

List of Publications Jan-Dec 2022

HOSPITAL WING

DEPARTMENT OF ANAESTHESIOLOGY

A) Division of Neuroanaesthesia

1. Ajayan N, Hrishi AP. How balanced is the BALANCED delirium trial? Comment on Br J Anaesth 2021; 127: 704-12. Br J Anaesth. 2022 Apr;128(4):e274-e275. doi: 10.1016/j.bja.2022.01.018. Epub 2022 Feb 17. PMID: 35183347.
2. Suresh S, Hrishi AP, Divakar G, Sethuraman M. At the Eye of the Hurricane! Perioperative Management of an Unoptimized Metastatic Pheochromocytoma Presenting for Emergency Neurosurgery. J Neurosci Rural Pract. 2022 Jun 13;13(3):563-567. doi: 10.1055/s-0042-1749457. PMID: 35946015; PMCID: PMC9357467.
3. Ajayan N, Hrishi AP, Kumar A, Sethuraman M. Anesthetic Management of a Patient With Arterial Tortuosity Syndrome Undergoing Cerebral Revascularization Surgery-A Case Report. A A Pract. 2022 Jun 7;16(6):e01593. doi: 10.1213/XAA.0000000000001593. PMID: 35679159.
4. Ajayan N, Christudas J, Morris L, Hrishi AP. An Entropy-Based Prospective Randomized Controlled Trial to Evaluate the Analgesic and Hypnotic Effects of Equipotent Doses of Sevoflurane and Isoflurane in Patients Presenting for Spine Surgeries. J Neurosci Rural Pract. 2022 Jun 8;13(3):376-381. doi: 10.1055/s-0042-1744228. PMID: 35946024; PMCID: PMC9357483.

5. Varma S, Praveen R, Hrishi AP, Sethuraman M. Near-Infrared Spectroscopy-Guided Hyperventilation for Transient Intracranial Pressure Control during Anesthesia Induction in a Patient with Impending Uncal Herniation. *Neurol India*. 2022 Jul-Aug;70(4):1665-1667. doi: 10.4103/0028-3886.355096. PMID: 36076680.
6. Thakkar KD, Sethuraman M, Praveen C S R, Vimala S, Hrishi P AP, Prathapadas U. Effect of Different Surgical Positions on the Changes in Cerebral Venous Drainage in Patients Undergoing Neurosurgery: A Prospective Observational Study. *J Neurosurg Anesthesiol*. 2022 Sep 29. doi: 10.1097/ANA.0000000000000872. Epub ahead of print. PMID: 36179358.
7. Lele AV, Wahlster S, Alunpipachathai B, Awraris Gebrewold M, Chou SH, Crabtree G, English S, Der-Nigoghossian C, Gagnon DJ, Kim-Tenser M, Karanjia N, Kirkman MA, Lamperti M, Livesay SL, Mejia-Mantilla J, Melmed K, Prabhakar H, Tumino L, Venkatasubba Rao CP, Udy AA, Videtta W, Moheet AM; NCC-COVID Study Collaborators. Perceptions Regarding the SARS-CoV-2 Pandemic's Impact on Neurocritical Care Delivery: Results From a Global Survey. *J Neurosurg Anesthesiol*. 2022 Apr 1;34(2):209-220. doi: 10.1097/ANA.0000000000000825. PMID: 34882104; PMCID: PMC8900891.
8. Prasad, Sethulakshmi; Praveen, Ranganatha; Sethuraman, Manikandan; George, Jeeva. Sequential events of asystole and cranial nerve monitor induced narrow QRS complex ECG artefacts: An uncommon combination during a common neurosurgery. *Indian Journal of Anaesthesia* 66(12):p 883-884, December 2022. | DOI: 10.4103/ija.ija_471_22

9. George J, Praveen R, Vimala S, Sethuraman M. (2022). Anesthetic uncertainties in a child with multiple epidural hematoma immediately following brain tumour resection. *Medical Journal Armed Forces India*. 10.1016/j.mjafi.2022.02.009.
10. Puthiyedath R, Kumar A, Praveen R, Sethuraman M. (2022). Anesthetic Implications of Nephrotic Syndrome in Neurosurgical Practice. *Journal of Neuroanaesthesiology and Critical Care*. 10.1055/s-0042-1744400.
11. Sethuraman M, Hrishi AP, Prathapadas U, & Ajayan, Neeraja. (2022). Electrocardiographic changes in patients with raised intracranial pressure from supratentorial brain tumors. *Journal of Neurosciences in Rural Practice*. 1-7. 10.25259/JNRP-2022-2-23.
12. Bindra A, Bharadwaj S, Mishra N, Masapu D, Bhargava S, Luthra A, Marda M, Hrishi AP, Bhagat H, Bidkar P, Vanamoorthy P, Ali Z, Khan M (2022). Preanesthetic Evaluation and Preparation for Neurosurgical Procedures: An Indian Perspective. *Journal of Neuroanaesthesiology and Critical Care*. 09. 084-092. 10.1055/s-0042-1749649.
13. Suresh S, Hrishi AP, Sethuraman M (2022). A Rare Case of Drug Interaction Presenting as Perioperative Hyperthermia in a Patient Presenting for Neurosurgery. *Journal of Neuroanaesthesiology and Critical Care*. 10.1055/s-0042-1744398.
14. Sethuraman M, Hrishi AP, Prathapadas U, Ajayan N. Electrocardiographic changes in patients with raised intracranial pressure from supratentorial brain tumors. *J Neurosci Rural Pract*, doi: 10.25259/JNRP-2022-2-23

Book Chapters

1. Lionel KR, Hrishi AP, Ajayan N. Craniosynostosis and Anesthetic Concerns. In: Fundamentals of Pediatric Neuroanesthesia. Springer, Singapore; 2021. p. 289–303. ISBN 978-981-16-3375-1

2. Manikandan Sethuraman, Prakash Nair . Chapter titled Anesthesia for minimally invasive neurosurgical procedures in children. In: Fundamentals of Pediatric Neuroanesthesia. Springer, Singapore; 2021. p. 289–303. ISBN 978-981-16-3375-1

B) Division of Cardiothoracic and Vascular Anesthesia

1. Thomas D, Sharmila S, Saravana Babu MS, Raman SP, Gadhinglajkar SV, Koshy T. Perioperative cardiovascular outcome in patients with coronary artery disease undergoing major vascular surgery: A retrospective cohort study. Ann Card Anaesth. 2022 Jul-Sep;25(3):297-303.

2. Palamattam DJ, Sreedhar R, Gadhinglajkar SV, Dash PK, Sukesan S. Bedside Chest Ultrasound in Postoperative Pediatric Cardiac Surgery Patients: Comparison With Bedside Chest Radiography. J Cardiothorac Vasc Anesth. 2022 Nov;36(11):4039-4044.

3. Chennakeshavallu GN, Gadhinglajkar S, Sreedhar R, Babu S, Sankar S, Dash PK. Comparison of effects of sevoflurane versus propofol on left ventricular longitudinal global and regional strain in patients undergoing on-pump coronary artery bypass grafting. Ann Card Anaesth. 2022 Apr-Jun;25(2):188-195.

4. Mohammed S, Menon S, Gadhinglajkar SV, Baruah SD, Ramanan SV, Gopalakrishnan KA, Suneel PR, Dharan BS. Clinical outcomes of del nido cardioplegia and st thomas blood cardioplegia in neonatal congenital heart surgery. *Ann Card Anaesth*. 2022 Jan-Mar;25(1):54-60.
5. Malhotra N, Koshy T, Bhatia P, Datta R, Jain D, Koppal R. The changing face of postgraduate anaesthesia teaching curriculum: Need of the hour! *Indian J Anaesth*. 2022 Jan;66(1):15-19.
6. Borde D, C K, Jasapara A, Shetty V, Juvekar N, Desurkar V, Gaidu J, Joshi P, Asegaonkar B, Kp U, V V, Joshi S, Koshy T. Use of a Video Laryngoscope to Reduce Complications of Transesophageal Echocardiography Probe Insertion: A Multicenter Randomized Study. *J Cardiothorac Vasc Anesth*. 2022 Dec;36(12):4289-4295.
7. Devarakonda BV, Garre S, Suneel PR, Babu S, Koshy T. To Be Removed or Not? Intraoperative Transesophageal Echocardiography Evaluation of Coronary Ostial Stent Protruding Into the Aorta. *J Cardiothorac Vasc Anesth*. 2022 Jan;36(1):226-230
8. Kiran M, Misra S, Pr S, Babu S, Anand A, Koshy T. Quantification of Right Atrial-Indexed End-Systolic Volumes and Emptying Fraction in Children Undergoing Cardiac Surgery With Two-Dimensional Transesophageal Echocardiography: A Prospective Observational Study. *J Cardiothorac Vasc Anesth*. 2022 Jan;36(1):202-207.

9. Devarakonda BV, Nemani DN, Raja J, Dharan BS, Koshy T. Role of Transesophageal and Epicardial Echocardiography to Assess Surgical Repair in Double-Outlet Left Ventricle. *J Cardiothorac Vasc Anesth.* 2022 May;36(5):1396-1400.
10. Chennakeshavallu GN, Sruthi S, Babu S. Artifact in central venous pressure waveform due to central venous catheter tip abutting the wall of superior vena cava. *Ann Card Anaesth.* 2022 Apr-Jun;25(2):243-244.
11. Devarakonda BV, Babu S, Chaudhary V, Ghotra GS, Vadapalli K, Kiran CK. Use of Left Brachial and Left Carotid Artery Ultrasound Doppler For Correct Positioning of Intra-Aortic Balloon Pump in a Patient With Acute Cardiogenic Shock. *J Cardiothorac Vasc Anesth.* 2022 Aug;36(8 Pt B):3432-3433.
12. Palamattam DJ. "Ripples in Water" Effect Detected by Ultrasound During Internal Jugular Catheterization. *J Cardiothorac Vasc Anesth.* 2022 Dec;36(12):4557.
13. Hanumansetty K, Aspari AM, Palamattam DJ. Ventricular septal defects in two-dimensional imaging seen as a single defect on colour flow doppler imaging. *Ann Card Anaesth.* 2022 Apr-Jun;25(2):240-241.
14. Suda NK, Palamattam DJ, Radhakrishnan BK. Left atrial mass after mitral valve replacement: thrombus, tumor, or a normal variant? *Minerva Anesthesiol.* 2022 May;88(5):418-420. doi: 10.23736/S0375-9393.21.16204-2. Epub 2022 Feb 24. PMID: 35199971.

15. Murukendiran GJ, Dash PK, Azeez AM, Palanisamy N, Pitchai S. Symptomatic aberrant right subclavian artery-A case report and anesthetic implications. *Ann Card Anaesth.* 2022 Jan-Mar;25(1):81-84. doi: 10.4103/aca.ACA_145_20. PMID: 35075026; PMCID: PMC8865346.

C) DEPARTMENT OF TRANSFUSION MEDICINE

1. Amita R. Nair, Debasish Gupta. Severe Donor Reaction as A Hazard of Replacement Blood Donation- A Case Report", Asian Journal of Transfusion Sciences (accepted for publication), Feb 2022
2. Amita R Arya AB, Sathyabhama S, Debasish Gupta. A Root Cause Analysis of Haemolysis Encountered in Leuco-filtration of Stored Packed Red Cells Units. International Journal of Medical Laboratory 2022;9(1):47-54.
3. Mani A, Amita R, Gupta D. A retrospective study to assess the transfusion requirements of patients during Extra-Corporeal Membrane Oxygenation Support (ECMO) support – Accepted for publication in Asian Journal of Transfusion Sciences
4. Mani A, Amita R, Gupta D. A pilot study to assess Vitamin D and Serum. Ferritin levels among prospective blood donors with low hemoglobin levels - Accepted for publication in Asian Journal of Transfusion Sciences
5. Chand S, R Amita, Gupta D. Addressing concerns and suggestions of blood donors: An assured way for donor motivation, recruitment, and retention. Asian J Transfus Sci. Epub ahead of print. doi: 10.4103/ajts.ajts_154_21
6. Chand S, R Amita, Gupta D. Investigating non-immune haemolytic transfusion reactions in surgical patients. Transfus Med. 2022 Sep 20. doi: 10.1111/tme.12914. Epub ahead of print. PMID: 36124716.

D) DEPARTMENT OF IS&IR

1. Joseph J, Panicker MR, Chen YT, Chandrasekharan K, Mondy VC, Ayyappan A, et al. covEcho Resource constrained lung ultrasound image analysis tool for faster triaging and active learning.. 2022;
2. Joseph A, Valakkada J, Ayappan A, Dandhaniya D. Endovascular interventions in main renal artery pathologies: an overview and update. *Acta Radiologica*. 2022;63(7):964–75.
3. Bursapalle MR, Valakkadaa J, Ayappan A. Role of intravoxel incoherent motion (IVIM) in evaluation of post trans arterial chemoembolisation (TACE) in hepatocellular carcinoma : A prospective study . *Radiología*. 2022;
4. Bellala P, Valakkada J, Ayyappan A, Kumar S. Evidences in Uterine Artery Embolization: A Radiologist's Primer. *Journal of Clinical Interventional Radiology ISVIR*. 2022;
5. Ayyappan A, Valakkada J, Bursupalle MR, Kannath SK, Pitchai S. Double-barrel plugging in a recurrent aorto-enteric fistula. *Indian Journal of Thoracic and Cardiovascular Surgery*. 2022;1–4.
6. Anoop A, Valakkada J, Sasikumar D, Menon S. Repercussions of a giant major aortopulmonary collateral aneurysm adjacent to vertebral artery origin. *Annals of Pediatric Cardiology*. 2022;15(1):94.
7. Alex A, Ayyappan A, Valakkada J, Kramadhari H, Sasikumar D, Menon S. Major Aortopulmonary Collateral Arteries. *Radiology: Cardiothoracic Imaging*. 2022;
8. Alex A, Ayyappan A, Valakada J, Narasimhaiah D, Pitchai S, Sylaja P. Role of diffusion-weighted imaging in carotid plaque vulnerability assessment. *Egyptian Journal of Radiology and Nuclear Medicine*. 2022;53(1):1–8.

9. Ajay A, Jineesh V, Anoop A, Kannath S, Kramadhari H. Pericardial Tamponade during Supra Haptic IVC Angioplasty in Budd-Chiari Syndrome Managed by Ultrasound-Guided Pericardiocentesis. *Journal of Clinical Interventional Radiology ISVIR*. 2022;
10. Kannath SK et al. Semi-automated mapping of occluded arterial segments in acute large vessel stroke from computed tomography angiography. *Journal of Stroke and Cerebrovascular Diseases* 31 (11), 106763
11. Kandasamy S, Kannath SK, Rajan JE et al. Non-invasive angiographic analysis of dural carotid cavernous fistula using time of flight MR angiography and silent MR angiography- A comparative study. Accepted in *Acta Radiologica*
12. Raj R, Mathew J, Kannath SK, Rajan J. Crossover based technique for data augmentation. *Computer Methods and Programs in Biomedicine* 2022; 106716.
13. Sekar S, Kannath S, Ramachandran S et al. Alterations in Resting-State Functional MRI Connectivity Related to Cognitive Changes in Intracranial Dural Arteriovenous Fistulas Before and After Embolization Treatment. *Journal of Magnetic Resonance Imaging* 2022;55(4):1183-1199
14. Pan S, Kannath SK, Sing G, Rajan JE. A Prospective Study Comparing the Three-Dimensional Rotational Angiography and Two-Dimensional Digital Subtraction Angiography in Evaluation of Brain Arteriovenous Malformations. *Neurology India* 2022;70:1905
15. Rajan JE, Kannath SK, Sabarish S, Arun K et al. Mechanical Thrombectomy in Acute Ischemic Stroke: Angiographic Predictors of Outcome. *Neurology India* 2022;70:1407

16. Neethi AS, Niyaz S, Kannath SK, Mathew J, Anzar AM, Rajan JE. Stroke classification from computed tomography scans using 3D convolutional neural network. *Biomedical Signal Processing and Control* 2022;76:103720
17. Raj R, Mathew J, Kannath SK, Rajan J. Crossover based technique for data augmentation. *Computer Methods and Programs in Biomedicine* 2022; 218, 106716
18. Senthilvelan S, Kannath SK, Arun KM, Menon R, Kesavadas C. Non-invasive assessment of cerebral hemoglobin parameters in intracranial dural arteriovenous fistula using functional near-infrared spectroscopy—A feasibility study. *Frontiers in Neuroscience* 2022; 16.
19. Vinayagamani S, Sekar S, Thomas B, Kesavadas C. Neuroimaging in CEDNIK Syndrome: A Rare Neuro-Ichthyosis. *Neurology India* 2022;70:818.
20. Senger KPS, Kesavadas C. Imaging in pediatric Epilepsy. *Seminars in Roentgenology* 2022.
21. Augustin AM, Kesavadas C, Sudeep PV. An Improved Deep Persistent Memory Network for Rician Noise Reduction in MR Images. *Biomedical Signal Processing and Control* 2022; 77, 103736
22. Kesavadas C. Mentoring Scientific Writing among Radiology Residents. *Indian Journal of Radiology and Imaging* 2022; 32:001-002
23. Kaushik S, Bylund M, Cozzini C et al. Region of Interest focused MRI to Synthetic CT Translation using Regression and Classification Multi-task Network. *arXiv preprint arXiv:2203.16288*; 2022
24. Krishnan G, Goswami SP, Mohan PM, nAIR M, Sylaja PN, Kesavadas C. Timing and sequencing of oro-pharyngeal swallow events in persistent dysphagia post-stroke. *Revista de Logopedia, Foniatría y Audiología* 2022.

25. Nair G, Nair SS, Arun KM, Camacho P, Bava E, Ajayagosh P, Menon RN, Nair M, Kesavadas C et al. Resting-State Functional Connectivity in Relapsing-Remitting Multiple Sclerosis with Mild Disability: A Data-Driven, Whole-Brain Multivoxel Pattern Analysis Study. *Brain Connectivity* 2022.
26. Batalapalli D, Rao BP, Yogeewari P, Kesavadas C et al. An optimal brain tumor segmentation algorithm for clinical MRI dataset with low resolution and non-contiguous slices. *BMC Medical Imaging* 2022;22:1-12.
27. Shyna A, John A, Kesavadas C, Thomas B. Deep-ASL enhancement technique in arterial spin labeling MRI—A novel approach for the error reduction of partial volume correction technique with linear regression algorithm. *Journal of Computational Science* 2022; 58, 101546.
28. Radhakrishnan V, Gallea C, Kesavadas C, Thomas B et al. Study of age related neurodegeneration of Cerebellum Basal Ganglia direct subcortical white matter tracts using fixel-based analysis. *Movement Disorders* 2022;37:S36-S37.
29. Cherian A, Divya KP, Thomas B. Clinical, imaging and genetic characteristics from an Indian ARSACS cohort. *Movement Disorders* 2022;37:S221-S221.
30. Matham G, Divakar G, Deepti AN, Thomas B et al. Unique Presentation of Occipital Condyle Giant Cell Tumor as Occipital Condyle Syndrome—A Review. *Journal of Neurosciences in Rural Practice* 2022.
31. Pavuluri H, Divya KP, Thomas B et al. Primary Brain Tumours Masquerading as Autoimmune Neurological Disorders-A Possible Paraneoplastic Association? A Retrospective Case Series (P12-1.005). *Neurology India Supplement* 2022;98.
32. Divya KP, Cherian A, Prabhakaran PK, Thomas B et al. Calcific Miliary Brain Metastasis in Adenocarcinoma Lung Treated with Gefitinib. *Neurology India* 2022;70:1192.

33. Arun K, Nambiar PN, Kannath SK, Sreedharan SE et al. Prevalence of Aortic Plaques in Cryptogenic Ischemic Stroke: Correlation to Vascular Risk Factors and Future Events. *Neurology India* 2022; 70: 182.
34. Nagargoje MS, Valeti C, Manjunath N, Akhade B, Sudhir BJ, Patnaik BSV, Kannath SK et al. Influence of morphological parameters on hemodynamics in internal carotid artery bifurcation aneurysms. *Physics of Fluids* 2022; 34: 101901
35. Vishnu S, Namboodiri K, Prabhu M, Jineesh V, Anoop A, Nair K, et al. Left ventricular involvement does predicts mortality in arrhythmogenic right ventricular cardiomyopathy-a single centre observational study. *Indian Pacing and Electrophysiology Journal*. 2022;22(2):118–9.
36. Sreejith S, Rajan R, Natesan B, Sindhu R, Jineesh V, Jayadevan E. Can Empirical Segmental Angioembolization of Splenic Artery Salvage Pancreatic Intraluminal Bleed? *Indian Journal of Radiology and Imaging*. 2022;32(03):294–300.
37. George B, George E, Devdas K, Shaju A, Jineesh V. A Case Report on Direct Intrahepatic Portosystemic Shunt in Post-Traumatic Acute Budd-Chiari Syndrome: A Rare and Life Threatening Complication. *J Hepatol Gastroint Dis*. 2022;8:210.
38. Bhattacharya D, Sasikumar D, Kurup KH, Anoop A, Gaddamedi SK. Thrombosis of aneurysmal pulmonary arteries in patent ductus arteriosus with Eisenmenger syndrome. *Ann Pediatr Cardiol*. 2022 Jan-Feb;15(1):97-99

f) DEPARTMENT OF MICROBIOLOGY

1. **Raja K**, Mukhopadhyay C, Shetty AK, Chinnan JP, Sudarsana J, **Ponnambath DK**, et al. Detection and reporting of Carbapenemase producing Gram negative bacilli in Clinical Microbiology: A survey of practices in laboratories across India. **J Acad Clin Microbiol** 2022;24(2):55-62
2. **Ponnambath DK**, **Kaviyil JE**, **Raja K**, Abraham M, Thomas B. A Rare Case of Cerebellar Abscess due to *Listeria Monocytogenes* in an Elderly Patient with Ulcerative Colitis. **Neurol India** 2022;70:1692-3
3. Ramesh G, Paul W, Puthanveetil VV, **Raja K**, **Kaviyil JE**, Raman spectroscopy as a novel technique for the identification of pathogens in a clinical microbiology laboratory, **Spectroscopy Letters**, 2022; 55(8): 546-551
4. Gopika R, **Jyothi EK**, Willi P, Renjith S, Roy J, Gallium-Curcumin Nanoparticle Conjugates as an Antibacterial Agent against *Pseudomonas aeruginosa*: Synthesis and Characterization., **ACS Omega**, 2022
5. Upendran S, **Kaviyil EK**, Jose A, Puthanveetil VV, Manoj GS, Babu SG, Nath R G et al. Development of A Portable Ultraviolet Germicidal Irradiation System for Controlling Air Borne Infection. **Inter J Eng Res Tech** 2022 11(10): 96-101
6. **Ponnambath DK**, **Kaviyil JE**, **Raja K**, Kesavapisharady K, Thomas B, Narasimhaiah D, Sehgal R, Kaur U. An unusual guest in an unusual location of the brain of a rural tribal man. **J Acad Clin Microbiol** 2022;24:44-7

7. **Kaviyil JE, Ponnambath DK,** Sasidharan B, Vidyadharan P, **Raja K.** *Aggregatibacter aphrophilus*, a HACEK group pathogen as a cause of prosthetic valve endocarditis. **J Acad Clin Microbiol** 2022;24:41-3
8. Sundaram S., **Ponnambath D.K.,** Nair S.S. (2022) Microbiota-Gut-Brain Axis in Neurological Disorders. In: Thomas S. (eds) Human Microbiome. **Springer, Singapore.**

DEPARTMENT OF PATHOLOGY

Journals

1. **Poyuran R.** Pathology of surgically remediable epilepsy: How to evaluate. Indian J Pathol Microbiol. 2022 May; 65 (Supplement): S176-S188. doi: 10.4103/ijpm.ijpm_1026_21. PMID: 35562148.
2. **Narasimhaiah D,** Uppin MS, Ranganath P. Genetics and muscle pathology in the diagnosis of muscular dystrophies: An update.. Indian J Pathol Microbiol. 2022 May; 65 (Supplement): S259-S270. doi: 10.4103/ijpm.ijpm_1074_21. PMID: 35562158.
3. **Narasimhaiah D,** Mahadevan A. Role of skin punch biopsy in diagnosis of small fiber neuropathy-A review for the neuropathologist Indian J Pathol Microbiol. 2022 May; 65 (Supplement): S329-S336. doi: 10.4103/ijpm.ijpm_92_22. PMID: 35562165.
4. **Poyuran R,** Shah SP, Kesavapisharady K, Chandrasekharan K, Narasimhaiah D. Intracranial mesenchymal tumour with EWSR1 gene rearrangement: the first report of intracranial mesenchymal tumour with FET-CREB fusion from India. Pathology. 2022 Dec; 54(7): 945-948. doi: 10.1016/j.pathol.2022.02.007. Epub 2022 May 12. PMID: 35570029.
5. **Narasimhaiah Deepti,** Kesavadas Chandran, Easwer Hari Venkat, Poyuran Rajalakshmi. Primary leiomyosarcoma of dura mater with loss of ATRX protein expression. Pathol Int. 2022 Sep;72(9):465-468. doi: 10.1111/pin.13259. Epub 2022 Jul 14. PMID: 35833621.
6. **Poyuran R,** Kalaparti VSVG, Thomas B, Kesavapisharady K, **Narasimhaiah D.** Nonneoplastic and noninfective cysts of the central nervous system: A histopathological

study. *Neuropathology*. 2022 Oct 10. doi: 10.1111/neup.12867. Epub ahead of print. PMID: 36210745.

7. **Narasimhaiah D**, Nair P, Kesavadas C, Poyuran R. Rapid malignant transformation of an intracranial epidermoid cyst: Report of a case. *Neuropathology*. 2022 Dec 4. doi: 10.1111/neup.12884. Epub ahead of print. PMID: 36464491.

Book chapters

1. **Rajalakshmi P**, Shilpa Rao, Anita Mahadevan. Surgical Pathology of Intractable Epilepsy. In: Sarkar C, Santosh V, Chacko G, Mahadevan A, editors. *Essentials of Diagnostic Surgical Neuropathology*; 2nd edition. Thieme;2022: 221-228.
2. Nandeesh B N, **Deepti Narasimhaiah**, Megha Uppin. Intracranial Aneurysms. In: Sarkar C, Santosh V, Chacko G, Mahadevan A, editors. *Essentials of Diagnostic Surgical Neuropathology*; 2nd edition. Thieme; 2022: 201-204.
3. **Deepti Narasimhaiah** and Anita Mahadevan. Vascular Malformations of the Nervous System. In: Sarkar C, Santosh V, Chacko G, Mahadevan A, editors. *Essentials of Diagnostic Surgical Neuropathology*; 2nd edition. Thieme; 2022: 205-214.

DEPARTMENT OF CVTS

1. Alex A, Ayyappan A, Valakkada J, Kramadhari H, Sasikumar D, Menon S. Major Aortopulmonary Collateral Arteries. *Radiol Cardiothorac Imaging*. 2022 Feb 3;4(1):e210157. doi: 10.1148/ryct.210157. PMID: 35782757; PMCID: PMC8893210.
2. Anoop A, Valakkada J, Sasikumar D, Menon S. Repercussions of a giant major aortopulmonary collateral aneurysm adjacent to vertebral artery origin. *Ann Pediatr Cardiol*. 2022 Jan-Feb;15(1):94-96. doi: 10.4103/apc.apc_161_21. Epub 2022 Jun 14. PMID: 35847387; PMCID: PMC9280106.
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4. Ponnuru S, Radhakrishnan BK, Sudevan R, Karunakaran J. Outcomes of Coronary Artery Disease Patients with Severe Left Ventricular Dysfunction Undergoing Surgical Management. *Heart Surg Forum*. 2022 Mar 21;25(2):E204-E212. doi: 10.1532/hsf.4353. PMID: 35486065.
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6. Desai ND, Pochettino A, Szeto WY, Moser GW, Moeller PJ, Sodhi N, Jackson B, Woo E, Fairman RM, Bavaria J. Thoracic endovascular aortic repair: evolution of therapy, patterns of use, and results in a 10-year experience. *J Thorac Cardiovasc Surg*. 2011 Sep;142(3):587-94. doi: 10.1016/j.jtcvs.2011.02.050. Epub 2011 Jul 20. PMID: 21767852.

7. Ayyappan A, Valakkada J, Bursupalle MR, Kannath SK, Pitchai S. Double-barrel plugging in a recurrent aorto-enteric fistula. *Indian J Thorac Cardiovasc Surg.* 2022 Jul;38(4):422-425. doi: 10.1007/s12055-022-01342-1. Epub 2022 Mar 22. PMID: 35756567; PMCID: PMC9218023
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Department of Biochemistry

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