

List of publication 2021

Original Article:

1. David SN, Varghese DC, Valiaveedan S. What is the minimum effective anesthetic volume (MEAV90) of 0.2% ropivacaine required for ultrasound-guided popliteal-sciatic nerve block? *J Anaesthesiol Clin Pharmacol* 2021;37:402-5
2. Babu N, Kakkanatt AC, Menon B, Rajeev AM. Evaluation of retinal changes in normal pregnancy and gestational hypertension – A spectral domain optical coherence tomography based study. *Kerala J Ophthalmol* 2021;33:179-84.
3. Rafi AM, Bhaskaran R. Impact of COVID-19 on blood transfusion services and strategies used in Kerala. *Glob J Transfus Med* 2021;6:166-70.
4. Chandran R, Vijayan D, Reddy EK, Kumar M, Kesavan L, Jacob R, Ayyiliyath S, Variyar J, Anwar S, Zhang K, Chittalakkottu S. Neuroprotective derivatives of tacrine that target NMDA receptor and acetyl cholinesterase-Design, synthesis and biological evaluation. *Computational and Structural Biotechnology Journal* 19 (2021) 4517–4537.
5. Maria BC, Maria JP, Thomas R, Varghese PR, Kuttichira P. Demographic profile of alcohol use disorder patient who received care from a de-addiction centre in central Kerala. *Int J Community Med Public Health* 2021;8:243-7.
6. Chithra Valsan, Ronnie Thomas, Joshi Paul Chirayath, Varghese P R , Praveenlal Kuttichira. COVID-19 Essentials: Preparing Health Care Professionals before the Pandemic Spread in Kerala. *Indian Journal of Public Health Research & Development*, Jan-March 2021, 12(1): 47-51.
7. Shetty A, Prabhath S, Alappatt K, Kn LK, Bhat N, Sumalatha S. Lateral collateral ligament and anterolateral ligament of the knee–A morphological analysis with orthopedic significance. *The Knee*. 2021 Jan;28:202-6.
8. Krishnamoorthy S, Ramakrishnan S, Colaco LB, Dias A, Gopi IK, Gowda GA, et al. Comparing a deep learning model's diagnostic performance to that of radiologists to detect Covid -19 features on chest radiographs. *Indian J Radiol Imaging* 2021;31:S53-60.
9. Padmakumar, Paleakkara A. Awareness of Medico Legal Aspects of Clinical Practise and Common Medico Legal Issues among Medical Graduates. *Indian Journal of Forensic Medicine & Toxicology*. 2021 Jan 1;15(1).
10. Anusha A, Sherena P, Annamala P, Mukkadan J. Anti-Inflammatory Activity of Oxycarotenoid Extracts Isolated from Coriander Leaves (*Coriandrum Sativum*) and Curry Leaves (*Murraya koenigii*) on Carrageenan Induced Acute Inflammation in Rats. *Journal of Clinical & Diagnostic Research*. 2021 Jan 1;15(1).
11. Bavin IB, Nair MB, Aneesh MK, George DA. Study On The Optic Nerve Variations in Relation to Posterior Paranasal Sinuses Using CT in Tertiary Care Centre. *International Journal of Medical Science And Diagnosis Research*. 2021 Feb 9;5(2).
12. Jubina BAT, Sarangi, Roy S, Mathew SS, Shamseena A, Smrithi K, Unnikrishnan UG. A study on the proportion of hearing impairment among percussionists in Thrissur district of Kerala. *Int J Res Med Sci* 2021;9:816-20.
13. Sreeja CK, Devi VM, Sreekanth KS, Aneesh MK. Correlation of Whole Body Fat and Visceral Fat on the Patients Suffering Lower Back Pain with Lumbar Disc Degenerative Diseases-A Pilot Study. *Annals of the Romanian Society for Cell Biology*. 2021 Mar 15:3631-9.

14. Ninan NG, Kumar S. Relation of grades of hyponatremia on severity of bronchiolitis. *International Journal of Medical Science And Diagnosis Research*. 2021 Mar 26;5(3): 35-36.
15. Joseph M, Valsan N, Kunjubava SB. Gender difference in age at onset of schizophrenia among inpatients: a descriptive cross-sectional clinical study. *Int J Res Med Sci* 2021;9:1097-101.
16. Nejitha. A, Saley Daniel, Aneesh MK. Evaluation of Accuracy of Saline Infusion Sonohysterography with Endometrial Pathology in Patients with Postmenopausal Bleeding. *International Journal of Science and Research*. 2021 feb, 10(2): 1052-58.
17. Remya Mohanan., Neetha George, Sareena Gilvaz, Soumya Mohanan. Prevalence and Related Risk Factors of Osteoporosis and Osteopenia among Peri and Post Menopausal Women. *International Journal of Science and Research*. 2021 feb, 10(2): 808-813.
18. Abhijith Valsalan, Alfie J Kavalakat, Gowri Gopal, John Thomas P, Rashifa Vakiyath, Suresh M V. A study on respiratory complications and its outcome in acute pancreatitis. *International Journal of Medical Science and Diagnosis Research*. 2021March, 5(3): 53-59.
19. Lofi P, Gopi I K, Varghese P R, Kuttichira P. COVID-19 pandemic: Missed initial and follow up appointments at an academic medical institution in south India . *EPR International Journal of Multidisciplinary Research (IJMR)*. April 2021, 7(4), 270-275.
20. Xess I, Pandey M....Valsan C et.al. Multilocus Sequence Typing of Clinical Isolates of *Cryptococcus* from India. *Mycopathologia*. 2021 Jan 20:1-3.
21. Dilber Pareed K, Gafoor A, Gulia SK, Roohen S, Joshi SR. Evaluation of Pre and Post Hypertension and Diabetes in Patients Undergoing Toe Amputation Due To Gangrene: An Original Research. *Annals of the Romanian Society for Cell Biology*. 2021 May 15;25(6):850-5.
22. John M, Priyanka S, George JB, Maria E, Unni G. Oxidative stress parameters in atherosclerotic cardiovascular disease high and low risk score groups as indicators for acute myocardial infarction. *International Journal of Medical Sciences and Technology*. 2021;10(1):1-7.
23. Thomas J, Anthoorathodi JB, Maria G, Jose F, George G, Sreenivasan H, Rahman HA, James JD, Unnikrishnan UG. A case control study on the risk factors of non-syndromic orofacial clefts. *International Surgery Journal*. 2021 May 28;8(6):1844-8.
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26. Babu BV, Vishwanathan K, Ramesh AC, Gupta A, Tiwari S, Palatty BU, Nimbalkar SM, Sharma Y. Participants' perception of the AIIMS Trauma Assessment and Management (ATAM) course for management of polytrauma: A multi-institutional experience from India. *Journal of Clinical Orthopaedics and Trauma*. 2021 Jan 1;12(1):130-7.
27. Krishnan V, Ravi M, Abraham SV, Palatty BU, Balakrishnan JM. Door to balloon time in patients presenting with acute ST elevation myocardial infarction and time factors influencing it; an observational study from a tertiary care teaching hospital in India. *Indian Heart Journal*. 2021 Feb 17.

28. Rajmohan P, Jose P, Thodi JB, Thomas J, Raphael L, Krishna S, Gopinathan UU, Kuttichira P. Dynamics of transmission of COVID-19 cases and household contacts: A prospective cohort study. *Journal of Acute Disease*. 2021 Jul 1;10(4):162.
29. Rafi AM, Tomy MM, Thomas R, Valsan C, Unnikrishnan UG, Innah SJ, Kuttichira P. Serosurveillance of SARS CoV 2 among the healthcare workers of a tertiary care teaching institution in Central Kerala during the post lockdown phase. *Journal of Clinical and Diagnostic Research*. 2021 Jul, Vol-15(7): LC13-LC17.
30. Andrews Kakkanatt, Joshi Paul, Praveenlal Kuttichira. High risk groups among Health Care Workers and hot spots in hospital during Covid 19 pandemic: Observations from an exploratory study in a teaching hospital of Central Kerala. *Hosp. Pharmacy* 16(3) July to Sept., 2021 (August Supplement Issue-A).
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32. Praveenlal K, Varghese PR, Lofi PEL, Prasad AB. The elections and campaign styles influence the spread of COVID-19 pandemic: lessons learned from Kerala, India. *Int J Community Med Public Health* 2021;8:5441-5.
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34. Prabhath S, Alappatt K, Shetty A, Sumalatha S. An exploratory study of the histomorphogenesis and zonal vascular changes in the human fetal medial meniscus. *Translational Research in Anatomy*. 2021 Nov 1;25:100148.
35. Ganesh E M, Varghese P R, Vasudevan D M, Anoop Kumar A N, Kuttichira P. Vaccine-Induced Mutation in SARS-Cov-2, a Matter of Concern. *Himalayan Journal of Community Medicine and Public Health* 2021; 2(6): 20-21.
36. Rajesh Sharma, Manoj Ravi, T Govindan Unni, Bino Benjamin, & Prasanna Kumar Cenchery Krishnan. (2021). Feasibility of Radial artery access for primary angioplasty and high risk subgroup analysis - A paradigm shift. *International Journal of Health and Clinical Research*, 4(23), 262–265.
37. Valsan C, Kuttichira P, Varghese R, et al. Audit of break the chain safety measures practiced in a teaching hospital in central Kerala. *J Evolution Med Dent Sci* 2021; 10(45): 3875-3879.
38. Rajmohan P, pillai Rajamma C, Ayiravelil Mohanan M, Jose P, Uttumadathil Gopinathan U, Ramesh V, Manassery Koduvelil A, Raphael L, Thomas J. Clinical and Laboratory Predictors of Mortality in Patients With SARS-CoV-2 Infection in A Tertiary Care Center of Central Kerala, India-A Case control Study. *Caspian Journal of Health Research*. 2021 Dec 10;6(4):111-20.
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40. Kumar RJ, Manoj VC (2021) Effect of Umbilical Cord Milking on Severity of Hypoxic Ischemic Encephalopathy in Asphyxiated Neonates: A Pilot Study. *J Forensic Biomech*. 12: 381.

41. Chandran R, Dileep KV. Exploring the binding mode of PQ912 against secretory glutaminyl cyclase through systematic exploitation of conformational ensembles. *Chemical Biology & Drug Design*. 2021 Nov;98(5):850-6.
42. Melit RJ, Abraham SV, Radhakrishnan S, Palatty BU, Ajay A, Krishnan VS, et al. Retrospective review of case records of snakebite victims presenting to a single tertiary care centre over a 5-year period. *Natl Med J India* 2021;34:326–32.
43. Deepa T K, Sampson U, Sreedharan R. Pattern Intensity Index, Dankmeijer's Index and Furuhashi's Index of Palmar Dermatoglyphics in Patients with Bronchial Asthma. *Int J Cur Res Rev*. Vol 13 Issue 18, September, 2021, 21-26.
44. John K M, Sreedharan R, Sampson U. Correlation between Placental Morphometric Parameters and Birth Weight of Neonates. *Int J Cur Res Rev*. Vol 13 Issue 18, September, 2021, 59-63.
45. Vakiyath R, Chimmen JV, Praveen KV, et al. Evaluation of β -catenin expression in relation to staging and grading of colorectal carcinoma – a study conducted in Jubilee Mission Medical College and Research Institute, Thrissur. 2021;8(32):2993-2998.
46. Jesna JK, Resmi SP, Gnanadurai A, Anand MK. Effect of Video assisted teaching on knowledge and practice for prevention of Hypertensive renal diseases among patients with hypertension. *International Journal of Advances in Nursing Management*. 2021;9(2):216-21.
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49. Paul CT, Thyagaraj V, Hegde S. Role of Neutrophil-Lymphocyte Ratio as Short-Term Outcome Prognostic Indicator Following an Acute ST Segment Elevation Myocardial Infarction-A Prospective Observational Study. *Journal of Clinical & Diagnostic Research*. 2021 Dec 1;15(12).
50. Thasleem SK, Sharma R, Shaji KS. Impact of a Mental Health Gap (mhGAP) Module on Behavioral and Psychological Symptoms of Dementia (BPSD) and Caregiver Burden in a South Indian Community. *Indian Journal of Forensic Medicine & Toxicology*. 2021 Mar 24;15(2):1099-107.
51. Agarwal A, Mohanan PP, Kondal D, Chopra A, Baldrige AS, Davies D, Devarajan R, Unni G, Abdullakutty J, Natesan S, Joseph J. Presentation, Management, and In-Hospital Outcomes of Patients with Acute Heart Failure in South India by Sex: A Secondary Analysis of a Prospective, Interrupted Time Series Study. *Global heart*. 2021;16(1).
52. Desai N, Unni G, Agarwala R, Salagre S, Godbole S, Dengra A, Abhyankar MV, Revankar S. Risk Factors and Comorbidities in Young Indian Patients with Hypertension: REAL YOUNG (Hypertension) Study. *Integrated Blood Pressure Control*. 2021;14:31.
53. Agarwal A, Mohanan PP, Kondal D, Baldrige A, Davies D, Devarajan R, Unni G, Abdullakutty J, Natesan S, Joseph J, Jayagopal PB. Effect of a quality improvement intervention for acute heart failure in South India: An interrupted time series study. *International journal of cardiology*. 2021 Apr 15;329:123-9.

54. Coccolini F, Kluger Y, Moore EE, Maier RV, Coimbra R, Ordoñez C, Ivatury R, Kirkpatrick AW, Biffl W, Sartelli M, Hecker A. Trauma quality indicators: internationally approved core factors for trauma management quality evaluation. *World Journal of Emergency Surgery*. 2021 Dec;16(1):1-0. (Dr. Alfie the WSES Trauma Quality Indicators Expert Panel)
55. Collaborative C, Collaborative G. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. *Anaesthesia*. 2021. (Dr. Alfie)
56. COVID Surg Collaborative, Global Surg Collaborative SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. *BJS*, 2021.
57. COVIDSurg Collaborative, GlobalSurg Collaborative, Nepogodiev D, Simoes JF, Li E, Picciochi M, Glasbey JC, Baiocchi G, Blanco-Colino R, Chaudhry D, AlAmeer E. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. *Anaesthesia*. 2021 Nov;76(11):1454-64.
58. Cobianchi L, Dal Mas F, Massaro M, Fugazzola P, Coccolini F, Kluger Y, Leppäniemi A, Moore EE, Sartelli M, Angelos P, Catena F. Team dynamics in emergency surgery teams: results from a first international survey. *World Journal of Emergency Surgery*. 2021 Dec;16(1):1-3.

Case series:

59. Thomas R, John BM, Koothapally JT, Kumar S, Adiody S, Balachandran V, Vaksan C, Kuttichira P. Clinical and epidemiological spectrum of coronavirus disease 2019 in Central Kerala: a retrospective case series. *Int J Community Med Public Health* 2021;8:1503-7.
60. Korambayil PM, Ambookan PV, Karangath RR. Necrotising soft-tissue infections with hyperbaric oxygen therapy as an adjunct: A tertiary care experience. *J Clin Sci Res* 2021;10:173-7.

Review articles:

61. Joy M Liji, PR Varghese, Susheela Jacob Innah, Praveenlal Kuttichira. Biomarker Signatures to Monitor Alcohol Consumption and Induced Organ Damage. *Journal of Clinical and Diagnostic Research*. 2021 Feb, Vol-15(2): LE01-LE05
62. Ajit A, Vishnu AG, Varkey P. Incorporation of grape seed extract towards wound care product development. *3 Biotech*. 2021 Jun;11(6):1-0.
63. Manoj VC, Chakraborty M. What's new in High Frequency Oscillatory Ventilation in Neonates? *Fetus and Newborn*. 2021 May 7;1(1):10-3.
64. Maria Babu, Sherly Joseph, Praveenlal Kuttichira. Role of psychotherapy in alcohol use disorders-a review. *International Journal of Medical and Health Research*. 7(6), 2021, 34-39.
65. Woodman C, Vundu G, George A, Wilson CM. Applications and strategies in nanodiagnosis and nanotherapy in lung cancer. In *Seminars in cancer biology* 2021 Feb 1 (Vol. 69, pp. 349-364). Academic Press.
66. Renu K, Chakraborty R, Haritha M, Rajeshwari K, Famurewa AC, Madhyastha H, Balachandar V, George A, Abilash VG. Molecular mechanism of heavy metals (Lead,

- Chromium, Arsenic, Mercury, Nickel and Cadmium) induced hepatotoxicity—A review. *Chemosphere*. 2021 Jan 30:129735.
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71. Shakeeb N, Varkey P, Ajit A. Human saliva as a diagnostic specimen for early detection of inflammatory biomarkers by real-time RT-PCR. *Inflammation*. 2021 Oct;44(5):1713-23.

Case report

72. James V, Vellore M. A rare case of hypertrophic lichen planus caused by ingestion of ink. *Int J Res Med Sci* 2021;9:1216-8.
73. Sasidharan A, Rafi AM, Bhaskaran R, Baiju NM, Innah SJ. Successful Pregnancy in a Patient With Recurrent Pregnancy Loss Due to Afibrinogenemia Managed With Cryoprecipitate Prophylaxis in a Resource-limited Setting. *Mal J Med Health Sci* 17(2): 308-310, April 2021
74. Appukkuttan A, Valsalan A, Shaji S, Gopal G. Lesser sac haematoma-melioidosis—a surgical surprise. *J Evid Based Med*. 2021;8:2349-570.
75. Pudukadan D, John B. Toxic epidermal necrolysis and coronavirus disease 2019: A rare association. *Journal of Skin and Sexually Transmitted Diseases*. 2021 Oct 14;3(2):184-7.
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77. Shajan A, George N, Gilvaz S, Abraham SV. Afibrinogenemia Diagnosed During Pregnancy Successfully Managed with Targeted Cryoprecipitate Transfusion: A Case Report. *J Obstet Gynaecol India*. 2021 Apr;71(2):191-196.
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Others

82. Narayanan PV. Millard's rotation advancement technique for unilateral cleft lip repair. *J Cleft Lip Palate Craniofac Anomal* 2021;8:157-62.
83. Chacko F, Rohith PS. NORSE Following Viral Infections Like Covid 19. *BMH Medical Journal*. 2021 Sep 29;8(4):132-4.
84. Vijay A, Mohanan PP, Kondal D, Baldrige A, Davies D, Devarajan R, Unni G, Abdullakutty J, Natesan S, Joseph J, Jayagopal PB. Polypill Eligibility for Patients with Heart Failure With Reduced Ejection Fraction in South India: A Secondary Analysis of a Prospective, Interrupted Time Series Study. *Journal of the American Heart Association*. 2021 Oct 19;10(20):e021676.
85. Sunagar K, Abraham SV. The Curious Case of the “Neurotoxic Skink”: Scientific Literature Points to the Absence of Venom in Scincidae. *Toxins*. 2021 Feb;13(2):114.
86. Chandran KV, Abraham SV. In Response to the Letter to the Editor Submitted Titled "Lack of CPR Knowledge among Young Medical Doctors: A Worldwide Issue". *Indian J Crit Care Med* 2021;25(1):107.

Books/ Chapters

- Dr. Manoj VC, Common Skin lesions in Neonates. IAP Textbook of Neonatology. Jaypee 2021
- Dr. Manoj VC: Seizure management. Textbook of Hypoxic Ischemic Encephalopathy in Newborn - a comprehensive guide.
- Mathew P, Mathai P. Cleft maxillary hypoplasia. In *Oral and Maxillofacial Surgery for the Clinician* 2021 (pp. 1675-1702). Springer, Singapore.
- Narayanan PV, Adenwalla HS. Cleft Palate. In *Oral and Maxillofacial Surgery for the Clinician* 2021 (pp. 1633-1654). Springer, Singapore.
- Anoop James George, Meenhas O K, Vijay Chanchal A B. *Code Blue: A Ready Reckoner In Emergency Resuscitation* 1st Edition 2021
- Kezia K. Ecological Determinants and Challenges to Butterfly Conservation. In Deepak R, ed. *Current Research on Zoology and Entomology Sciences*. New Delhi: Scripown Publications, 2021. P. 22-36.