

SURESH S. DAVID



Education

- Jan 1982** **MBBS** - Christian Medical College, Vellore - 632 004
- April 1988** **MS (Gen Surgery)**- Madras Medical College, Madras
- Jan 1998** **MPhil (Health and Hospital Systems Management)** -Birla Institute of Technology and Science, Pilani, Rajasthan
- March 2006** **FACEM**-Fellow of the Australasian College of Emergency Medicine. Sydney, Australia.
- June 2013** **PhD** - Madras University, Chennai – India
- August 2013** **FRCP** - Fellow of the Royal College of Physicians, London – U.K.

Professional Career

- Oct 2013 – Oct 2018 **Medical Director** - Pushpagiri Medical College Hospital
Professor of Emergency Medicine - Pushpagiri Medical College Hospital
Tiruvalla – 689101, Kerala
India
- Feb 2013 – Sept 2013 **Professor, Senior Consultant and Head of Department**
Emergency Medicine, Christian Medical College and Hospital
Vellore - 632 004 India
- Feb 2012 – Jan 2013 **(On Sabbatical Leave) Consultant, Emergency Medicine**
St. Peter's Hospital – Chertsey KT160PZ
United Kingdom
- Feb 2001 – Jan 2012 **Professor, Senior Consultant and Head of Department,**
Emergency Medicine
Christian Medical College and Hospital
Vellore - 632 004 India

- Jan 2000 – Jan 2001 **Consultant Emergency Physician- Emergency Department – Alice Springs Hospital, Alice Springs – NT, Australia.** On Sabbatical leave from Christian Medical College, Vellore
- Jan 1997 – Dec 1999 **Professor and Senior Consultant**
Department of Emergency Medicine
Christian Medical College and Hospital, Vellore - 632 004 India
- Jan 1994 – Dec 1997 **Associate Professor and Consultant**
Department of Accident and Emergency Medicine
Christian Medical College and Hospital, Vellore - 632 004 India.
- Feb 1991- Jan 1994 **Advanced Training in Emergency Medicine**
The Queen Elizabeth Hospital Adelaide, Australia. Accredited by the Australasian College of Emergency Medicine.
- Jan 1989 – Jan 1991 **Assistant Professor – Department of General Surgery**
Christian Medical College and Hospital, Vellore - 632 004 India
- Jun 1988 – Dec 1988 **General Surgeon – Somervell Memorial Mission Hospital**
Karakkonam, Kerala - India. Rural secondary level Mission Hospital. Provided senior cover and care for all general surgical as well as emergency obstetric and gynaecological patients.
- Jun 1985 – Jun 1988 **Registrar – General Surgery – Madras Medical College, Government General Hospital - Chennai**
Three years full-time residential postgraduate advanced training in General Surgery.
- Jun 1983- Jun 1985 **General Duty Medical Officer – CSI Mission Hospital, Dharapuram, Tamilnadu.**
Worked in the departments of Surgery, Medicine, Paediatrics and Obstetrics as a junior doctor, under the supervision of consultants in this 110-bed secondary hospital in a rural area.
- Jun 1982-Jun 1983 **Internship – Christian Medical College Hospital, Vellore.**
1500-bedded Hospital – my Alma Mater and the top private medical university in India. Rotation included Surgery, Medicine, Paediatrics, Community Health, Obstetrics and Gynaecology.
- Jun 1976 – Jun 1982 **Medical Student – MBBS - Christian Medical College, Vellore.**

Highlights in Academic Career

- **Editor-in-chief** – *Clinical pathways in Emergency Medicine*. Consists of 115 Chapters, 2000 pages, in 2 volumes – Springer Link International Publications – ISBN 978-81-322-2708-3
- **Editor-in-chief** – *Textbook of Emergency Medicine*. About 264 Chapters, 2432 pages, in 2 volumes – Lippincott Williams and Wilkins; India Original edition (1 Nov 2011). ISBN-10: 8184732023
- **Author** - *Handbook of Emergency care*. 8th edition -2012. Published by Elsevier International. # ISBN-13: 978-81-312-3047-3. First Emergency Medicine handbook in India. Has sold about 17,000 copies in South-East Asia.
- **WHO Consultant** for Emergency Medicine - South-East Asia region.
- **Course Developer** – Hospital preparedness for Emergencies (HOPE) – Disaster Management Course, under the auspices of / NSET/ USAID - Ministry of Health-Nepal.
- **Course Developer and Instructor** – Disaster Management for MPhil Curriculum – Birla Institute of Technology and Science – Pilani, Rajasthan.
- Consultant Emergency Physician, Royal Government of Bhutan
- Curriculum Consultant, – BP Koirala University, Dharan, Nepal.
- Editor, International Trauma Anaesthesia and Critical Care Society (Indian Chapter)- 1996-2000
- Examiner – Fellowship in Emergency Medicine – St. John’s Medical College, Bangalore
- Faculty – National Institute of Disaster Medicine, New Delhi
- Faculty and Member of Governing Council – Indian Society of Health Administrators
- Member of the Editorial Board, Global Update in Emergency Medicine
- Member of the Editorial Board, Indian Journal of Clinical Research
- Executive Member- National Disaster Management Authority, Ministry of Home Affairs, – Govt. of India
- Research Consultant and Assessor of Research Projects – Government of Kerala.
- External Examiner – National University of Malaysia – Kuala Lumpur.

Academic Leadership roles

- Academic Chairman, Wayanad Emergency Consortium on advances in resuscitation, [WECARE 2018] - May 25 – 27, 2018
- Organising Chairman – Pushpagiri Annual Conference for Emergency Nurses – PACEN – April 29, 2018
- Organising Chairman – Pushpagiri Emergency Medicine Annual Conference –PEMAC April 28 – 29, 2018
- Chairman, Academic Committee - SEMICON 2017 – National Conference of Society of Emergency Medicine- India, Kochi, March 16-19, 2017.
- International Curriculum Director for Emergency Medicine, Oceania University of Medicine, USA February 18th, 2017.
- Chairman, Scientific Committee- International Conference of Emergency Medicine, Chennai, September 2007.

- Organising Secretary – National Conference of Emergency medicine – EMCON 2005 – Vellore, India.
- Chairman, Scientific & Research Committee, International Conference of Emergency Medicine - Hyderabad, September 25-27 2002.
- Chief instructor, Early Management of Trauma Workshop, National Conference of Emergency Medicine. Coimbatore May 25-27 2001
- Co-ordinator and instructor- Second Regional Workshop on Early Management of Trauma, Christian Medical College-Vellore, November 13-14 1998
- Organising Secretary and instructor - First Regional Workshop on Early Management of Trauma Christian Medical College-Vellore, Dec- 20 1997

Contributions in the field of Emergency Medicine in India

- 1994
- Returned to India after residency training in Emergency Medicine from Australia. First formally trained Emergency Physician of India.
 - Re-engineered the emergency department- CMC Vellore – Transformed a 28-bedded “casualty” to a full-fledged department of Accident and Emergency Medicine. Presently, a 40-bedded autonomous academic clinical unit - the largest Emergency Department in India, in the private sector.
- 1995
- Author- First Handbook of Emergency Medicine in India. Instituted the concept of standardised Emergency Care in Vellore.
- 1996
- Triage – organised the first nurse-led triage system in India.
 - Trauma Team – Introduced the concept and instituted the first Trauma Team in India at the CMC Vellore. The Emergency Physician is to be the Trauma Team Consultant with all responsibilities and authority for the initial management and disposition of polytrauma.
 - Founder-member of International Trauma Anaesthesia and Critical Care (ITACCS) Indian Chapter. Invited to represent India at the International Conference of ITACCS in the USA and delivered the guest lecture on *Trauma Systems in India*.
- 1997
- Founder and Coordinator – EMTC – Early management of Trauma Course. First Trauma Course in India. Based on the principles of EMST of Australia – fully indigenised for Indian resources and requirement.
 - Started the First Formal training program in Emergency Medicine in India. 1-year Fellowship in Emergency Medicine, at CMC Vellore.
- 1998
- Founder-Member, Society of Emergency Medicine, India. National Faculty for the First Indian Conference of Emergency Medicine.
- 1999
- Member of the National Task Force for Disaster Management Planning, Government of India.
- 2000
- On Sabbatical leave in Alice Springs Australia. Responsible for all legal reports from the

Emergency Department. Represented the NT Government 5 times in one year at the Court of Law.

- 2001 ■ Nominated as Chairman – Academic Council, Society of Emergency Medicine, India. Responsible for the organisation and coordination of Faculty for the National Conference for 3 consecutive years.
- 2002 ■ Development of Rural Emergency Medicine in Secondary Care Hospitals. Established the concept and instituted training programs for doctors and nurses in rural North-East India – Guwahati and Shillong.
 - Chief Resource person – National Conference of Medico-legal aspects in Emergency Medicine – Compiled the Recommendation document to the Government of India.
- 2003 ■ Obtained WHO recognition as National Training Centre for Emergency Nursing. Trainees for all over the country being sponsored by the WHO through the Government of India for 8 weeks training.
 - Injury Prevention and First Aid Awareness Camps – Once a month activity in Schools and for high –risk groups in Vellore District.
- 2004 ■ Led the first On-site Emergency Medical Response from CMC Vellore – Tsunami Disaster, South India. Coordinated the subsequent intermediate response teams.
- 2005 ■ Organising Secretary – National Conference of Emergency Medicine – EMCON 2005. Unprecedented turn-out of 640 delegates, 29 International Faculty and 30 National Faculty. www.emcon2005.org
 - Obtained WHO recognition as South Asian Regional Training Centre for Emergency Medicine. Chief Training Instructor for the first batch of candidates from the Maldives.
- 2006 ■ Founder and associate Webmaster – Network of Emergency Physicians India – <http://nepi.emergencymedicine.in/news.php>
 - Faculty member – National Institute of Disaster Medicine, New Delhi
- 2007 ■ Course Developer for NSET/USAID initiative – Hospital Preparedness for Emergencies (HOPE)
- 2008 ■ External Examiner for Emergency Medicine – University of Malaysia, Kuala Lumpur.
- 2009 ■ Invited by Wolters Kluwer Health (Lippincott) to compile the first Asian Textbook of Emergency Medicine. Due for publication 2011.
- 2010 ■ Invited by Govt. of Andhra Pradesh to coordinate the upgrading of Emergency Medical Services in District Hospitals and Medical College Hospitals of the State. (Budget - INR. 11,00,0000).
- 2011 ■ Task Force Member –Ministry of Health and Family Welfare. Involved in the 12thNational 5-year plan for the introduction of Emergency Medical systems in India (Budget - INR 800 Crore).
- 2014 ■ Member – Specialty Advisory Committee – National Board of Examinations
- 2015 ■ Awarded the “Leadership in Emergency Medicine” by Dr. A.P.J. Abdul Kalam, former

President of India on 13th February, 2015.

- 2016 ■ Founder-Instructor - National Emergency Life Support Course - Ministry of Health and Family Welfare, New Delhi.
- 2017 ■ Principal Assessor - National Accreditation Board for Hospitals (NABH)
 - Senior Advisor – Tamilnadu Government – for Emergency Trauma Care and Road Safety Initiative (Budget - 200 Crore)
- 2018 ■ Faculty Selection Board Member – Jawahar Lal Institute of Postgraduate Medical Education and Research (JIPMER) – Pondicherry
 - International Faculty for Emergency Medicine – Oceania University of Medicine, Western Samoa.

Professional Memberships

- Fellow of the Royal College of Physicians – London, United Kingdom.
- Fellow of the Australasian College of Emergency Medicine
- Member – International Federation of Emergency Medicine
- Member of the American College of Emergency Physicians
- Member – International Emergency Medicine Special Interest Group – Australasian College of Emergency Medicine.
- Founder Member- Society of Emergency Medicine for India
- Founder member -International Trauma Anaesthesia and Critical Care Society (Indian Chapter)
- Member of the Governing Council – Indian Society of Hospital Administrators
- Visiting Professor and Course Coordinator – Disaster Management - Birla Institute of Technology and Science – Pilani, Rajasthan.

Publications

1. David SA, David SS. A Frog in the Well's Score – Shortcomings of the Well's Score for Diagnosis of Acute Pulmonary Embolism. *Ind.J Clin Pract.* 2018; 29 (3) 226-29.
2. Adhikari DD, Florence B, David SS. Pre-hospital trauma care in South India: A glance through the last 15 years. *J Family Med Prim Care* 2016; 5:195-6
3. Senthilkumaran S, David SS, Manikam R, Thirumalaikolundusubramanian P. Permissive hypotension in a head-injured multi-trauma patient: Controversies and contradictions. *Journal of Anaesthesiology, Clinical Pharmacology.* 2015; 31(3):428-429.
4. Senthilkumaran S, David SS, Jena NN, Thirumalaikolundusubramanian P. Cricothyroidotomy and ventilation: physics and physiology. *J Emerg Med.* 2014 Nov;47(5):e131.
5. Senthilkumaran S, David SS, Manikam R, Thirumalaikolundusubramanian P. Continuous versus intermittent methylene blue administration: which spin will win? *Ind J Crit Care Med.* 2014;18(6):407-408.
6. Senthilkumaran S, David SS, Menezes RG, Thirumalaikolundusubramanian P. Henna leaf ingestion and intravascular hemolysis: the missing link. *Saudi J Kidney Dis Transpl.* 2014 May;25(3):667-8.
7. S SenthilKumaran, SS David, RG Menezes, P Thirumalaikolundusubramanian. Concern, counseling and consent for bariatric surgery. *Ind. Jl. Neph.* (4); 24, 2014, 263-264
8. *Indian Journal of Nephrology*, Year 2014, Volume 24, Issue 4 [p.] Senthilkumaran S, David SS, Jena NN, Menezes RG, Thirumalaikolundusubramanian P. Acute myocardial infarction and cocaine toxicity: One step closer. *Indian J Crit Care Med.* 2014 Feb;18(2):118.
9. Senthilkumaran S, David SS, Jena NN, Thirumalaikolundusubramanian P. Limitations and consumer aspects of point-of-care in snake envenomation. *Emerg Med Australas.* 2013 Nov 18.
10. Senthilkumaran S, David SS, Menezes RG, Thirumalaikolundusubramanian P. Acute myocardial infarction triggered by bee sting: An alternative view. *Emerg Med Australas.* 2013 Dec;25(6):615
11. Senthilkumaran S, David SS, Menezes RG, Thirumalaikolundusubramanian P. Need for parenteral pyridoxine: A clarion call. *Indian J Nephrol.* 2013 Jul;23(4):324-5.
12. Senthilkumaran S, David SS, Manikam R, Thirumalaikolundusubramanian P. Atropine resistant bradycardia and hyperkalemia: our experiences. *Am J Emerg Med.* 2013 Sep;31(9):1415.
13. Senthilkumaran S, David SS, Jena NN, Thirumalaikolundusubramanian P. *Am J Emerg Med.* 2013 Sep;31(9):1410. Epinephrine-induced myocardial infarction in severe anaphylaxis: is β -blocker a bad actor or bystander?
14. Senthilkumaran S, David SS, Menezes RG, Thirumalaikolundusubramanian P. Role of fresh-frozen plasma in angioedema: progress and problems. *Eur J Emerg Med.* 2013 Aug;20(4):292-3.
15. Senthilkumaran S, David SS, Balamurugan N, Thirumalaikolundusubramanian P. Energy drinks overdose and metabolic abnormalities--a double whammy! *Am J Emerg Med.* 2013 Jun;31(6):984.
16. Senthilkumaran S, David SS, Menezes RG, Thirumalaikolundusubramanian P. C-reactive protein value in organophosphate-poisoned patients - Promises and pitfalls. *Clin Toxicol (Phila).* 2013 Feb;51(2):121.

17. Senthilkumaran S., Suresh S. David, Ritesh G. Menezes, Ponniah Thirumalaikolundusubramanian. C-reactive protein value in organophosphate poisoned patients – Promises and pitfalls. *Clinical Toxicology* (2013), 51, 121.
18. David S, Matathia S, Christopher S. Mortality predictors of snake bite envenomation in southern India--a ten-year retrospective audit of 533 patients. *J Med Toxicol.* 2012 Jun; 8(2):118-23.
19. David SS, Dave R, Christopher, S. Epidemiological Profile and outcome of Hyponatraemia – sent for publication to *Emergency Medicine Australasia*.
20. David SS, Vamsidhar V. Dose variation and its outcome in Dilantin therapy for generalised seizures. Sent to *Epilepsia* for publication.
21. Kishore Pichamuthu, Suresh S David, Peter JV et al. Bioscavenger therapy for organophosphate poisoning – an open-labeled pilot randomized trial comparing fresh frozen plasma or albumin with saline in acute organophosphate poisoning in humans. *Clin Toxicol (Phila).* 2010 Oct;48(8):813-9. Epub 2010 Oct 6.
22. Kumar IJP, David SS- Morphometric analysis of the cricothyroid membrane in south Indian adults – with relevance to surgical cricothyroidotomy – *Emergency Medicine Australasia* (2010) 22, 13–20
23. David SS Divitha S. The reliability, effectiveness, and epidemiological profile of the Vellore Model of Triage System. *Acad Emerg Med* 2007 14: 109-110
24. David SS. Caveats in Paediatric Trauma – *Ind J Trauma Anaesth Crit care.* 2007 (8) – 594-9.
25. David SS, Vasnaik M, Ramakrishnan TV. Emergency Medicine in India – why are we unable to ‘walk the talk’? *Emergency Medicine Australasia*(2007) 19, 289–295
26. David SS, Detergent-induced corneal burn—A case of concern, *Inj Extra* (2007), 0.1016/j.injury.2007.06.004
27. Das Adhikari D, David SS, Kumar G R. Scapulothoracic dissociation--A case report. *J Indian Med Assoc.* 2006 Jun;104(6):334-5.
28. David SS, ManiKumar K. Copper Sulphate Poisoning - A case series of 32 cases. *Tamilnadu Medical Journal of Postgraduate Medicine.* 2005 Jul-Sep;36(3):245-6.
29. David SS Jeyaseelan J Adhikari DD. Vellore Emergency Room Severity Evaluation Score (VERSE) -- A New Scoring System for the Emergency Department. *Asian Journal of Disaster and Emergency Medicine* 2004 14: 122- 27
30. David SS Khanduja V Methadone overdose-- Case series report. *Asian Arch Anaes Resus* 2001 (34) vol 3; 27-29.
31. David SS, Goel K. Knowledge, attitude, and practice of sugarcane crushers towards hand injury prevention strategies in India. - *Inj Prev* 2001; 7(4): 329-330.
32. David SS. Trauma Systems in India – The CMC Vellore experience – *Asian Arch Anaes Resus* 2000 (52) vol 1 21-23.
33. Suresh S. David - Mantle of Safety -- *J Postgrad Med* - 2000 Jul-Sep;46(3):245-6.
34. David SS Khanduja V Tuberculosis of the Penis and scrotum- A Case report., *Jl IUATLD (International Union Against Tuberculosis and Lung Disease, Paris)* - 1998 (8) – 594-9.

35. David SS Strategies for the development of Emergency Medical Services in India. J Indian Med Assoc. 1997 Jan;95(1):17, 26.
36. David SS Selvaranjini S Thomas M. Incorporation of Emergency Medicine in the MBBS curriculum. Natl Med J India. 1997 Mar-Apr;10(2):80-1.
37. David SS Samuel JJ Pedunculated extraluminal leiomyoma of the sigmoid colon. J Gastroenterol Hepatol. 1996 Mar;11(3):299-300.
38. David SS Surgical Complications of the Stoma. Christian Medical College Alumni Journal Sept 1992
39. David SS, Khanduri P. Primary Mesenteric Fibromatosis. A case of primary mesenteric fibromatosis. Aust N Z J Surg. 1992 Oct;62(10):813-4.
40. David SS, Ramakrishna B. Acral Lentiginous Melanoma in-situ. Eur J Surg. 1992 Apr; 158(4):247-8.
41. David SS Ear-ring Injuries. Med J Aust. 1991 Nov 4; 155(9):644.
42. David SS. Fishhook Injuries. Lancet. 1991 Dec 7; 338(8780):1463-4.

International Conference Presentations

1. Role of bedside diagnostics in patient throughput - Malaysian National Conference of Emergency Medicine – Kuala Lumpur, Malaysia – August 5-7, 2017.
2. Point of Care testing – Emergency physician’s perspective – Vietnam National Conference of Emergency Medicine – Hanoi, Vietnam – April 25-27, 2016.
3. Multi-centric Research Initiatives – options and opportunities – South-Eastern Emergency Medicine Conclave - New Orleans, USA; October 25-28, 2015.
4. Collaborative strategies for international study programs of the RCP – South Asian perspectives – Royal College of Physicians Annual Meeting – London – August 2-4, 2014.
5. Toxicological idiosyncrasies in South-East Asia – Guest Lecture, Antrim Hospital, Belfast, North Ireland – Jan 14, 2013
6. Paradigm shift for Emergency Care in India – District Hospitals Video-Conference, John Radcliffe Hospital, Oxford, United Kingdom, – Jun 21, 2012
7. Getting Emergency Medicine Recognised: Lessons to pass on to others - The 6th Mediterranean Emergency Medicine Congress, Kos - Greece. Sept 10-14, 2011
8. Biomarkers in Emergency Medical Practice – personal perspectives – International Conference of Emergency Medicine, Singapore June 11, 2010
9. Disaster Medicine Workshop for volunteers to Africa – Hollsbybrunn – Sweden – April 30th 2009
10. “Emergency Medicine for a billion people” – Guest Oration, Texas Tech Medical School, El Paso – Texas USA – Nov 26, 2008
11. “Emergency Medicine in India –Why am I unable to walk the talk?!” -International Conference of Emergency Medicine in Developing countries – Cape Town, South Africa – Oct 4-6, 2007
12. Unique Toxicology of India – Western Australian Emergency Physicians Forum, Charles Gairdner University Hospital, Perth, Australia – November 27, 2006

13. Challenges for Emergency Medicine in India – Annual Scientific Assembly – Australasian College of Emergency Medicine – Sydney, Australia – Nov. 19-21, 2006
14. Gender perspectives in Emergency Medicine – Glimpses from the Indian subcontinent. International Conference of Emergency Medicine – Halifax, Canada – June 3-7, 2006
15. Paradigm shift in Patient Care – Emergency Medicine and its relevance – District Hospitals Video-Conference, Sahlgrenska University Hospital, Gothenburg, Sweden – May 17, 2006
16. Triage – the concept and the Vellore Experience – Rhyhov Hospital, Jonkoping, Sweden – May 14, 2005
17. Early Management of Head injuries. Guest Speaker - Scandinavian Doctor's Bank- Sweden – May 5-9, 2004.
18. Occupational Injuries among high-risk labour population in South India. - National Conference of Emergency Medicine - Canberra, Australia. Oct. 2000
19. Hand injury prevention among workers of high-risk occupations. 4th World Conference on Injury Prevention and Control. Amsterdam - Netherlands, - 20 May 1998
20. Trauma Systems in India. International ITACCS Conference. Baltimore Maryland USA -- May 15-17 1997
21. Trauma Team- Implementation and the CMC Vellore experience - Asia Pacific Conference on Emergency & Disaster Medicine. Bali, Indonesia Oct 18 1996

National Conference Presentations

1. 'Mind of the Resuscitator – Fostering resilience when performing under pressure' – Traumathon Plenary lecture – Reliance Hospitals – Mumbai – August 18-19, 2018.
2. Transgender Medicine - Expanding the horizon of Emergency Medicine - EMCON 2017 – Madurai, Sept 28-30, 2017.
3. Legal, ethical and administrative Challenges in Emergency Care - All India Institute of Medical Sciences – New Delhi; May 18-20, 2017
4. Tertiary Survey in Trauma -- SEMICON 2017 – Kochi, March 17-19, 2017
5. Emergency Medicine for 1.2 billion Indians – Vision of APJ and our endeavours – APJ Abdul Kalam Oration - National Symposium on Emergency Medicine. Madurai, Tamilnadu – Feb 12-13th 2016.
6. Teamwork and Boundaries in Emergency Medicine – National Conference of academic Emergency Medicine - Coimbatore – Jan 17-19, 2016.
7. Current Clinical Guidelines in Emergency Medicine – National Conference of Emergency Medicine (EMCON 2016) Hyderabad – 22 Nov. 2015
8. Application of POC in critical care unit- National Conference of Critical Care Medicine – (ISCCM) Bangalore, March 4-8th 2015
9. Pearls and Pitfalls in Emergency Medicine –Global Annual Meet On Emergency Medicine And Trauma (GAMET 2014) – Chennai, 24 – 27, April 2014.
10. Medical Ethics in practice of Emergency Medicine – Indian perspectives. – International Summit of Emergency Medicine – Puducheri, January 18-21, 2014

11. Handling the patient with altered mental status. 14th National Conference of Emergency Medicine. New Delhi, Nov 5-7, 2012.
12. Biomarkers in cardio-renal disease. Alere Biomarker Conclave – New Delhi – Oct 5-7th, 2012.
13. The challenges for education and training of EM personnel in India. International Congress on Emergency Medical Service Systems - EMS 2012 - New Delhi, 9th - 11th February, 2012.
14. The role of paediatrics in the comprehensive curriculum of Emergency Medicine Training – Inaugural lecture – National Conference of Paediatric Emergency Medicine – Chennai, Jan 26-28, 2011.
15. Pitfalls in the early management of abdominal trauma – National Conference of Rural Surgeons – Kollam, Kerala – Nov 20th, 2010.
16. Challenges for Emergency Medicine in the Armed Forces of India – the way forward. Plenary Lecture – National Conference of Naval Medicine – Mumbai, Oct. 24th 2010.
17. Emerging Trends in Emergency Medicine – CME Guest Lecture – Organised by World Health Organisation, Leh-Ladakh, Jammu & Kashmir - July 26-28 2010.
18. Current concepts in shock management – Asia-Pacific Congress of Emergency Medicine – Faridabad, Dec 5-6, 2009.
19. Pitfalls of Trauma resuscitation - National Conference of Emergency Medicine, Guwahati, Assam- Nov 15-18, 2009.
20. Pearls in Toxicology – 20 years of experience – National Conference of Emergency Medicine, Chennai – Oct 13-17th 2007.
21. Endpoints in Resuscitation – International Conference of Emergency Medicine – New Delhi, November 17-19, 2006.
22. Disaster Medicine-Lessons learnt by the Tsunami – National Institute of Disaster Medicine, New Delhi – March 24, 2006.
23. Paediatric Trauma management – Pearls and pitfalls. Annual Oration – Mahatma Gandhi Medical College, Pondicherry; Feb. 17, 2006.
24. Early Management of Trauma – Guest lecture, Jawaharlal Institute of Postgraduate Medical Education and Research – September 14, 2005.
25. Caveats in Paediatric Trauma – ITACCS National Conference – Agra India – September 2006
26. Mass Gathering Medicine-The need for understanding and planning. Guest Lecture, Indian Society of Health Administrators, Bangalore – March 27, 2005.
27. Thoracic Trauma. Guest Lecture – Maharashtra State Conference of Anaesthesiologists – Solapur, Aug 15-17, 2004.
28. Management of Head injuries and Organisation of Triage – the Vellore experience. Keynote Speaker - Scandinavian Doctor's Bank- Sweden – May 5-9 2004.
29. Challenges for Emergency Medicine in India – GNRC Oration 2004 – GNRC Medical Centre, Guwahati - Assam, January 4, 2004.
30. National perspectives of Medico-legal issues in Emergency Medicine – Key-note speaker, National Conference on Legal Issues in Emergency Medicine – MEDLA 2003 – Chennai Nov. 29-30, 2003.

31. Medico-legal implications in Emergency Medicine – Guest Lecture – Trauma Criticare 2003 – National Conference, New Delhi – September 27-28, 2003.
32. Why do we need Emergency Medicine? Guest Lecture - South Kerala Association of Surgeons, Kollam - Feb. 9, 2003.
33. Surgeon's perspective towards Emergency |Medicine- CME for MS postgraduates. Madurai Medical College - Feb 8, 2003
34. Comprehensive evaluation of the Traumatized patient - Guest Lecture - Aswini Hospital, Thrissoor, Kerala, October 24, 2002.
35. Medico-legal issues in Trauma. Guest Lecture - Bishop Benziger Hospital, Kollam, Kerala October 12-14, 2002
36. Mass Disaster Management - American College of Surgeons - Annual Conference, Chennai Feb. 2-4 2002
37. Disaster Management- Civilian response and Strategy. Guest Speaker - National Conference of Trauma - Jammu Nov. 2-4, 2001
38. Management of Shock - Guest Lecture - Lotus Hospitals CME on Trauma - Erode. August 5th 2001.
39. Medico-legal Issues in Trauma - Guest Lecture - CME - Indian Medical Association, Thiruchirapalli. May 4th 2001.
40. Blunt abdominal Trauma. Guest Lecture - Apollo Hospitals -Hyderabad, CME on Trauma - July 29th 2001.
41. Golden Hour - Intracellular basis for rapid action. - Trauma 2001 - Govt. Medical College, Trichur - July 22, 2001
42. Disaster Management - Prototype for Tertiary medical Institutions. Guest speaker - Armed Forces Referral Hospital, Pathankot - December 4-7, 1999.
43. Early Trauma Management – Reality vs. Requirement - International Conference on Trauma and Critical Care, New Delhi Nov. 27- 29, 1998.
44. Early management of Cervical Spine Trauma. National Conference on Neurotrauma, Indore. Aug 22, 1998.
45. Organisation of Emergency Service – CMCH Vellore. Guest Lecture Trauma Care – International Conference on Trauma and Critical Care. New Delhi, September 19-21, 1997.
46. Blunt injury abdomen. Guest Lecture National ITACCS Conference – Indian Chapter- Bangalore, September 10-12, 1997.
47. Acute Management of Head injury. National Conference on Critical Care Medicine, Madras Jan 9 – 12, 1997.
48. Randomised Control Trial of treatment schedules with nebulised Ipratropium and Salbutamol in the treatment of acute bronchial asthma. International Conference on Emergency Medicine. New Delhi Nov 22 – 24, 1996.
49. Pathophysiology of Shock -- current concepts. Indian Medical Association (Kerala Chapter) Trichur – Kerala, Feb 21, 1996.
50. VERSE- a new Scoring System for the Emergency Department- International Conference on Trauma Anaesthesia and Critical Care (ITACCS) - New Delhi September 22, 1995.
51. The use of continuous infusion of intravenous nitroglycerin in acute pulmonary oedema. International Symposium on Emergency Medicine, Madras India August 16, 1995.

Current Research Projects

1. Prospective cohort on the epidemiology and outcome of Spinal Injury – 10 years.
2. NGAL –biomarker validation for Acute Kidney Injury.
3. Development of Disease-marker investigations for acute pyogenic intra-abdominal infections.
4. Point of care Ultrasonography in acute chest emergencies
5. GCS, alcohol consumption and outcome of traumatic brain injury
6. PBL in Emergency Medicine – New initiatives for undergraduate curriculum.

Work in Progress.....

1. As an academician.....

- Inspire medical students to relish the specialty of Emergency Medicine, with the view of augmenting the population of Emergency physicians in India.
- Foster the development of Emergency Medicine, by facilitating emergency departments to commence postgraduate training in the specialty.
- Mentor postgraduates in the art and science of Emergency Medicine through philosophy and practice.
- Augment clinical research in Emergency Medicine, by networking like-minded individuals for multi-centric studies.

2. As an administrator

- As a Principal Assessor of NABH, to lead the institution on the continuing journey towards excellence in patient care.
- To provide the ambience for hospital personnel, such that they relish safety and success of the institution, that they work for.
- To facilitate harmony and concerted work culture, in concordance to the norms and policies, established in the institution.

Contact Details:

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