

Dr. Sunil T Pandya, MBBS, MD, PDCC

Current Designation:

Medical Director – Century Hospital

Director – Anaesthesia, Pain and Surgical Intensive Care, Century Hospital

Head, Dept of Anaesthesia, Pain and Critical Care, Fernandez Hospital

Fernandez Hospital Pvt. Ltd., Bogulkunta & Hyderguda Units

Founder Director, Prerna Anaesthesia and Critical Care Services (Estb. Feb. 1997); **Trail Blazers in Team Practice**, concept introduced for the first time in the country.

Hyderabad, Telangana, India.

www.centuryhospital.in , www.fernandezhospital.hospital,
www.prernaanaesthesia.com

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Date of Birth : 15-11-1964
Place of Birth : Kollam, Kerala
Nationality : Indian



EDUCATIONAL QUALIFICATIONS

Degree	University / Place	Completion Year
Post Doctorate fellowship in Cardiac & Neuro anaesthesia	Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum	Dec, 1996
MD	Osmania Medical College, Hyderabad	Apr, 1993
MBBS	Osmania Medical College, Hyderabad	Dec, 1988

WORK EXPERIENCE

Head, Dept of Anaesthesia, Pain and Critical Care, Fernandez Hospital : From 2001
Founder Director, Prerna Anaesthesia and Critical Care Services : Estb. Feb. 1997
Senior Registrar / Junior Consultant, Apollo Hospital, Jubilee Hills, Hyderabad : May 1993 – Dec 1995

CERTIFICATIONS

●INSTRUCTOR:

- CTLS (COMPREHENSIVE TRAUMA AND LIFE SUPPORT)
- ALSO (ADVANCED LIFE SUPPORT IN OBSTETRICS)

●PROVIDER:

- ACLS (ADVANCED CARDIAC AND LIFE SUPPORT),
- US IN TRAUMA AND CRITICAL CARE (WINFOCUS)

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● **FACULTY:**

- FCCS (FUNDAMENTAL CRITICAL CARE SUPPORT)

DEPARTMENTAL DETAILS

- Runs one year Fellowship course in Obstetric Anaesthesia (**Started this course for the first time in India in 2007**). In the year 2012, the association of Obstetric Anaesthesiologists, India, recognized this course and has given accreditation.
- Runs a DNB (Post graduate) teaching and Training programme (in Obstetric Anaesthesia /High Risk Obstetrics / Obstetric medicine) for students from other DNB training institutes since 2004.
- Have been a guide / co-guide for DNB (Post graduate trainees) & Fellowship students
- Runs 2 weeks Observer ship course in Obstetric Analgesia (To date more than 250 anaesthetists, obstetricians and physicians have enrolled for this course from across the nation and overseas)
- Founder & Head – Infection Control Team at Fernandez Hospital (2005 – 2014)
- **Heads a dedicated Obstetric Critical Care Unit (1999 – Present)**, the only dedicated Ob. ICU unit in the country. Started for the first time a two day **Obstetric Critical Care Course**, that consist Hands-on and simulated based skill training and lectures. **Started in 2008 and so far have conducted 9 courses at various national and international conferences.**
- **Started for the first time in India a comprehensive on-demand epidural services for women in Labour, 1997**
- Started Acute Pain Management (Post op and acute pain syndromes in women) Services in a Obstetric Unit with a dedicated pain nurse, in 2007
- **The department has done largest number of Obstetric Epidurals in the Sub-continent.**
- Annual Delivery Rate is @ 7500+. Acceptance of epidural for labour pain is ~70%. LSCS rate is @ 25% (Robson's class I), 98% of all elective and 95% of all emergency LSCS done under regional anaesthesia.
- Annual ICU admissions @ 5-7% (70% Referrals) and HDU admissions (14%) of total deliveries of total deliveries.

PUBLICATIONS / CHAPTERS

- **Review article:** Role of rFVIIa in major Obstetric Haemorrhage: Our experience, Indian Journal of Hematology and transfusion, Sept, 2009
- **Review Article:** Labour Analgesia, Recent advances, in Indian Journal of Anaesthesia, Sept-Oct 2010
- **Editorial:** Postpartum headache: Mandates correct clinical diagnosis and right intervention in Journal of Obstetric Anaesthesia and Critical Care (JOACC)
- Organ Dysfunction and Organ Failure as Predictors of Outcomes of Severe Maternal Morbidity in an Obstetric Intensive Care Unit; Journal of Clinical and Diagnostic Research. 2014 Apr, Vol-8(4): OC06-OC8
- **Editor and author, co-author**, world anaesthesia clinics Volume I and II on **Analgesia & Anaesthesia for Labour and delivery**
- Contributed chapter in 'Text Book of High Risk Obstetrics' by Prof. Arul Kumaran S on '**Pain relief in Labour – Various options'**
- Contributed a chapter on '**Labour Analgesia'** in Text book of Pain by Dr.Muralidhar Joshi
- Contributed a chapter on **Critical Care in Obstetrics** in Text Book of Emergency Obstetrics by Dr.Subba Raju (2011)

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- Contributed a chapter in FOGSI (Federation of Obstetric and Gynaecologists Society of India) Document on **Obstetric Critical Care Unit: Minimum standards, Designing** (2011)
- Under print:
 - **Editor and author:** Failed spinals: What next?
 - **Author:** Critical care in Pregnancy (Contributed seven chapters)

PEER REVIEWER

- Indian Journal of Anaesthesia (indexed Journal)
- Indian Journal of Critical Care Medicine (Indexed Journal)
- Journal of Anaesthesia and Clinical Pharmacology (Indexed Journal)
- International journal of clinical anaesthesia
(On an average, I review around three articles every month)

PAPERS PRESENTED / INVITED LECTURES

- Has presented ~160 papers across the country and internationally
- Has given ~ 280 talks in various National and International Societies and forums

WORKSHOPS CONDUCTED

- **Critical care course in Obstetrics:** 2008 (Hyderabad), 2010 (Thrissur, Kerala), 2011 (FOGSI, annual cnf, Hyderabad), 2011 (Kerala), 2012 (Out reach places like Mangalore, Kolhapur, Nagpur), Asia-pacific critical care meet at Jaipur in 2014, Mahacriticon west Zone conference at Aurangabad in Sept 2014, VII AOA Conference at Varanasi, Oct 2014, 4th International Anaesthesia and Critical care meet at Oman, Muscat, Nov, 2014
- **Ultrasound in Critical Care workshop – Dec 2013**
- Conducting **OELSS: Obstetric Emergencies and Life Support Skills, Thrice every year since 2010 at Fernandez Hospital, Hyderabad.**
- **Advanced airway:** Conducted workshops on **Advanced Airway** at (Emergency medicine conference - 2000, Shimoga - 2005, World Anaesthesia Day CME, 2007 at Hyderabad and **Sydney (World Congress on Regional Anaesthesia) in Feb 2013 along with Prof. Mike Kinsella (Bristol, UK).**
- **ACLS** (Criticare 2010, Several district and outreach areas in Ap, Maharastra, Karnataka, Rajasthan)
- **Basic and Advanced Mechanical Ventilation** (2000 – ISCCM Hyderabad, 2003 - Pedicon, Hyderabad, 2006 at Railway Hospital, Perna annual WS at Hyderabad, 2008, 2010, 2014)
- **Advanced life support in Trauma in Obstetrics** (AOA Hyderabad 2011)
- **Simulator based Critical incidents in Anaesthesia and postoperative period (2009, 2011)**
- **Arterial Blood Gases for the Obstetricians** (Obsmed 2008, EMOCALS 2010, FOGSI 2011)
- **WS on Infection control** at National Conferences, International Paediatric conference 2012
- **Training the trainers workshop:** FOGSI, Thrissur, ACLS and ABG in emergency Obstetrics (2011, Kerala)
- **Labour Analgesia Workshops (Totally, conducted 33 workshops in LA):** Have **conducted** for the first time, Live / interactive **Labour Analgesia workshop** in the country Year 2000 (Fernandez Hosp, Hyderabad) and subsequently in 2006 (Akola), 2007 (ISA Jodhpur), 2008 (1st conference of AOA at Chennai), 2009 (ISSP, Hyd), 2010 (AOA Shillong), 2011 (AOA, Hyderabad), 2012 (AORA, Coimbatore), AOA-IASP Ahmedabad (2012).

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- **Neuraxial analgesia and Neuro sonoanatomy: Introduced for the first time, Neurosonotomy US based live WS in Obstetrics in 2008, and later** For the first time 2009 and later in 2010, 2011, 2012, 2013
- **Demonstration of Human glass spine model and the spread of LA in SA space, (again first time introduced by us in the subcontinent):** 2013, AORA annual conference at Pune, Udaipur West Zonal conference and at AOA annual Conference at Mangalore, all in 2013.
- **Conducted FCCS (Fundamental Critical Care Support) course in Aug 2013**
- Have helped and organized several workshops / CMEs at out reach places (Urban, semi urban and rural) on: **SAFE OBSTETRIC ANAESTHETIC & ICU PRACTICE**: Obstetric analgesia, Mechanical ventilation, Obstetric Critical Care in Mumbai, Shillong, Delhi, Pune, Nashik, Nanded, Miraj, Sangli, Kolhapur, Chennai, Thrissur, Tumkur (Karnataka) etc.
- Planned, executed and actively Participated in several live international and national surgical workshops (Endoscopy, Liver resection, Laparoscopic GE and Gyn Surgeries, ENT etc)

RESEARCH WORK

- Labour analgesia using low dose mixture: comparative study using mobile CEI pump v/s PCEA pump, EC Ref # 07_2007 – **completed.**
- Ultrasound guided transversus abdominis plane block for post cesarean section analgesia: a prospective placebo controlled randomized double blind trial, EC Ref # 20_2010, **completed.**
- Maternal satisfaction and the gap between delivery expectation and delivery experience: a comparison of pregnant women with and without labour epidural analgesia., EC Ref # 27_2010 , **completed.**
- Cesarean or vaginal delivery for obese pregnant women at fernandez hospital: evidence on anesthetic, delivery, post natal and neonatal complications to inform clinical decision making, EC Ref # 12_2012, **completed.**
- **CSF Technique (Continuous Saline Flush Technique):** A novel technique to minimize blood taps while performing epidurals in obstetrics (A randomized study, on going, clinical RCT #...), completed.
- **Levobupivacaine vs Ropivacaine for LEA:** RCT on maternal outcome; On going
- **Fall in arterial pH and base deficit, early markers of pre-eclampsia?;** on going
- **Dash board audit in Obstetric Anaesthetic practice:** A critical analysis and create a Mash Board; On going
- **AKI in pregnancy:** Maternal interventions and outcome, a prospective observational and descriptive study; on going

AWARDS

- Awarded Best General Proficiency Prize in Class X, school
- National merit scholarship in Class XII
- University Topper in MD Anaesthesia, Awarded Gold medal
- Best outgoing student in Post Doctorate batch (SCTIMST, Trivandrum)
- Awarded 1st ISA Mumbai Oration in 2009
- KOPS award – Best paper in Obstetric Anaesthesia (Atypical presentation of Obstetric epidurals: Audit of 35,000 obstetric epidurals), ISACON 2010 at SGPGIMS, Lucknow
- 2nd Best Poster award (Introduced the concept of DASH BOARD AUDIT IN OBSTETRIC ANAESTHESIA) at SOAP annual conference, Puerto Rico, April, 2013

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- Best poster award at National conference of Obstetric anaesthesia: Obstetric anaesthesia Dash Board, Quality improvement tool
- 2nd Best paper award at 4th Obstetric medicine meet organized by Society of Obstetric medicine india: Co-ICU admissions and maternal and neonatal outcomes in a dedicated Obstetric critical care unit.

MEMBERSHIPS AND POSITIONS

- Hon. Secretary, Association Of Obstetric Anaesthesiologists, India (www.aoaindia.com)
- Hon. Secretary, Society of Obstetric Medicine, India
- Member of ISOM – International society of Obstetric medicine
- Executive member – Academy of Regional Anaesthesia, India (www.aoraindia.com)
- **Organizing Secretary: 1st World Congress of Obstetric Anaesthesia** and 8th Annual conference of Association of Obstetric Anaesthesia, to be held at Hyderabad, **India in Sept 11th – 13th 2015**
- **Organizing Secretary:** 4th Annual conference of Association of Obstetric Anaesthesiologists and 1st Joint AOA-OASAO (**Obstetric Anaesthesia Society Asia Oceania**) conference, Hyderabad, September 2011
- **Treasurer**, ISCCM (Indian Society of Critical Care Medicine) conference, Criticare 2010
- **Organizing Secretary:** Obstetric Medicine Conference, Annual CME of Fernandez Hospitals 2008 & 2010
- Life Member, ISA (Indian Society of Anaesthesiologists), India
- Life Member ISCCM (Indian Society of Critical Care Medicine),
- Life Member Society of Emergency Medicine, India
- Member OAA- UK, SOAP- USA, ESICM, ASRA – USA, International Society of Obs Medicine (ISOM)
- **Past Editor (2005-2009)**, ISA (Indian Society of Anaesthesiologists) News letter Hyd. City Branch.

PATENTS:

- Obstetric Anaesthesia Dash Board
- Nursing Dash Board for POW & ICU
- Continuous Saline Flush Technique For Minimizing Epidural Blood Taps
- Epidural Drape, Calibrated Lithotomy Drape for blood loss assessment
- Economy intubation Ramp
- Economy Patient comfort & back support Incline For Perineal Surgeries In Lithotomy Position
- **NABES – OT concept** for Joint replacement and transplant operation theaters, Economising and advanced Operation theater designing and execution (Breaking the myth on industry driven popular Modular OT concept)

PASSION

- Obstetric Critical Care and Anaesthesia for High risk Obstetrics – Haemorrhage, Resuscitation, Heart Disease, Anticoagulants and CNBs, Anaesthesia for High risk Surgeries
- Dash board & Mash Board concept in Obstetric Anaesthesia, CRMs & Near Misses, Clinical audits in Anaesthesia and Critical Care.
- Teaching and Training fellows and postgraduates.
- Designing & Infrastructure planning: Operating Suites and Critical Care units
- Listening & playing Music – Playing keyboard, mouth organ, Travel – long treks, drives and Photography.

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Prerna Anaesthesia and Critical Care Services (Estb. Feb 1997, www.prernaanaesthesia.com) is a team of dedicated Anaesthesia and Critical Care specialists that provides total anaesthetic and perioperative care / Surgical intensive care services at the following hospitals in Hyderabad, India:

FERNANDEZ HOSPITAL

Fernandez Hospital is a 210 bed exclusive High risk perinatal centre with dedicated 6 bed Obstetric Critical Care Unit, 6 bed PACU, 6 bed HDU and 4 bed Step down unit, Fetal Medicine unit, Maternal medicine unit and Neonatal intensive care unit. The Hospital has an annual delivery rate of approx 7500+.

- Hospital is a DNB recognized centre for Obgyn, Neonatology and Post doctoral fellowship in high risk pregnancy, university recognized Obstetric medicine fellowship and PhD.
- The anaesthesia team Runs one year Fellowship course in Obstetric Anaesthesia (Started this course for the first time in India in 2007)
- Runs a DNB teaching and Training programme (in Obstetric Anaesthesia /High Risk Obstetrics / Obstetric medicine) for students from other DNB training institutes
- Have been coordinator and Guide for DNB & Fellowship students
- Runs 2 weeks Observer ship course in Obstetric Analgesia (To date more than 150 anaesthetists, obstetricians and physicians have enrolled for this course from across the nation and overseas)
- Runs a comprehensive on-demand epidural services for women in Labour and Acute Pain Clinic and services
- The department has performed highest number of Obstetric Epidurals in the Sub-continent.
- Annual Delivery Rate is @ 7500+. Acceptance of epidural for labour pain is ~70%. CS rate is @ 25%, 98% of all elective and 95% of all emergency LSCS done under regional anaesthesia.
- Runs 24 x 7 dedicated Obstetric Critical Care Unit

ASIAN INSTITUTE OF GASTROENTEROLOGY

- State of the art gastroenterology center
- On an average 350 surgical gastro-enterology procedures per month including high risk GE procedures, liver and Pancreatic resections, Hepatic transplantation both live and cadaveric, advanced laparoscopic and bariatric procedures.
- It's a DNB recognized super specialty training institute for medical and Surgical GE

CARE HOSPITAL, MUSHEERABAD, HYDERABAD

- This is 100 bedded multi specialty hospital (including CT surgery)
- On an average 20 adult cardiac surgeries are performed per month
- Our anaesthesia and Critical care team provides comprehensive care in Cardiac, Neuro and Non-cardiac OT, SICU, CT-Post op, MICU and CCU

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ASIAN INSTITUTE OF NEPHROLOGY AND UROLOGY

- 100 bed hospital with 12 bed SICU and 12 Bed Acute Kidney care unit
- Level IV ICU care
- 200 surgical procedures per month including renal transplant.

CENTURY HOSPITAL, HYDERABAD

- 225 Bed, 75 ICU beds and 18 Triage Beds, 6 Day care Beds true multispecialty hospital, starting in Jan 2015
- Have been involved in designing OT (Introduced a new concept for economic OT designing and execution – The NABES Concept), ICUs and other critical areas in the hospital
- Economising and Planning and executing appropriate infrastructure for the hospital
- NABH – Chief Coordinator
- Blood bank, state of the art with Components, NAT and Irradiation facilities – Chief Coordinator
- Medical Director