

CURRICULUM VITAE

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DIRECTOR

MEDISCAN SYSTEMS

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PROFILE

A pioneer in the field of diagnostic Ultrasound established foetal medicine as a speciality in India with extensive knowledge and skills in all aspects of this speciality. Established Mediscan Systems and built the laboratory infrastructure needed for support and diagnosis in foetal medicine. From the beginning continues to provide a huge volume of free service to those who cannot afford care stemming from a strong sense of social responsibility. Has been in the forefront of private public partnership interacting with the government of Tamil Nadu in organising and implementing screening programs both antenatal and neonatal screening besides training programs for doctors. Established Foetal Care research foundation, an NGO, to provide preventive supportive and curative care for birth defects. Established the Birth defect registry of India with the single minded focus of reducing Perinatal mortality and morbidity. A dedicated teacher has trained many doctors from India and abroad in this field. Established a state of the art imaging software and involved in a web portal to ensure standards in ultrasound reporting and education. An active Rotarian, avid photographer and amateur radio operator.

EDUCATIONAL QUALIFICATIONS

- 1976** - M.B.B.S, *Chengalpattu Medical College*
- 1976 – 1982** - General and Surgical practice
- 1978 – 1982** - Honorary Assistant in Surgery
Voluntary Health Services Hospital, Adyar, Chennai.
- 1982** - Trained in Ultrasound,
Dr.Hemant L.Shah at Sir H.N.Hospital, Mumbai

- 1984** - Advanced training in Abdomen / Pelvis and Doppler ultrasound
Thomas Jefferson University, USA. Philadelphia and John's Hopkins University, Baltimore, U.S.A.,
- 1994** - Certified as Registered Diagnostic Medical Sonographer (RDMS)
American Registry of Diagnostic Medical Sonographers
- 2010** - Fellow of the Royal College of Obstetrics and Gynaecology UK
(Honoris Causa)
- 2010** - Observership under Prof. Yves Ville for Fetal surgery in
Fetal Medicine Unit, Assistance Hospitiaux, Publique De Paris.
- 2015** - Doctor of Science (Honoris Causa) – The Tamil Nadu Dr.MGR
Medical University, Chennai.

CURRENT POSITION

- Director, MediScan Systems, Chennai, India
- Director, Medialogic Solutions India Pvt. Ltd. Chennai
- Director, Surendra Genetic Laboratory Pvt. Ltd. Chennai
- Clinical Director, Perkin Elmer Health Sciences Pvt Ltd
- Adjunct Professor The Tamil Nadu Dr MGR Medical University
- Member Sub Committee Health Tamil Nadu State Planning Commission
- Project Director – Mediscan – State health society – Training the medical officers in basic obstetric ultrasound, NRHM, Chennai
- Honorary Secretary – Voluntary Health Services, Adyar, Chennai.
- President, IFUMB from Oct 2014 – 2015.
- 33 Years Experience in Ultrasonography.

PROFESSIONAL SEATS

- Founder Chairman, Birth Defects Registry of India
- Clinical Director, Perkin Elmer Health Sciences Pvt. Ltd., Chennai
- Member Sub Committee Health Tamil Nadu State Planning commission

- Project Director at Mediscan involved in implementing the NRHM project of training medical officers in basic obstetric ultrasound
- Associate Chairman – Maternal & Child Health for the year 2011-12. – Rotary district RI 3230.
- Member of WHO South East Asia Expert group on Birth defects
- Member ISUOG committee on Standards in first trimester ultrasound
- Chairman, Indian Federation of Ultrasound in Medicine and Biology, Madras Chapter
- External examiner – Ph.D., for Avinashilingam University, Coimbatore
- Principal Investigator, Project on NBS for Indian Council of Medical Research (ICMR)
- Co-Investigator, Department of Birth defects registry for Project on NTD
- National Coordinator, FOGSI Birth Defects Registry
- Adjunct Professor, The Tamil Nadu Dr MGR Medical University
- Member of Innovation centre, IIT Madras
- Member, International Advisory board for Elastography and Breast Imaging for Siemens Medical Systems
- Member, Institutional Review Board, E.V. Kalyani Medical Centre
- Committee Member, Indian Society for Prenatal Diagnostics and Therapy (ISPAT)
- Member, Board of Studies in Genetics, Madras University
- Former President, Acoustical Society of America, Madras Regional Chapter
- Former Member, Technical Sub-Committee, Central Supervisory Board, Government of India, Ministry of Health and Family Welfare, New Delhi.
- Managing trustee Foetal Care Research Foundation, Chennai
- Managing trustee Foetal Care Research Trust, Chennai
- Honorary Secretary – Voluntary Health Services, Adyar, Chennai.

MAJOR ACHIEVEMENTS

1. Set up MediScan Systems Diagnostic Ultrasound Training and Research Centre in Chennai on 15th August 1982.
2. Set up the first Prenatal Diagnosis and Foetal Therapy Centre in Tamil Nadu, now a referral Centre for India and neighbouring Countries including Sri Lanka, Singapore, Malaysia and Middle East.

3. Set up the First Ultrasound and Training Centre in India with structured training programmes. Over 3400 doctors have been trained in the centre.
4. Set up the Surendra Genetic Laboratory to provide laboratory support for prenatal diagnosis in 1991
5. Founded the Foetal Care Research Foundation, a not for profit charity trust, in 1993.
6. Pioneered the development of Downs Screening programs in India and established population MoMs for both first and second trimester screening
7. Medialogic Solutions established in 1998 to develop software for structured and uniform reporting, now with over 500 installations.
8. Set up the Births Defects Registry of India in 2001, now functioning in 450 hospitals across India
9. Along with Fernandez Hospital, Hyderabad provides training for the only Post doctoral training program for High Risk Pregnancy and Perinatology by the National Board of Examinations since 2001
10. Founded Mucopolysaccharidosis Society of India in 2003 - A support group for children with MPS
11. Set up a Foetal Medicine Fellowship Study Programme for candidates from India and abroad in the year 2004
12. Introduced Newborn screening for the first time in Chennai 2005, currently principal investigator ICMR newborn metabolic screening task force
13. In partnership with Bharathidasan University, (BDC) Trichy conducted PGMUT courses & Cytogenetics (PGDC) and a 2 year post graduate Diploma in Ultrasound Technology for science graduates since 2006 – 2008
14. In partnership with Annamalai university started a M.Sc., Programme in 2009
15. In association with the Grameen Healthcare Project has trained a doctors and Paramedics from Bangladesh in 2009
16. Recognized as the first fetal medicine training centre in Asia by Fetal Medicine Foundation UK
17. Has been conferred the Fellowship Honoris Causa by the Royal College of Obstetrics and Gynaecology for the highest level of dedication and achievement in clinical care and support to the development of women's health care services – April 2010
18. Established the first Fetoscopy and laser unit in India March 2011

19. Project Director of Mediscan involved in the NRHM project of training medical officers in basic obstetric ultrasound in 126 PHCs in 15 districts
20. Mediscan recognised for the foetal medicine fellowship program offered by Tamil Nadu Dr MGR Medical University.

AWARDS & ORATIONS

1. Invited to Speak and Chair in the World Congress of Ultrasound in Copenhagen in 1994
2. Awarded the Honorary Membership of the Indian Radiological & Imaging Association (IRIA) in 1995
3. Delivered many orations in various National Conferences including the KM RAI ORATION in the IRIA Meeting in Bangalore in 1996 and the Diamond Jubilee Oration of the Ahmedabad Obstetrics & Gynaecology Society, Ahmedabad, 1997
4. Awarded “Man of the Year” in 1998 by the American Biographical Institute, USA
5. Awarded “Vocational Excellence Award” by the Inner Wheel Club of Madras Metro 2002
6. Awarded the “Vocational Excellence Award” by the Rotary Club of Madras Metro on November 7th, 2003
7. Awarded the Tamil Nadu Scientist Award (TANSA-2004) by the Tamil Nadu State Council for Science and Technology
8. Awarded “Lifetime Achievement Award” by Chengalpattu Medical College Alumni Association 2008 Annual Oration “Surat OBGYN SOCIETY” Surat.
9. Dr.Jayanarasimhulu Memorial Oration – Instituted in recognition of knowledge, teaching and service, Ultrasound 2009, Hyderabad.
10. Dr.Pradeep Khopkar Oration - “Fetal Medicine - What have we achieved?” Navi Mumbai OBGYN Society, December 2009, Mumbai.
11. Late Dr.V.N.Shirodkar Oration, Solapur OBGYN society, 2008-2009, Solapur.
12. Invited speaker FIGO 2009 Cape Town, South Africa
13. Dr.Kamala Acari Oration on "Colour Doppler in Obstetrics", 26th All India ISOPARB - AFG Congress 2010

14. 11th Sivasubramaniyam Oration – 2009, "Fetal Well being & Anomalies", Indian Academy of Pediatrics, Coimbatore.
15. Dr.Kamala Achari Oration , "Colour Doppler in Obstetrics", February 2010, ISOPARB, Mumbai
16. “Dhronocharier of Ultrasound”, Devaki scans at Madurai, May 2010.
17. “Best Doctor Award” conferred by The Tamil Nadu Dr.M.G.R. Medical University, Chennai. 2011
18. World Downs Syndrome day award - Scientific award for outstanding contribution, conferred by Downs syndrome international, March 2011
19. Passing the baton – teaching the next generation skills, values and judgement – “PROGRESS 2011”, Chennai. 31st July 2011
20. The Champion of Humanity Award - The Chamber Day Celebrations of the Hindustan Chamber of Commerce at Chennai, January 2012
21. Lifetime achievement award conferred by The Tamil Nadu Dr.M.G.R Medical University, Chennai February 2012
22. S.K.Sharma Oration – USCON XXX, Aurangabad
23. Conferred **Lifetime Achievement Award** by the FICCI along with Govt of Tamil Nadu and Times of India on 23rd Dec 2014 for his contribution in Health Care sector.
24. Conferred Lifetime Achievement Award by the Indian Medical Association, Puducherry on 18th October 2015 at Puducherry.

CONFERENCES ORGANISED

1. Organising Secretary for **CUSP** - Clinical Ultrasonography in Practice - 1989, 90, 92, 94, 96, 98, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014 and 2016 in Chennai. CUSP has come to stay as a meeting of exceptional quality attended by over 2000 delegates.
2. Chairperson - 9th National Conference of **ISPAT**, Nov 2007.
3. Organised National Conference - **USCON XXII** with the theme “Beyond Ultrasound – Providing Solutions” in October 2013 under IFUMB - Madras Chapter at Puducherry.

LECTURES

A much sought-after and respected speaker, has delivered over 550 lectures in the length and breadth of India and abroad.

WORKSHOPS

Conducted several workshops in diagnostic and interventional ultrasound and especially in obstetric ultrasound and fetal medicine.

PUBLICATIONS

1. Presented and Published papers and articles / poster presentations in National and International Journals.
2. Authored several chapters in Text Books and Hand books.
3. Published several multimedia teaching CDs in Ultrasound

CHARITABLE SERVICES

1. Provided complimentary ultrasound service to Army Personnel at Chennai Military Hospital during the IPKF operations
2. Free Ultrasound machine donated to Voluntary Health Services, (VHS), Adyar and ultrasound scans being done free of cost since 1995
3. Free ultrasound scans being provided for the underprivileged patients from all Government and Corporation Hospitals in Chennai for the last 26 years
4. Provides support for over 270 families with children with Mucopolysaccharidosis and Lysosomal storage disorders and free prenatal diagnosis and therapy for many patients via Foetal care research foundation.

HOBBIES

1. Photography.
2. Current President of the Pelican Nature Photo Club.
3. Amateur Radio operator
4. Past President of Madras Amateur Radio Society