

Research Work

Dr Doris George Yohannan

Ongoing Projects:

- **Principal Investigator (PI)** in a project titled “Mental visualization of complex spatial anatomy using simple 3D hand gestures and eye fixation: An innovative teaching method” (Funded by **State Board of Medical Research, Kerala**)
- **Guide (Co PI)** in a Short Term Student (STS) project supported by **Indian Council of Medical Research (ICMR, Govt of India)**, titled “Transverse Venous Sinus Variations and Correlation Between its Dimensions and that of the Ipsilateral Internal Jugular Vein – A CT/MRI angiogram based study” (PI – Mr Rakesh OS, 2nd year MBBS Student)
- **Co-Principal Investigator (Co PI)** in a collaborative project titled - “Virtual reality-based solution for effective neuroanatomy teaching.” (Funded by Science & Engineering Research Board (**SERB**), **Govt of India**) [In collaboration with IIIT, Hyderabad; and SCTIMST, Trivandrum]

Completed Projects:

- **Principal Investigator (PI)** in a project titled “Impact of using Virtual Microscopy as an adjuvant to the Traditional Microscopy on first year medical students while teaching histology” (Funded by **State Board of Medical Research**) [In collaboration with a faculty member of University of Michigan, USA]

Grant

Dr Doris George Yohannan

- Recipient of ‘International Travel Support’ **travel grant award for young scientists** by the Science & Engineering Research Board (SERB), Government of India, to attend the **19th Annual Course: Neuroradiology & Functional Neuroanatomy, University College London (UCL), United Kingdom** (March, 2019)

SBMR research grant - Project mentioned above

SERB research grant – Project mentioned above

Publications

Dr Cessy Job

| Sl. No. | Title | Authorship (I /II / Corresponding author | Name of Journal | Month and Date of Publication/Acceptance | Indexing details of Journal | Whether the publication satisfy the guidelines proposed |
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|---|--|---------------|---|---------------------------|---|-----|
| 1 | Study of myocardial bridges on coronary arteries | First author | International Journal of Contemporary Medical Research | 2016 Vol 3, Issue 6 | Index Medicus, Index Copernicus | Yes |
| 2 | Study of Anterior Cerebral Artery and its variations in adult cadavers | First author | International Journal of Contemporary Medical Research | 2016 May Vol 3 Issue 5 | Index Medicus, IMSFAR, Index Copernicus | Yes |
| 3 | Microscopic study of left middle cerebral artery in different age groups | Second author | International Journal of Scientific Study | 2016 Vol 3 Issue 12 | Global Index Medicus, Index Copernicus, Google Scholar, ISI Impact factor | Yes |
| 4 | Study of variations in posterior communicating artery in human brain | Second author | International Journal of Medical Research and review | 2016 April Vol 4 Issue 4 | Index Copernicus, Universal Impact factor, Google Scholar, Open J gate | Yes |
| 5 | Average weight of brain in different age groups | Second author | International journal of current medical and applied sciences | 2016 April Vol 10 Issue 2 | Index Copernicus, Google Scholar, Directory of Science, Research Bib, DRJI, Journal Index IFSIJ | Yes |

Dr Suja RS

| Sl. No. | Title | Authorship (I /II / Corresponding author) | Name of Journal | Month and Date of Publication/ Acceptance | Indexing details of Journal | Whether the publication satisfy the guidelines proposed |
|---------|---|---|----------------------------|---|-----------------------------|---|
| 1 | Prasannakumar, Suja & Selvaraj, K.G. & Rabi, Suganthy & Holla, Sunil. (2010). Estimation of length of the ulna from the bony markers of the | first author | European journal of Anatom | 27-Jul-17 | SCOPUS | Yes |

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| | proximal end in South Indian population. European Journal of Anatomy. 14. 67-73. | | | | | |
| 2 | Suja RS, Alikunju M, Oommen AM, et al. Morphology, topography and clinical significance of primary nutrient foramina in Tibia. J Evolution Med Dent Sci 2021;10(14):999-1002, DOI:10.14260/jemds/2021/214 | First author | J.Evolution. Med.Dent.Sci | 2021 | copernicus | Yes |
| 3 | Sreedhar LSL, Sarasammal SRJ, Oommen AM, et al. Correlation of length of femur with its proximal fragments- A morphometric study. J. Evolution Med. Dent. Sci. 2017;6(70):4975-4978, DOI: 10.14260/Jemds/2017/1080 | Second author | J.Evolution. Med.Dent.Sci | aug31 2017 | copernicus | Yes |
| 4 | Sreedhar LSL, Sarasammal SRJ, Oommen AM. Microanatomic study of human pancreatic islets in alcoholics and non-alcoholics- a descriptive comparative study. J. Evolution Med. Dent. Sci. 2018;7(49):5236-5240, DOI: 10.14260/jemds/2018/1162 | second author | J.Evolution. Med.Dent.Sci | 2018 | copernicus | Yes |
| 5. | Oommen AM. Suja.R.S,Sheena.K.S | corresp0nding | Journal of the Anatomy | oc.2021 | SCOPUS | Yes |

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| | Esimaion of Femur length from is disal segmen | | cal Society of India. | | | |
| 6. | Suja R S, Swapna T, Oommen AM, Latha Sreedhar L S. A Morphometric Study Correlating Length of Femur with Fragments of its Shaft. Natl J Clin Anat 2020;9:165-8 | First author | National Journal of clinical Anatomy | Dec-20 | copernicus,DOAJ | Yes |
| 7. | Thampi S, Krishnapillai R, Murugesan R, Sarasammal SR, Govindapillai UK. Clinical significance of origin of cystic artery and its relations to Calot's triangle. Natl J Clin Anat 2021;10:35-40 | corresponding | National Journal of clinical Anatomy | Jan-21 | SCOPUS,DOAJ | Yes |

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| SI No. | Title | Authorship (I /II / Corresponding author | Name of Journal | Month and Date of Publication/Acceptance | Indexing details of Journal | Whether the publication satisfy the guidelines proposed |
|--------|---|--|------------------------------------|--|--|---|
| 1 | Yohannan, D.G.*, Reshmi, R. & Hortsch, M. The importance of the human element in teaching the anatomical sciences. Surg Radiol Anat (2022) 44: 499–500. | First author | Surgical and Radiological Anatomy. | 26-Feb-22 | PubMed; EBSCO STM Source EMBASE SCImago SCOPUS Science Citation Index Expanded (SCIE) UGC-CARE List (India) | Yes |
| 2 | 1.Yohannan DG, Oommen AM, Amogh BJ, Raju NK, Suresh RO, Nair SJ. "Air Anatomy" - Teaching Complex Spatial Anatomy Using Simple Hand Gestures. Anatomical Sciences Education. 2021 Apr 15. | First author | Anatomical Sciences Education. | 2021 Apr 15. | PubMed; Science Citation Index Expanded (Clarivate Analytics) SCOPUS (Elsevier)Web of | Yes |

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|---|---|--------------|---|------------|--|-----|
| | https://doi.org/10.1002/ase.2088 . Epub ahead of print. PMID: 33855807. | | | | Science (Clarivate Analytics) | |
| 3 | 2.Yohannan DG, Oommen AM, Umesan KG, Raveendran VL, Sreedhar LSL, Anish TSN, Hortsch M, Krishnapillai R. Overcoming Barriers in a Traditional Medical Education System by the Stepwise, Evidence-Based Introduction of a Modern Learning Technology. Medical Science Educator. 2019 Jul 1;29(3):803-817. https://doi.org/10.1007/s40670-019-00759-5 PMID: 34457545; PMCID: PMC8368117. | First author | Medical Science Educator. | 2019 Jul 1 | PubMed; SCImago SCOPUS UGC-CARE List (India) EBSCO Discovery Service Emerging Sources Citation Index | Yes |
| 4 | 3. Yohannan DG, Rajan R, Chandran AB, Krishnapillai R. An unusual origin and course of the thyroidea ima artery, with absence of inferior thyroid artery bilaterally. Surgical and Radiological Anatomy. 2019 Feb;41(2):235-237. https://doi.org/10.1007/s00276-018-2122-1 Epub 2018 Oct 25. PMID: 30361839. | First author | Surgical and Radiological Anatomy. | 2019 Feb | PubMed; EBSCO STM Source EMBASE SCImago SCOPUS Science Citation Index Expanded (SCIE) UGC-CARE List (India) | N/A |
| 5 | 4. Yohannan DG, Attumalil TV, Chandrakumari K. A lesson on 'Cardiac tamponade' from the cadaver. National Journal of Clinical Anatomy. 2021 Apr 1;10(2):105. | First author | National Journal of Clinical Anatomy | 2021 Apr | DOAJ, Scimago Journal Ranking, SCOPUS | Yes |
| 6 | 5. Yohannan DG, Alex RB, Oommen AM, Kesavadas C. Neuro-Anatomy for Oncologist. In: Mallick S., Giridhar P., Rath G.K. (eds) Evidence based practice in Neuro-oncology 2021 (pp. 9-35). Springer, Singapore. https://doi.org/10.1007/978-981-16-2659-3_2 | First author | Evidence based practice in Neuro-oncology | | Book Chapter | N/A |

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| 7 | 6. Yohannan DG, Watson RS, John NJ. 'Lost my way'- Transient topographic amnesia: A bizarre manifestation of migraine. Annals of Indian Academy of Neurology. 2018 Oct;21(4):341. DOI: 10.4103/aian.AIAN_125_18 | First author | Annals of Indian Academy of Neurology. | 2018 Oct | PubMed; DOAJ, EMBASE/ Excerpta Medica, Emerging Sources Citation Index, PubMed Central, Scimago Journal Ranking, SCOPUS, Science Citation Index Expanded, Web of Science | Yes |
| 8 | 7. Jacob JE, Cherian A, Gopakumar K, Iype T, Yohannan DG, Divya KP. Can Chaotic Analysis of Electroencephalogram Aid the Diagnosis of Encephalopathy?. Neurology Research International. 2018;2018. https://doi.org/10.1155/2018/8192820 | N/A | Neurology Research International. | 2018 | PubMed; PubMed Central; Directory of Open Access Journals (DOAJ) EBSCO Academic Source Complete; EMBASE Emerging Sources Citation Index; Scopus; Web of Science | N/A |
| 9 | 8. Yohannan DG, Chandrakumari K. Bilateral superficial brachioulnar artery in a cadaver along with bilateral absence of palmaris longus. Indian journal of plastic surgery: official publication of the Association of Plastic Surgeons of India. 2017 Jan;50(1):108. doi: 10.4103/ijps.IJPS_228_16 | First author | Indian journal of plastic surgery | 2017 Jan | PubMed; Emerging Sources Citation Index (ESCI), SCOPUS, PubMed Central, Directory of Open Access Journals (DOAJ), EBSCO, ProQuest | N/A |
| 10 | 9. Vijith VS, Jacob JE, Iype T, Gopakumar K, Yohannan DG. Epileptic seizure detection using non linear analysis of EEG. In Inventive Computation Technologies (ICICT), International Conference on 2016 Aug 26 (Vol. 3, pp. 1-6). IEEE. DOI: 10.1109/INVENTIVE.2016.7830193 | N/A | Inventive Computation Technologies (ICICT) | 2016 Aug 26 | Google Scholar | N/A |
| 11 | 10. Yohannan DG, George TP, Ramnarayan S. Asymmetric optic tracts in a case of unilateral isolated clinical anophthalmia—A rare case report and review of literature. Journal of the Anatomical Society of India. 2016 Dec | First author | Journal of the Anatomical Society of India. | 2016 Dec 1 | Emerging Sources Citation Index, IndMed, MedInd, Scimago Journal Ranking, SCOPUS, Science Citation Index Expanded | Yes |

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| | 1;65(2):177-9. doi: 10.1016/j.jasi.2017.02.001 | | | | | |
| 12 | 11. Yohannan DG, Krishnapillai R, Suresh R, Ramnarayan S, Peethambaran AK, John NJ. Can the angle between optic nerves indicate whether optic chiasm is prefixed, normofixed or postfixed? An anatomical study with radiologic and neurosurgical implications. Surgical and Radiologic Anatomy. December 2016, Volume 38, Issue 10, pp 1175–1181. doi: 10.1007/s00276-016-1676-z | First author | Surgical and Radiologic Anatomy. | Dec-16 | PubMed; EBSCO STM Source EMBASE SCImago SCOPUS Science Citation Index Expanded (SCIE) UGC-CARE List (India) | Yes |
| 13 | 12. Jacob JE, Sreelatha VV, Iype T, Nair GK, Yohannan DG. Diagnosis of epilepsy from interictal EEGs based on chaotic and wavelet transformation. Analog Integrated Circuits and Signal Processing. 2016 Oct 1;89(1):131-8. doi:10.1007/s10470-016-0810-5 | N/A | Analog Integrated Circuits and Signal Processing. | 2016 Oct 1 | SCImago SCOPUS Science Citation Index Science Citation Index Expanded (SCIE); UGC-CARE List (India) | N/A |
| 14 | 13. Yohannan DG. 'Morphology'—A misunderstood term in Anatomy in India. Journal of the Anatomical Society of India. Volume 65, Issue 1, June 2016, Pages 1-2. doi:10.1016/j.jasi.2015.11.002 | First author | Journal of the Anatomical Society of India. | June 2016 | Emerging Sources Citation Index, IndMed, MedInd, Scimago Journal Ranking, SCOPUS, Science Citation Index Expanded | N/A |
| 15 | 14. Yohannan DG, Krishnapillai R, Suresh R, Ramnarayan S. A Morphometric Study of the Foramen of Diaphragma Sellae and Delineation of Its Relation to Optic Neural Pathways through Computer Aided Superimposition. Anatomy research international. 2015 Sep 13;2015. PMID: PMC4584028 Published online 2015 Sep 13. doi: 10.1155/2015/618042 | First author | Anatomy research international. | 2015 Sep 13 | Google Scholar; Portico | Yes |

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| 16 | 15. Yohannan DG, Ravindran VL. Bifurcation of axillary artery—an unusual case. International Journal of Anatomical Variations (IJAV). 2013;6:161-4. www.ijav.org/2013/ijav_2013_161-164.pdf | First author | International Journal of Anatomical Variations | 2013 | Google Scholar; EBSCOhost Geneva Foundation for Medical Education and Research Publons | Yes |
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