

RESEARCH PUBLICATIONS DURING THE LAST ONE YEAR

Anatomy

1. Vijaijanand M , Geeta Anasuya D , Sheela Grace Jeevamani , Sutha S .Comparative Histological study of Normal human placentae with Hypertensive placentae in Western part of Tamilnadu state (Kongunadu region): Int J Anat Res 2021, Vol 9(2.1):7948-54.
2. Vijaijanand M, Sakthivel M, Sheela Grace Jeevamani, Geeta Anasuya D. A Cadaveric study on Rectus Sternalis muscle and its clinical significance in Western part of Tamilnadu state (Kongunadu region) : Int J Anat Res 2021, Vol 9(2.1):7942-47
3. Sobana Mariappan, Geeta Anasuya. D, Sheela Grace Jeevamani MS, M.Vijaijanand MD. An Erratic Origin of Quadratus Plantae: An Embryological Error: Int J Anat Res 2021, Vol 9(4): 8168-8172
4. Selvaraj S, Sundaram JM, Mani V, MAriappan S, Shanmugam J. Meniscus Dimensions and its clinical implication - A foetal Cadaveric Study. International journal of Anatomy, Radiology and Surgery.2022;11(13):A021-A025

Physiology

5. Ramanathan R, Shanmugam J, Gopalakrishna SM, Palanisami K, Narayanan S.Exploring the learners perspectives on competency-based medical education. JEduc Health Promot. 2021 Mar 31;10:109. doi: 10.4103/jehp.jehp_866_20.PMID: 34084856; PMCID: PMC8150072.
6. Rashmi R, Seetharaman N, Anirudh M, Jeevithan S, Padmavathy L,Vaishnavi C , Kathiravan R. Impact of Microteaching in Enhancing Teaching Skills of Medical College Faculty. J Adv Educ Philos, 5(6): 160-164.
7. Mohan Jayapal, Rashmi Ramanathan et al., Does vitamin D have a role in the inception of childhood asthma-A comparative cross sectional study. Journal of evidence medicine and health 2021;8(17):1157-62 (Indexed in DOAJ, Index Copernicus).

8. Ramanathan R, Shanmugam J, Sridhar MG, Palanisamy K, Narayanan S. Exploring faculty perspectives on competency-based medical education: A report from India. *J Educ Health Promot*. 2021 Oct 29;10:402. doi:10.4103/jehp.jehp_1264_20. PMID: 34912938; PMCID: PMC8641753.
9. Yogisparan PV, Ramanathan R, Jayabal M, Selvaraj V, Shanmugam J. Comparison of high resolution manometry parameters among type II diabetes patients and normal volunteers. *Natl J Physiol Pharm Pharmacol* 2022;12(01):74-78.
10. Jain P, Ramanathan R, Jayapal M, Gopalakrishna SM, Shanmugam J, Moorthy R. Impact of COVID-19 pandemic on medical education. *Natl J Physiol Pharm Pharmacol* 2023;13.
11. Rammohan N, Jayabal M, Ramanathan R, Shanmugam J, ARchana R. Effect of Vestibular Stimulation on Behavioural changes in Parkinson. *Asian J Pharm Clin Res*, Vol 15, Issue 9, 2022, 1-4.

Biochemistry

12. Banupriya N, Bhat BV, Sridhar MG. Role of Zinc in Neonatal sepsis. *Indian J Pediatr*. 2021 July;88(7):696-702.
13. Ramanathan R, Shanmugam J, Sridhar MG, Palanisami K, Narayanan S. Exploring the learners perspectives on competency-based medical education. *J Educ Health Promot*. 2021 Mar 31;10:109. doi: 10.4103/jehp.jehp_866_20. PMID: 34084856; PMCID: PMC8150072.
14. Ramanathan R, Shanmugam J, Sridhar MG, Palanisamy K, Narayanan S. Exploring faculty perspectives on competency-based medical education: A report from India. *J Educ Health Promot*. 2021 Oct 29;10:402. doi:10.4103/jehp.jehp_1264_20. PMID: 34912938; PMCID: PMC8641753.
15. Chowdary MVP. Comparing of formula based methods with diverse TGL:VLDL-C ratio for calculating LDL-C in a tertiary care hospital. *J Lab Physicians [Internet]*. 2021 August. Available from: <https://www.thieme-connect.com/products/ejournals/pdf/10.1055/s-0041-1732496.pdf>. DOI:10.1055/s-0041-1732496.
16. Swathini S, Chowdary MVP. Plasma levels of fetuin B and fibriNogen in COPD: A preliminary cross-sectional study. *J Clin Diagn Res* 2021;15(9):BC08-BC13.

17. Mathumathi K and Chowdary MVP. Evaluation of plasma glucose estimations as reliable surrogate for HbA1c in monitoring glycemic status of T2DM patients: A retrospective study in a tertiary care hospital. *National Journal of Laboratory Medicine* Accepted 27.1.2022.
18. Govindarajan S, Rajaraghupathy S, Kavitha S. Effectiveness of team teaching in biochemistry lectures for undergraduate students. *Biochemistry and molecular Biology Education*. 2021;49(4):583-587.
19. Allimuthu P, Nandeesh H, Chinniyappan R.et al. Relationship of Brain-Derived Neurotrophic Factor with Interleukin-23, Testosterone and Disease Severity in Schizophrenia. *Ind J Clin Biochem* 2021;36:365–369.
20. Indhumathi R,Dhivya M, Madhav V. Effect of hemodialysis on serum magnesium levels in patients with chronic renal failure.*National Journal of laboratory medicine*. Accepted on 24.6.22.

Microbiology

21. Lavanya J*, Manjula SR, Chitra A G, Chaithanya V, Sivaramakrishnan R . Efficacy of Peptone Glycerol Broth in Long-term Storage of the Bacterial and Yeast Cultures. 2021 February ; 15(2) : DC05-DC09.
22. Ramakrishna MS, Jeyamani L*, Abimannan GC, Vajravelu LK. Microbial Profile and Antibioqram Pattern Analysis of Skin and Soft Tissue Infections at A Tertiary Care Center in South India. *J Pure Appl Microbiol*. 2021;15(2):915-925
23. Ramakrishna MS*, Abimannan GC, Jeyamani L, Ramalingam A, Anbalagan K.Burden of Multidrug Resistant Escherichia coli among Patients with Urinary Tract Infections in a Tertiary Care Centre- A Retrospective Analysis.*J Clin of Diagn Res*.2021; 15(9):DC01-DC06.
24. Abimannan GC*, Ramakrishna MS, Jeyamani L, Anbalagan K, Ramalingam A. Emergence of Drug Resistant Enterococcus Species from Patients with Urinary Tract Infections in a Tertiary Care Centre A Retrospective analysis *National Journal of Laboratory Medicine*. 2021 Jul, Vol-10(3): MO09-MO13 DOI: 10.7860/NJLM/2021/48819:2513

25. Nandini D, Manonmoney J*, Lavanya J, Leela KV, Sujith. A Study on Prevalence and Characterization of Candida Species in Immunocompromised Patients. *J Pure Appl Microbiol.* 2021;15(4):2065-2072. doi: 10.22207/JPAM.15.4.29
26. E Harshidha , K Deepika* , G Kalaiselvi , Jayalakshmi Jayarajan Role of Sepsis-3 Criteria and C Reactive Protein in the Diagnosis of Sepsis in Critically Ill Patients. *Natl. lab. med.* 2021; 10(4): MO01-MO05. DOI: 10.7860/NJLM/2021/48146:2523
27. Gounassegarane D, Biswas R, Sastry AS, Elamurugan TP, Penumadu P, Raja K. Bacteremia due to obligate anaerobes following large bowel surgery in a tertiary care hospital in South India. *Indian Journal of Medical Microbiology*, 2022, ISSN 0255-857.
28. Barathidasan R, Sharmila FM, Raj RV, Dhanalakshmi G, Anitha G, Dhodapkar R. Pooled sample testing for COVID-19 diagnosis: Evaluation of bi-directional matrix pooling strategies. *Journal of Virological Methods.* 2022 Mar 15:114524.
29. Gounassegarane D, Gunalan A, Jamir I, Sharmila FM, Barathidasan R, Raj RV, Dhodapkar R. Potential impact of SARS COV-2 infection on the performance of serological assays used to diagnose arboviral diseases. *Journal of Immunological Methods.* 2022 Sep 1;508:113312.

Pharmacology

30. Sathiya vinotha A T, Umamageswari M S, Umamaheswari A, Velarul S. Evaluation of the analgesic activity of aqueous and alcoholic extract of flowers of plumeria alba linn in experimental animals. *Asian J Pharm Clin Res.* 2021;14(4):172-74.
31. Sathiya vinotha A T, Vijayamathy A, Velarul S, Bhuvaneshwari S, Umamageswari MS, Jeevithan S. Perceptual Feedback of Undergraduate Medical Students on Effectiveness of AETCOM (Attitude, Ethics and Communication) Session in Foundation Course. *IJMRA.* 2021;4(11):1621-25.
32. Arunnair V, Kumaraswamy G, Ramesh M. Pattern of Drug Utilisation in the Management of Hyperpigmentary Disorders in a Tertiary Care Hospital- An Observational Study. *J Clin of Diagn Res.*2021; 15(10): FC01-FC06.

33. Arunnair V, Velarul S, Bhuvaneshwari S, Umamageswari M.S, Sathiyavinotha A.T. Feedback of the Session on Professionalism and Ethics using Various Teaching Methods among Undergraduate Medical Students. Asian Journal of Pharmaceutical and Clinical Research (Accepted for publication on 22.2.22).
34. Arunnair V, Velarul S, Bhuvaneshwari S, Umamageswari MS, Sathiya vinotha. AT. Feedback of the Session on Professionalism and Ethics using Various Teaching Methods among Undergraduate Medical Students. Asian J Pharm Clin Res. 2022;15(5):99-102.
35. Girish K, Vasundara. K, Jyothi. R, **Arunnair V*** Knowledge and Practice towards Cosmetics and their Adverse reactions among Undergraduate Medical, Pharmacy, and Physiotherapy Students. Asian J Pharm Clin Res [Internet]. 2022 Jun. 24 [cited 2022 Aug. 8];15(9). Available from: <https://www.innovareacademics.in/journals/index.php/ajpcr/article/view/45429>

Pathology

36. Veena Venkatesh, Shiva Priya R, Abinaya Sundari A, T. M. Karthikeyan, Riyana R. Thaj, & Manickam. (2021). Variation of platelet indices among patients with type 2 diabetes mellitus. International Journal of Health and Clinical Research, 4(16), 167–171.

Community Medicine

37. William RF, Shanmugam J, Duraisamy S. Assessment of attitude towards Blood and Organ Donation among Rural population of South India. Journal of International Medical Sciences Academy. 2021;34(1):8-12.
38. Ramanathan R, Shanmugam J, Gopalakrishna SM, Palanisami K, Narayanan S. Exploring the learners perspectives on competency-based medical education. JEduc Health Promot. 2021 Mar 31;10:109. doi: 10.4103/jehp.jehp_866_20. PMID: 34084856; PMCID: PMC8150072.
39. Ramakrishnan A, Somasundaram A, Srinivasan N, Karmegan S, Madav S, Ramasamy K, Balasubramani N, Venkatachalam S, Shanmugam J, Vijayaragavan P, Arasaradnam R. Management of gastrointestinal services in Tamil Nadu, India, during COVID-19. Lancet Gastroenterol Hepatol.

2021 Aug;6(8):609-610. doi: 10.1016/S2468-1253(21)00193-X. Epub 2021 Jun 3. PMID: 34089655; PMCID: PMC8172353.

40. Rashmi R, Seetharaman N, Anirudh M, Jeevithan S, Padmavathy L, Vaishnavi C, Kathiravan R. Impact of Microteaching in Enhancing Teaching Skills of Medical College Faculty. 2021. *J Adv Educ Philos*, 5(6): 160-164.
41. Dr. A.T. Sathiya vinotha MD, Dr. A.Vijayamathy MD, Dr. S. Velarul MSc (Medical Pharmacology), Dr. S. Bhuvaneshwari MD, Dr. M.S. Umamageswari MD, Dr. S. Jeevithan MD. Perceptual Feedback of Undergraduate Medical Students on Effectiveness of AETCOM (Attitude, Ethics and Communication) Session in Foundation Course. *IJMRA*. 2021;4(11):1621-25.
42. Ramanathan R, Shanmugam J, Sridhar MG, Palanisamy K, Narayanan S. Exploring faculty perspectives on competency-based medical education: A report from India. *J Educ Health Promot*. 2021 Oct 29;10:402. doi:10.4103/jehp.jehp_1264_20. PMID: 34912938; PMCID: PMC8641753.
43. Yogisparan PV, Ramanathan R, Jayabal M, Selvaraj V, Shanmugam J. Comparison of high-resolution manometry parameters among type II diabetes patients and normal volunteers. *Natl J Physiol Pharm Pharmacol* 2022;12(01):74-78.
44. Naidu D, Priyadarshini M, Senthilkumar KV, Sekkizhar U, Shanmugam J. Comparison of Inflammatory Parameters in Coronavirus Disease 2019-infected Pregnant Women and Age-matched Nonpregnant Women. *J South Asian Feder Obs Gynae* 2021; 13 (6):359-362.
45. Nair MS, Chandran P, Mutalik AV. Dietary Correlates of Anemia and Iron and Folic Acid Supplementation among Antenatal Women in Rural Kozhikode, Kerala. *Ann Community Health* 2021;9(2):138-142.
46. Senthil Prabu M, Rajendran K. Clinical profile and outcome of the patients with necrotising fasciitis in a tertiary care teaching hospital at rural Puducherry, India. *IP J Surg Allied Sci* 2021;3(4):101-106.
47. Jain P, Ramanathan R, Jayapal M, Gopalakrishna SM, Shanmugam J, Moorthy R. Impact of COVID-19 pandemic on medical education. *Natl J Physiol Pharm Pharmacol* 2023;13.
48. Rammohan N, Jayabal M, Ramanathan R, Shanmugam J, ARchana R. Effect of Vestibular Stimulation on Behavioural changes in Parkinson. *Asian J Pharm Clin Res*, Vol 15, Issue 9, 2022, 1-4.

49. Selvaraj S, Sundaram JM, Mani V, MAriappan S, Shanmugam J. Meniscus Dimensions and its clinical implication - A foetal Cadaveric Study. *International journal of Anatomy, Radiology and Surgery*.2022;11(13):A021-A025.

ENT

50. Subramaniam S, Ramalingam V, Rajeevan A, Thiyagarajan V, Sengodan K K M, , Murugan R K, Evaluating the outcome of type I Tympanoplasty with cortical mastoidectomy using temporalis fascia graft with and without tragal cartilage support. *J Otorhinolaryngol Allied Sci* 2021;4(4):134-138

OBG

51. Naidu D, Priyadarshini M, Senthilkumar KV, Sekkizhar U, Shanmugam J. Comparison of Inflammatory Parameters in Coronavirus Disease 2019-infected Pregnant Women and Age-matched Nonpregnant Women. *J South Asian Feder Obs Gynae* 2021; 13 (6):359-362.

Emergency Medicine

52. Mahalingam S, Rajendran G, Balaraman N, Kumar K, Rajendran A, Nathan B, et al. Stanford - A Aortic Dissection Presenting as a Triple Mimic and Role of Point of Care Ultrasound in Deciphering It. *J Emerg Trauma Shock*. 2021;14:187–9.
53. Dhar S, Mahalingam S, Kumar K, Kumar P, Nathan B. A cerebral marker of hypocalcaemia – basal ganglia calcification. *Visual Journal of Emergency Medicine*. 2021;25:101145.

Anaesthesia:

54. Subramanian H, Ilangovan J, Chatterjee P. Redefining the use of subarachnoid block for caesarean section in severe COVID-19 pneumonia. *Indian J Anaesth*. 2021 Aug;65(8):626-627. doi: 10.4103/ija.IJA_12_21. Epub 2021 Aug 25. PMID: 34584287; PMCID: PMC844521.
55. Ponde V, Puri K, Dave N. Continuous Caudal Catheters in Neonatal Population: A Focussed Review. *International Journal of Regional Anaesthesia*. 2021;2(2).124-130.

56. Chatterjee P, Subramanian H, Panneerselvam S. Anesthetic Approach to a Case of Hepatoblastoma With Right Atrial Spread for Simultaneous Resection of Both. *Cureus* 14(6): e25796. doi:10.7759/cureus.
57. Ponde V, Bosenberg A, Lokhandwala Y, Nagdev T, Puri K. Diagnostic and therapeutic application of thoracic epidural in a child with intractable cardiac arrhythmias: A case report. *Pediatric Anesthesia*. 2022;32(9):1073-1075.

Surgery:

58. Hopkins P, Bahnou NM. A Study on the Effect of Total Parenteral Nutrition Compared to Crystalloids with Colloids Alone Given Preoperatively or, Post-Operatively in Patients with Type II Intestinal Failure Affecting the Outcome in a Tertiary Care Hospital in Bengaluru, India. *Annals of Medical and Health Sciences Research*. 2021 Oct 1;11(8).
59. Manoj Prabu KR, Vishnu Kumar KG, Aboosalih S, Preethi K, Rekha A. What is the perception of Covid 19 in our community?-A study on level of awareness in the community and assessment of various socio demographic parameters. *European Journal of Molecular and Clinical Medicine*. 2021:1712-29.

Orthopedics

60. Verghese SC, Sahanand SK, Martin NJ, Kerketta AH, Chalasani P, Rajan DV. Isolated MPFL reconstruction for recurrent lateral patellar instability in patients with TT-TG distance < 25 mm: A calculated safe risk! *Journal of Arthroscopic Surgery and Sports Medicine*.:1-7.
61. Verghese SC, Sahanand SK, Varughese AA, Rajan DV. Is wearing a N-95 mask for long durations in the out-patient department and operating theatre harmful to the surgeons? *Indian Journal of Applied Research*. 2022; Jan, Volume 12: Issue 1.

Pediatrics

- 62.** Kranthi KK, Rajendran K, Balakrishnan R. A prospective study on complications of central venous access in neonates in a tertiary care hospital. *J med sci clin res.* 2021;09(02): 216 – 25.
- 63.** Thiyaneshwaran S, Rajendran K , Kamaleshwaran KK. Comparison of renal ultrasonography and technetium 99-M dimercaptosuccinic acid renal cortical scintigraphy in identifying renal parenchymal defects in febrile urinary tract infection in children less than five years age. *J med sci clin res.* 2021;09(02): 237 – 43.

Radiology

- 64.** P. Sabari Arasu, S. Arun Kumar, A. Pavithra, M. Vijaianand. Assessment of Lateral Ventricle Brain Indices In Indian Population Based On Age And Gender Using Computed Tomography. *Int J Anat Res* 2022;10(2):8346-8351.