


CURRICULUM VITAE

Personal details

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Educational Qualifications

- **MBBS** – GOVT.CHENGALPATTU MEDICAL COLLEGE, CHENGALPATTU.DR.M.G.R. MEDICAL UNIVERSITY TAMILNADU. (2007-2013)
- **DNB General Surgery** - DEPARTMENT OF GENERAL SURGERY, SRI RAMAKRISHNA HOSPITAL, COIMBATORE 641 044. (2013-2016) – **GOLDMEDAL**
- **Member Royal College of Surgeons** – Edinburgh (MRCS)
- **Master Of Chirurgiae (M.Ch)** -Burns, Plastic & Maxillofacial Surgery- 2017 – 2020
- **DrNB (Plastic Surgery)** – **GOLD MEDAL**
- **Post Doctoral Fellowship in Diabetic Foot Surgery** - Ganga Hospital And Medical Centre, Coimbatore. (2020- 2021)

Position

- Registrar - Department Of General Surgery, Sri Ramakrishna Hospital, Coimbatore 641044. (Nov 2016 - August 2017)
- Senior resident - Department Of Burns, Plastic And Reconstructive Surgery, Vardhaman Mahavir Medical College And Safdarjung Hospital, New Delhi.(September 2017 – September 2020)
- Post Doctoral Fellowship – Diabetic foot surgery, Ganga Hospital and Medical Centre, Coimbatore. (October 2020 to September 2021)
- Senior Registrar - Department of Plastic, Reconstructive Microsurgery, Hand Surgery and Burns, Ganga Hospital and Medical Centre, Coimbatore.(October 2021 – February 2024)
- Associate Consultant - Department of Plastic, Reconstructive Microsurgery, Hand Surgery and Burns, Ganga Hospital and Medical Centre, Coimbatore (March 2024 onwards)

Awards

- PULMOPHYSIO Quiz 2007 – First prize – IRT Perundurai
- Transfusion medicine Quiz 2010 – Frist Prize – Jipmer
- Paediatrics Alumini Prize medal 2012 – Chengalpattu Medical College
- DR C.S.MANI' Award for quiz competition conducted by Coimbatore Medical College in association with ASI, Tirupur branch in 2014.
- Best paper category Second place - Mid ASICON, Tirupur 2014 .
- First prize – Plastic surgery national talent search prize all India quiz competition conducted by Ganga hospital, Coimbatore in 2014.
- Prof. S.M.Chandramohan Best Paper Award - MADRASICON- 2015.
- Best paper award – Mid ASICON, Tirupur 2015.
- Third Place – Dr.B.K.C. Mohan Prasad PG Quiz competition at TN&P ASICON 2015, Kodaikanal.
- Best Poster category Third place - ASICON 2015, Gurgaon, New Delhi.
- Best Research paper award- ASICON 2016, MYSURU
- Best Poster Award - ASICON 2016, MYSURU

- Second Place– Dr.B.K.C. Mohan Prasad PG Quiz competition at TN&P ASICON 2016, Salem.
- Dr. B. Ramamurthi Gold Medal in General Surgery(National Board of Examinations)- June 2016
- Dr.B.Krishnaraj Award for the best General Surgery post graduate of Sri Ramakrishna Hospital, Coimbatore for the year 2016.
- Professor Aikawa ISBI Young Investigator Prize - ISBI 2018
- Dr.B. Krishnaraj Excellence award 2018 – Dr. B.Krishnaraj memorial foundation
- NABI best paper award – NABICON 2019, Prayagraj
- APSI Junior Best Paper Award – APSICON 2019, Bhubaneswar
- DR. C. R. Sundararajan Gold Medal in the specialty of Plastic & Reconstructive Surgery (National Board of Examinations)- June 2020
- DFSI 2022 Best paper award - DFSICON 2022, GOA

Conference Presentations

- Choice of recipient vessel in diabetic foot defects – APFSRM 2024
- Recipient vessels preparation in difficult diabetic foot – APFSRM 2024
- Reconstruction of Plantar Forefoot in Diabetic Foot Ulcers with microvascular tissue transfer using dorsal pedicle route – APSICON 2023
- The safety audit of pneumatic tourniquet use in diabetic foot surgery – APSICON 2023
- Role of Sensory Relearning in Diabetic Neuropathy – Newer treatment strategy: A Randomized Control Study. – DFSICON 2022
- Outcomes and Risk Factor Analysis in microvascular flap reconstructed Diabetic foot cohort – TANPAPS 2021
- Prospective study to quantify and compare plantar surface area lost in Meggitt and Wagner class 2 and Class 3 index diabetic foot disease – DFSICON 2021
- Long term outcomes of Keller Gap Arthroplasty for Plantar Hallux Interphalangeal Joint ulcers in the Diabetic Foot – CIMACON, TIMACON 2021

- Enteral nutrition vs parenteral and enteral nutrition combination vs elixir diet in acute burns : A single centre experience – NABICON 2020
- Blood indices in acute burn: A window into milieu interior - The future biomarkers? – APSICON 2019
- A Randomised Study To Compare Autologous Platelet-Rich Plasma, Autologous Fat Graft And Combination - Regenerative Surgery Options In Diabetic Foot Ulcers – DFSICON 2019
- Derived blood ratios as biomarkers for the early diagnosis of sepsis and prognosis in critical care of burns – NABICON 2019
- Concept of lethal triad in critical care of severe burn injury – NABICON 2019
- Haematological ratios as biomarkers for the diagnosis of sepsis and prognosis in critical care of burns patients – ISBI 2018
- RDW based index in detecting lower limb peripheral artery disease in high risk population: a pilot study. – ASICON 2014
- The microbiological profile of diabetic patients admitted to general surgery department in a south Indian tertiary hospital: an observation with special reference to antibiotic resistance pattern in gram negative organisms. – ASICON 2014
- Beyond tumour characteristics in gastrointestinal stromal tumours: role of neutrophil-to-lymphocyte ratio (NLR) and the platelet-to-lymphocyte ratio (PLR) -ASICON 2015
- Red Cell Distribution Width, Mean Platelet Volume, Neutrophil To Lymphocyte Ratio And Platelet To Lymphocyte Ratio As The Diagnostic Biomarkers For The Diagnosis And Prognosis Of Acute Mesenteric Ischemia – ASICON 2016
- The Association Between Platelet Count, Rdw Based Index, Survival And Complications In Critical Care Of Fournier’s Gangrene Patients – ASICON 2016
- Modified Noble’s enteric plication – A — pasupathasthra for adhesive small bowel obstruction – TNASICON 2016
- Tuberculosis of breast – A tale of three & review of literature - TNASICON 2016
- Abdominal skin incision closure with non-absorbable sutures versus staples – A usual study with unusual vision – Tirupur ASI 2016
- Necrotising Fascitis of Perineum – Fournier’s Gangrene : An eccentric Surgical Emergency – TNASICON 2015
- LEAD index in detecting lower limb peripheral artery disease in Diabetic population – MIDASICON 2015

- Analysis of predictive ability of Neutrophil-To-Lymphocyte Ratio (NLR) And Platelet-To-Lymphocyte Ratio (PLR) in Gastrointestinal Stromal Tumours (GIST)- MADRASICON- 2015
- Parathyroid adenoma – A study - MIDASICON 2014
- Wunderlich syndrome – ASI CBE
- Carcinosarcoma breast - ASI CBE
- Cystic pheochromocytoma- ASI CBE
- Mesenteric ischemia- Role of conservatism- ASI CBE

Book Chapters

- Sabapathy SR, Venkatramani H, Muthukumar V Flap options & Technical Considerations in the Upper Extremity Perforator Flaps. In: Blondeel P, Morris S, Hollock G, Neligan P.ed. 3 rd edition.Newyork: Thieme; 2023
- Sabapathy SR, Muthukumar V, Distally Based Sural Artery Flap in the Upper Extremity Perforator Flaps. In: Blondeel P, Morris S, Hollock G, Neligan P.ed. 3rd edition.Newyork: Thieme; 2023: p 920 – 927 (Chapter 50).
- Sabapathy SR, Venkatramani H, Muthukumar V, Elbow and Forearm Reconstruction in the Upper Extremity Perforator Flaps. In: Blondeel P, Morris S, Hollock G, Neligan P.ed. 3rd edition.Newyork: Thieme; 2023: p 1032 – 1044 (Chapter 53).
- Sabapathy SR, Shanmugakrishnan RR, Vamseedharan M. Extremity Burns. In: Neligan P, Chan D, Hong JP. Eds. Plastic Surgery, Fourth Edition, Elsevier.
- Information Technology in Burn Care, In Textbook of Plastic, Reconstructive, and Aesthetic Surgery Volume V : Burns (pp.697-714)Publisher: Thieme

Publications

- Sarveswaran V, Kumar S, Kumar A, Vamseedharan M. A giant cystic Pheochromocytoma mimicking liver abscess an unusual presentation - a case report. Clinical Case Reports. 2014;3(1):64-68.

- Sarveswaran V, Kumar S, Kumar A, Vamseedharan M. Recurrent Abdomen Pain and Vomiting in a Child: A Congenital Condition Rarely Reported - Ileal Duplication Cyst. SEAJCRR. 2014; 3(5): 1014-1019.
- Sarveswaran V, Kumar S, Kumar A, Vamseedharan M. Carcinosarcoma of Breast: A report of triple positive variant. Indian Journal of Basic and Applied Medical Research; December 2014: Vol.-4, Issue- 1, P. 110-116
- Sarveswaran V, Kumar S, Kumar R, Kumar A, Vamseedharan M. Spontaneous Perinephric Haemorrhage (Wunderlich Syndrome) Secondary to Upper Pole Renal Angiomyolipoma: A Rare Life Threatening Situation. J Clin Med Case Reports. 2015;2(1): 3.
- Venugopal S, Subramaniam SK, Kumar A, Muthukumar V (2016) Disseminated Cysticercosis: A Rare Case Report and Review of the Literature. MOJ Clin Med Case Rep 4(3): 00086. DOI: 10.15406/mojcr.2016.04.00086
- Muthukumar V, Venugopal S, Subramaniam S. Abdominal skin incision closure with non-absorbable sutures versus staples- a comparative study. Int Surg J 2017;4:1235-43. DOI: <http://dx.doi.org/10.18203/2349-2902.isj20171000>
- Muthukumar V, Venugopal S, Subramaniam SK. Report of a Case and Review of Literature of Internal Hernia through Peritoneal Defect in Pouch of Douglas: A Rare Occurrence. International Journal of Applied and Basic Medical Research. 2017;7(3):196-198. doi:10.4103/ijabmr.IJABMR_297_16
- Muthukumar V, Karki D, Jatin B. Concept of Lethal Triad in Critical Care of Severe Burn Injury. Indian J Crit Care Med. 2019;23(5):206–209. doi:10.5005/jp-journals-10071-23161
- Synovial sarcoma of palm masquerading as a neural tumour – a challenging differential diagnosis – Ahead of print Indian Journal of Basic and Applied Medical Research
- Karki D, Muthukumar V, Dash S. —Namaste Flap. Annals of Plastic Surgery. 2019;83(6):636-641.
- Dash S, Muthukumar V, Sharma S. Superstition, Misconceptions, and Magical Beliefs in Burns Patients—A Cross-Sectional Study of 100 Patients. Journal of Burn Care & Research. 2020;41(3):652-656. DOI: 10.1093/jbcr/iraa018
- Karki D, Muthukumar V. Postburn Nasal Reconstruction With Distally Based Radial Artery Perforator Flap: A Novel Technique. Journal of Burn Care & Research. 2020;41(3):731-733.

- Muthukumar V, Arumugam P, Bamal R. Role of systemic antibiotic prophylaxis in acute burns: A retrospective analysis from a tertiary care center. *Burns*. 2020. DOI: 10.1016/j.burns.2019.12.004
- Karki D, Muthukumar V, Dash S, Singh A. Trapezius Transfer to Restore Shoulder Function in Traumatic Brachial Plexus Injury: Revisited and Modified. *The Journal of Hand Surgery (Asian-Pacific Volume)*. 2020;25(02):143-152.
- Muthukumar V, Dash S, Danish A, Sheth S, Nanda D, Ahluwalia C. Fibrin sealant for split-thickness skin graft fixation in burn wounds - An ancillary postulated role in scar modulation. *Wound Medicine*. 2020;31:100197.
- Arumugam P, Muthukumar V, Bamal R. Utility of Shoelace Technique in Closure of Fasciotomy Wounds in Electric Burns. *Journal of Burn Care & Research*. 2020;42(3):538-544.
- Muthukumar V, Arumugam PK, Narasimhan A, Kumar S, Sharma U, Sharma S, Kain R. Blood Lactate And Lactate Clearance: Refined Biomarker And Prognostic Marker In Burn Resuscitation. *Ann Burns Fire Disasters*. 2020 Dec 31;33(4):293-298.
- Dash S, Muthukumar V, Rajkumar R, Karki D. Cryogenic Refrigerant Burns: A Rare Occupational Hazard. *Workplace Health & Safety*. 2020;69(3):109-114.
- Dash S, Arumugam P, Muthukumar V, Kumath M, Sharma S. Study of clinical pattern of limb loss in electrical burn injuries. *Injury*. 2021;52(7):1925-1933.
- Karki D, Jesudas J, Muthukumar V. A surgical challenge: reconstruction of post Fournier's gangrene large penoscrotal defects with pedicled Gracilis muscle flap. *European Journal of Plastic Surgery*. 2021;
- Venkatramani H, Periasamy M, Muthukumar V, Sabapathy SR. Neglected Infected Post-traumatic Pseudoaneurysms of Anterior Tibial Artery: A Case Report and the Lessons Learnt. *Indian J Plast Surg*. 2022;55(1):124-125.
- Karki D, Dawson L, Muthukumar V, Aggarwal N. Blood Indices In Adult Acute Burn: A Window Into Milieu Interieur - The Future Biomarkers?. *Ann Burns Fire Disasters*. 2022;35(1):46-54.
- Venkatramani, Hari, et al. "Emergency Foot Fillet Free Flap Based on Posterior Tibial Vessels for Reconstruction of Contralateral Heel and Sole: A Unique Spare Part Surgery." *Journal of Hand and Microsurgery*, 2022, doi:10.1055/s-0042-1749443.
- Periasamy M, Asokan K, Mohan M, Muthukumar V, Venkatramani H, Sabapathy SR. Parachute Method: A Novel Method to Retrieve a Stuck Degloved Finger. *Indian J Plast Surg*. 2022;55(3):307-310. Published 2022 Oct 31. doi:10.1055/s-0042-1744455

- Periasamy M, Muthukumar V, Ahamed Pi F, Ahammed V A, Venkatramani H, Sabapathy SR. Single-stage Flexor Hallucis Longus transfer and Gracilis free flap cover for failed Achilles tendon repair with soft tissue defect. *J Plast Reconstr Aesthet Surg.* 2023;77:236-243. doi:10.1016/j.bjps.2022.11.028
- Sabapathy SR, Shanmugakrishnan RR, Ramkumar S, Muthukumar V, Senthilkumaran M, Bharathi RR. Postburn Reconstruction of the Face and Neck. *Plast Reconstr Surg.* 2022;150(6):1326e-1339e. doi:10.1097/PRS.00000000000009690
- Periasamy M, Muthukumar V, Mali Reddy R, Asokan K, Sabapathy SR. Outcomes of Keller Gap Arthroplasty for Plantar Hallux Interphalangeal Joint Ulcers in Patients With Diabetes Mellitus. *Foot Ankle Int.* 2023;44(3):192-199. doi:10.1177/10711007231152883
- Aggarwal, N., Karki, D., Gaind, R., Muthukumar, V., Matlani, M., Gupta, A., & Karki, D. (2023). Neutrophil to lymphocyte ratio and platelet to lymphocyte ratio as markers of early sepsis and mortality in pediatric burns: a prospective evaluation. *International Journal of Research in Medical Sciences*, 11(7), 2531–2537. <https://doi.org/10.18203/2320-6012.ijrms20232095>
- Periasamy M, Muthukumar V, Venkatramani H, Sabapathy SR Recipient Vessel Dissection Technique in Diabetic Foot Patients with Perivascular Fibrosis *Indian J Plast Surg.* 2023 Oct 16;56(6):526-527. Doi: 10.1055/s-0043-1775870
- Periasamy P, Muthukumar V, Venkatramani H, Sabapathy SR. Scout Vein Graft – An Intraoperative Technique to Assess the Suitability of Atherosclerotic Donor Arteries for Free Flap Reconstruction, *Journal of Plastic, Reconstructive & Aesthetic Surgery* 93 (2024) 299–301 doi:<https://doi.org/10.1016/j.bjps.2024.04.052>
- Periasamy P, Muthukumar V, Asokan K, Sabapathy SR. Outcomes of Flexor Hallucis Longus Percutaneous Tenotomy for Great Toe Tip Callosity and Ulcers in Patients with Diabetes Mellitus : Cohort Study *J Foot and Ankle Surg. (Asia- Pacific)* 2024 Vol.
- Periasamy P, Muthukumar V, Venkatramani H, Sabapathy SR. A Novel, Simple, and Reliable Technique to Monitor Free Gracilis Flap *Indian Jour of Plastic Surgery* Feb 2024; DOI:10.1055/s-0044-1779659s
- Periasamy M, Muthukumar V, Venkatramani H, Sabapathy SR. Reconstruction of plantar forefoot in diabetic foot ulcers with microvascular tissue transfer using tunneled pedicle with dorsal anastomosis. *J Plast Reconstr Aesthet Surg.* 2024 Feb 10;91:3-5. doi: 10.1016/j.bjps.2024.02.039.

Memberships

- RCS (Ed)
- IMA
- Association of Surgeons of India (ASI)
- National Academy of Burns-India
- ISBI
- ISPNS
- APSI
- ISSH
- TANPAPS
- DFSI
- ISRM
- IAAPS
- RSSDI
- IADFS
- MNAMS