cardiothorac Vasc Anesth (2026).

2. Prakash M, … Francis J, Thottan RS. Perioperative TEE in a Case of Truncus Arteriosus. A&A Practice 18(12), e01883 (2024).

3. Badge M, Kapoor PM, Thiruselvan T, Francis J. Delineating Thrombus versus Myxoma:

Perioperative 3D TEE to the Rescue! J Clin Imaging Sci 14, 6 (2024).

4. Somani S, Makhija N, Francis J, Devagourou V. Noncoronary Cusp Thrombus on TEE Altering the Surgical Approach. J Cardiothorac Vasc Anesth 38(3), 855–857 (2024).

5. Mital T, Francis J, Hasija S, Reddy PR. Role of TEE in "Off-pump" IVC Thrombectomy Associated with Renal Cell Carcinoma. J Perioper Echocardiogr 9(2), 41–44 (2024).

6. Francis J, Puri GD, Samra T, Ashok V, Ganesan R. Effect of IV Lignocaine Infusion on Propofol Requirement Using a Closed-Loop Anaesthesia Delivery System: RCT. Indian J Anaesth 69(6), 587–593 (2025).