

**e. Research Publications (2018)**

<b>Sl.No</b>	<b>Department</b>	<b>Total</b>
1	Anatomy	2
2	Anaesthesia & Critical care	1
3	Biochemistry	4
4	Community Medicine	10
5	ENT	3
6	Forensic Medicine	2
7	Medicine	13
8	Microbiology	20
9	Obstetrics & Gynaecology	2
10	Orthopaedics	1
11	Pathology	4
12	Physiology	15
13	Psychiatry	1
14	Skin and STD	1
15	Surgery	9
	<b>Total</b>	<b>88</b>

## Department of Anatomy

1. **IIVENIL K, NALINAKUMARI SD**, Kalavathy Ponniraivan. Effect of increases prepregnancy body mass index on placental morphologic features in gestational diabetes. *Journal of Clinical and Diagnostic Research* 2018; 12(7): AC13-AC17.
2. **IIVENIL K, NALINAKUMARI SD**, Kalavathy Ponniraivan. Altered placental histological features in lean and obese gestational diabetic pregnancies. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 2018; 9(4): 1459-1467.

## Department of Physiology

1. Jeyavishnupriya G, **RAJAJEYAKUMAR M**, Gnanavel Raja C, Puhalethi K. Introduction of a Pre-Medical Course Study Programme to Undergraduate Medical Curriculum – Students' Perspective, Trichy, India. *International Journal of Physiology* 2018; 6(4): 58- 61.
2. Karthikeyan M, Soundararajan L, Srinivasan M, Prabhakaran R, Srinivasan UP, Naganathbabu OL, **RAJAJEYAKUMAR M**. Mirizzi syndrome with type F bile duct anomaly – a rare case report. *Medical Journal of Clinical Trials and Case studies* 2018; 2: 000165.
3. Bijli N, Manasa B, Omna C, **RAJAJEYAKUMAR M**, Raj Kapoor. Incorporating e-learning as a tool for medical education in India: Investigating student perspectives. *Journal of Education Technology in Health Sciences* 2018; 5: 25-30.
4. **RAJAJEYAKUMAR M**. Alternative and Integrative Medicine. *Alternative and Integrative Medicine* 2018; 7: 2.
5. Jeyakeerthi S, Subbulakshmi M, **NIRANJANA D, RAJAJEYAKUMAR M**, Jenitha. Barriers to perform early screening and practice of breast self examination among high risk young adults. *Biochemistry and Physiology* 2018; 7: DOI: 10.4172/2168-9652.
6. Sharma VK, Dinesh T, **RAJAJEYAKUMAR M**, Grrishma B, Bhavanani AB. Impact of fast and slow pranayam on cardiovascular autonomic function among healthy young volunteers: randomized controlled study. *Alternative and Integrative Medicine* 2018; 7: DOI: 10.4172/2327-5162.
7. **MUHIL M**, Priyanka D, Umapathy S, Thirumalaikolundusubramanian P. Association of rate pressure product and cardiovascular risk in type 2 diabetes mellitus. *ISR Journal of Dental and Medical Sciences* 2018; 17(12): 13-16.
8. Hemalatha K, Sivakumaran N, **RAJAJEYAKUMAR M**. Human machine interfacing technique for diagnosis of ventricular arrhythmia using supervisory machine learning algorithms. *Concurrency Computational Practice and Experiments* 2018; e5001: 1-14.
9. Dinesh T, **RAJAJEYAKUMAR M**, Sasikala S. Effect of 12 weeks of slow breathing exercise practice on anthropometric parameters in healthy volunteers. *National Journal of Physiology, Pharmacy and Pharmacology* 2018; 8(12): 1650-1653.

10. Dinesh T, Dineshkumar E, **Rajajeyakumar M**, Charumathi V. Effect of short term breathing exercise training on perceived stress and stroop effect in chronic smartphone users. *International Archives of Integrated Medicine* 2018; 5(11): 1-7.
11. **Rajajeyakumar M**. Problem in medical students and academicians – a proposed solution for current and future medical education. *International Journal of Health Sciences and Research* 2018; 8(4): 1-2.
12. Karthickraja V, Velmurugan D, Muralimagesh V, Srivardhini GR, Karishma P, **Rajajeyakumar M**. Anesthetic challenges for laparoscopic bilateral adrenalectomy in a rare case of Cushing's syndrome – a case report. *Medical Journal of Clinical Trials and Case studies* 2018; 2(11): 000189.
13. **Muhil M**, Umapathy S, Priyanka D, Guru T. Arun. Correlation of ultra sonographic screening of umbilical cord parameters and adverse birth outcome in gestational diabetes mellitus. *IOSR Journal of Dental and medical Sciences* 2018; 17(6): 1-6.
14. **Rajajeyakumar M**. Why basic research interest is reduced among undergraduate medical students? – short review. *International Journal on Innovative Studies in Medical Sciences* 2018; 2(1): 1-3.
15. Sonia A, **Rajajeyakumar M**. Early diagnosis and prevention of repetitive strain injury induced carpal tunnel syndrome among computer users. *Clinical and Experimental Psychology* 2018; 4(1): 188.

#### **Department of Biochemistry**

1. **Velayutharaj A**, Muthumani L, Senthilnathan R, Rajendran SM, Shivakumar R, Saraswathi R. Significance of secreted frizzled related protein 4 (SFRP4) in type 2 diabetic and non diabetic subjects in the rural agricultural population who are exposed to pesticides for the prediction of diabetes mellitus. *International Journal of Current Research and Review* 2018; 10(6): 7-9.
2. Thathiya M, **Thamarai R**, Sivakumar K. Evaluation of serum cholinesterase levels in patients with chronic liver diseases. *International Journal of Scientific Research* 2018; 7(7): 24-26.
3. Gowarthan S, **Kalavathy P**, **Thamarai R**. Umbilical cord blood gas analysis in preterm infants and its comparison with Apsar score. *Scholarly Journal of Applied Medical Sciences* 2018; 6(4): 1548-1552.
4. **Thamarai R**, Kalavathy P, Hemalatha K, Kalavathy S, Sivakumar K. Assessment of degree of awareness about diet, physical exercise and lifestyle modifications among diabetic patients. *International Journal of Medical Science and Public Health* 2018; 7(6): 481-486.

### Department of Pathology

1. **Jayashree GP, Suganya R,** Gurudatta SP, Rajaejyakumar M. Case study: ectopic molar pregnancy – is it an iceberg phenomenon. *Clinical and Experimental Pathology* 2018; 8(4): 1-3.
2. **Priya Banthavi S, Suganya R.** The change in the trend of thyroid cytopathology – a retrospective observational study. *IP Archives of Cytology and Histopathology Research* 2018; 3(1): 17-19.
3. **Pramila R,** Sridharan K, **Akila R.** Solitary duodenal somatostatinoma – glandular endocrine tumour – a case study. *International Journal of Pharma Research and Health Sciences* 2018; 6: 2105 – 2108.
4. **Priya Banthavi S, Suganya R,** Manimegalai S, **Sarada S,** Balasubramanian N. A clinic-pathological correlation study of the spectrum of non-infectious scaly skin lesions. *Journal of Medical Science and Clinical Research* 2018; 6: 652-655.

### Department of Microbiology

1. Pramila M, **Prabhusaran N,** Meenakshisundaram M, Lalithambigai R, Karthik P. Antibacterial analysis of *Ocimum sanctum* mediated silver and copper nanoparticles. *International Journal of Allied Medical Sciences and Clinical Research* 2018; 6: 827-837. ISSN: 2347-6567.
2. **Radhakrishna L, Prabhusaran N.** Antibiotic residues in waste water of rural and urban hospitals from South India. *Australian Journal of Applied Biology and Medical Sciences* 2018; 1: 25- 38.
3. **Prabhusaran N,** Pramila M, **Anupriya A.** Think before use; sterility checking of culture plates. *GSC biological and Pharmacuetical Sciences* 2018; 5: 82-86.
4. Pramila M, **Prabhusaran N,** Meenakshisundaram M, **Lalithambigai R,** Karthik P. Characterization of *Azadirachta indica* Mediated Copper and Silver Nanoparticles – A Comparative Approach. *Ann. Int. Med. Den. Res.* 2018; 4(6): MB01-MB06.
5. **Prabhusaran N,** Sampath G, Sridharan M, **Uma A,** Pramila R. Prevalence and risk factors of *Helicobacter pylori* infection among gastric biopsies in Tiruchirapalli – one year hospital based study. *European Journal of Pharmaceutical and Medical Research* 2018; 5(9): 311-317.
6. **Prabhusaran N,** Prabhakar YK, Pramila M, Natarajaseenivasan K, Joseph PID. Comparative analysis of immunological markers of leptospirosis and other bacterial infections among normal, high risk and unclassified categories of human flow in hospitals. *The Journal of Medical Research* 2019; 4(3): 140145.
7. **Prabhusaran N,** Ganeshkumar A, Pramila M, Revathi R, Rajaram R. Old wine in a new bottle – focus on candidial vaccine. *Investigation in Gynecology Research and Womens Health* 2018; 2(2); 1-3.

8. Pramila M, Meenakshisundaram M, **Prabhusaran N, Lalithambigai J**, Karthik P. Evaluation of antibacterial potential of silver nitrate – an in vitro approach. Saudi Journal of Pathology and Microbiology 2018; 3(7): 211-214.
9. Pramila M, Meenakshisundaram M, **Prabhusaran N, Lalithambigai J**, Karthik P. Evaluation of wound biofilm forming bacterial pathogens by crystal violet binding assay. Asian Journal of Multidimensional Research 2018; 7: 200-207.
10. Pramila M, Meenakshisundaram M, **Prabhusaran N, Lalithambigai J**, Karthik P. *In vitro* antibacterial analysis of copper solution (microparticle) – a novel anti-infective molecule for wound management. IOSR Journal of Dental and Medical Sciences 2018; 17: 22-26.
11. Pramila M, Meenakshisundaram M, **Prabhusaran N, Lalithambigai J**, Karthik P. Post-operative wound infection: isolation, characterization and in vitro antibiotic susceptibility analysis. The Pharma Innovation 2018; 7: 169-175.
12. **Prabhusaran N**, Pramila M, Prabhakar YK. Isolation and identification of *Salmonella* from poultry meat samples – a major food borne zoonotic disease. Indian Journal of Applied Research 2018; 8: 95-97.
13. **Prabhusaran N**, Manivannan L, Pramila M, Prabhakar YK. Knowledge, attitude and practice of personal hygiene, cleaning and sanitation during food processing. European Journal of Pharmaceutical and Medical Research 2018; 5: 455-461.
14. Aninditha G, **Prabhusaran N**, Lakshmi K, **Uma A**. Analysis of bacteriological profile of street vended foods and understand the practice of food handling hygiene among vendors. International Journal of Recent Scientific Research 2018; 9: 27394-27399.
15. **Anupriya A**, Priya Banthavi S, Vasudevan, Pramila, **Uma A**. Seroprevalence of transfusion transmitted infections among healthy blood donors: a five year tertiary care hospital experience. Scholars Journal of Applied Medical Sciences 2018; 6(3): 1223- 1226.
16. **Anupriya A**, Puhalenth K, Jeya Keerthi S, Prethi R, Hemasri V. Microbial contamination of mobile phones in a tertiary care hospital. International Journal of Community Medicine and Public Health 2018; 5(6) 2313-2316.
17. Shiva S, **Prabhusaran N**, Jeyaseelan TS, Revathi P, Natarajaseenivasan K, Joseph PID. Serum levels of copper in human leptospirosis cases. Annals of International Medical and Dental Research 2018; 4: 4 -8.
18. Mani M, Revathi P, **Prabhusaran N**, Pramila M. *In vitro* antitoxin activity of aqueous extracts of selective medicinal herbs against Naja naja venom. The Pharma Innovation Journal 2018; 7: 585-589.
19. Pramila M, **Prabhusaran N**, Karthik P, **Lalithambigai J**, Meenakshisundaram M, Ganeshkumar A. An overview of factors influencing the occurrence of post operative wound infection. World Journal of Pharmaceutical and Medical Research 2018; 4: 57-66.
20. **Prabhusaran N**, Ganeshkumar A, Pramila M, Natarajaseenivasan K, Joseph PID. Comparative analysis of *in vitro* antimicrobial activity of 5-Fluorouracil and 5- Bromouracil. European Journal of Biomedical and Pharmaceutical Sciences 2018; 5: 451-455.

## Department of Community Medicine

1. Murugaprakash B, **Prabha T**. Lesson learn from a missed case of scrub typhus: an interesting care report. *Journal of NTR Univeristy Health Sciences* 2018; 7: 298-300.
2. **Raghuram V**. World Breastfeeding week – Genesis and progress. *Annals of Community Health* 2018; 6(2): 1.
3. **Shankar S, Raghuram V**, Krishnakumar M, **Elango S**. A study on assessing the knowledge, attitude and practice among the victims of animal bites in Trichy, Tamilnadu. *National Journal of Research in Community Medicine* 2018; 7(1): 47-51.
4. **Prabha T**, Nandhini K, Nanthagopal D, Naveena R, Niranjana PS. Assessment of cardiovascular risk among adults attending a rural health centre using WHO/ISH risk prediction chart. *National Journal of Research in Community Medicine* 2018; 7(2):73-76.
5. **Elango S, Prabha T**, Gayathri KG, Gopinath K, Haresharan S. Preferred mode of drug administration among patients visiting primary health centres attached to medical college, Trichy. *International Journal of Community Health and Medical Research* 2018; 4(1): 37- 43.
6. **Prabha T**. Falls among elderly and its relation with their health problems and surrounding environmental factors in Riyadh. *Journal of Family and Community Medicine* 2018; 25(3): 222-223.
7. **Prabha T**, Thomas VC. Process audit on quality of out-patient records using WHO chart audit as a tool or training interns and improving quality of service delivery in an urban health training centre. *Journal of Education Technology in Health Sciences* 2018; 5(1): 15-19.
8. **Hemalatha K**, Parthiban E, Parthiban K, Parkavi S, **Elango S**. Practices towards prevention of food borne diseases among females in rural area of Trichy, India. *International Journal of Research in Medical Sciences* 2018; 6(6): 2032-2035.
9. **Elango S**, Ramya AB, Renita A, Ramana M, Revathy S, Rajajeyakumar M. An analysis of road traffic injuries in India from 2013 – 2018: a review article. *Journal of Community Medicine and Health Education* 2018; 8: 601-608.
10. **Shankar S, Raghuram V**, Abivignesh PG, Aashika C, Ponsaranya P, Manojkumar R, **Elango S**. A study to assess the knowledge, attitudes and practices regarding dengue transmission in the field practice areas of a medical college in Trichy. *National Journal of Research in Community Medicine* 2018; 7(1): 10-14.

### Department of Forensic Medicine

1. **Dominic Infant Raj A**, Senthilkumar V, Venkatesha VT, Gurudatta SP, Bala Maddileti. Pattern of injuries in homicidal victims in South Bangalore. Journal of Indian Academy of Forensic Medicine 2018; 40: 392-5.
2. **Dominic Infant Raj A**, Naveenkumar T, Senthilkumar V, Venkatesha VT, Ashutosh BP. Socio-demographic study of victims of homicide in South Bangalore. Medicolegal Update 2018; 18: 1-7.

### Department of Medicine

1. Senthilkumaran S, Balamurugan N, Jena NN, **Thirumalaikolundusubramanian P**. Locked-in syndrome in post snake bite: can it be unlocked? Tropical Doctor 2018; 48: 257.
2. Bazila BA, **Thirumalaikolundusubramanian**. Comparison of Bayes classifiers for breast cancer classification. Asian Pacific Journal of Cancer Prevention 2018; 19: 2917- 2920.
3. Senthilkumaran S, Menezes RG, Hussain SA, Luis SA, **Thirumalaikolundusubramanian P**. Russell's viper envenomation – associated Addisonian crisis. Wilderness and Environmental Medicine 2018; 132: 1-4.
4. **Nallathambi N, Sivakumar K**, Jibin Joshua, Ambedkar Raj K, Thamarai R. Mean platelet volume (MPV) in non-alcoholic fatty liver disease (NAFLD) patients. Global Journal for Research Analysis 2018; 7(11): 71-73.
5. Ramakrishnan K, Shenbagarathai R, Thiyagarjan V, Kavitha K, Uma A, **Thirumalaikolundusubramanian P**, Rathinasabapati R. Bacterial isolates of lower respiratory tract infection among subjects with and without HIV from South India. International Journal of Biological and Medical Research 2018; 9(3): 6438-6440.
6. **Sivakumar K, Nallathambi N**, Pavithra R, Thamarai R. Association between alcohol intake, obesity with liver enzyme levels. International Journal of Scientific Research 2018; 7(7): 67-9.
7. **Sivakumar K**, Thamarai R, Kalavathy S. Hyponatremia in patients admitted with stroke. Journal of Clinical and Diagnostic Research 2018; 12(8): OC34-OC-36.
8. **Sivakumar P**, Moonishaaa TM, Neethu G. Study of glycemic gap in hyperglycemic emergencies of type 2 diabetes mellitus. International Journal of Research in Medical Sciences 2018; 6: 1151-1155.
9. Senthilkumaran S, Senthilraj MP, Narendra NJ, **Thirumalaikolundusubramanian P**. Methaemoglobinaemia: recognition and realization at bedside. Indian Journal fo Anesthesia 2018; 62: 475.
10. Senthilkumaran S, Narendra NJ, Srinivasan J, Benita F, **Thirumalaikolundusubramanian P**. Post coital hemoperitoneum: the pain of Love. Turkish Journal of Emergency Medicine 2018; 18: 80-81.

11. Pramila M, **Arya Chandran S**, Prabhusaran N. Analysis of quality of life expectancy among geriatric population in Tamilnadu, India. International Journal of Pharma Research and Health Sciences 2018; 6: 2178 – 2183.
12. **Sivakumar P**, Prabhu R, Moonishaaa TM. Hypokalemic paralysis and its correlation on biochemical parameters. International Journal of Medical and Health Research 2018; 4: 10-13
13. Senthilkumaran S, Balamurugan N, Karthikeyan N, **Thirumalaikolundusubramanian** Rabies treatment: are we anywhere close to cure? Indian Journal of Critical Care Medicine 2018; 22: 199-200.

#### **Department of Psychiatry**

1. **Sivaraman S**, Vijay B, Ismail M, Thirumalaikolundusubramanian P. Personality profile among different blood groups. Journal of Evolution of Medical and Dental Sciences 2018; 7: 6808-6811.

#### **Department of Skin and STD**

1. **Deivam S**, Hemalatha K. Late detection of human immunodeficiency status: an urgent need to promote early diagnosis. International Journal of Medical Sciences and Public Health 2018; 7: 53-57.

#### **Department of Obstetrics and Gynaecology**

1. **Vanathi N, Saranya B**. Comparison of 25 microgram of sublingual misoprostol with 25 microgram vaginal misoprostol for induction of labour at term. Indian Journal of Obstetrics and gynecology 2018; 6(1): 65-70.
2. Vijay MA, **Vanathi N**, Gurumoorthi R. A prospective comparative study of intrathecal low-dose bupivacaine 5mg (1ml) plus fentanyl 25µg (0.5ml) with intrathecal low-dose bupivacaine 5mg (1ml) plus normal saline (0.5ml) for perineal daycare surgery. Journal on Recent Advances in Pain 2018; 4(1): 6-9.

#### **Department of Surgery**

1. **Murugan R, Padma S, Senthilkumaran M**. Risk factors deciding the prevention and healing of diabetic foot ulcer: a prospective study in Chennai Medical College Hospital and Research Centre, Irungalur, Trichy, Tamilnadu, India: a rural based tertiary medical care centre. International Surgery Journal 2018; 5: 1770-1775.
2. **Anuj RS, Rajachidambaram K, Karthick P, Vijay Anand M**. A hospital based study on the surgical outcomes of thyroid malignancies. International Surgery Journal 2018; 5: 4035-4039.
3. **Padma S**, Pramila R. Pattern of lower gastrointestinal diseases by colonoscopy and histopathological examination: a retrospective study. International Journal of Current Research and Review 2018; 10: 20-25.



4. **Padma S, Murugan R.** Indications and yield of Colonoscopy – a retrospective study at Chennai Medical College Hospital and Research Centre - Irungalur, a Rural Tertiary Care centre in South India. *International Journal of Current Research and Review* 2018; 10: 29-33.
5. **Padma S, Murugan R.** Disease pattern by upper gastro intestinal endoscopy in rural areas of Tiruchirapalli district carried out at CMCH&RC Irungalur - retrospective study and comparative analysis with other contemporary studies in India. *International Surgery Journal* 2018; 5: 965.
6. **Murugan R, Padma S, Senthil Kumaran M.** Interval Appendicectomy Vs Conservative Management alone - a therapeutic dilemma - a retrospective comparative study at Chennai Medical College Hospital & Research Centre – Irungalur, a rural tertiary care centre in South India. *International Journal of Current Research and Review* 2018; 10: 1-6.
7. **Muthalai Chamy D, Naveetha Lakshmi, Raja Chidambaram K, Karthick P.** A prospective study of association between serum TSH concentration and thyroid cancer. *International Journal of Scientific Research* 2018; 7: 270-271.
8. **Tamil Selvan S, Raja Chidambaram K, Manoj SK, Gowtham.** Patient controlled analgesia (PCA) using non-opioid analgesics after primary thyroid surgery - an endocrine surgical unit experience. *International Journal of Scientific Research* 2018; 7: 16-18.
9. **Tamil Selvan S, Raja Chidambaram K, Manoj SK, Gowtham.** Traditional scrotal support after inguino scrotal hernia repair - a historical ritual or a scientific myth. *Global Journal of Research Analysis* 2018; 7: 26-27.

#### **Department of Orthopaedics**

1. **Noordeen S, Samynathan G, Bharath R.** Is the clavicle fractures fixed with plates and screws really improves the functional outcomes a prospective study. *International Journal of Orthopedics Sciences* 2018; 4(3): 282-286.

#### **Department of ENT**

1. **Anwar MM, Jesudoss AC, Sowmya PG, Thirumalaikolundusubramanian P, Ismail M.** Morbidity profile of paediatric otorhinolaryngological disorders in a rural teaching hospital. *International Journal of Otorhinolaryngology and Head and Neck Surgery* 2018; 4: 1359-1365.

#### **Department of Anaesthesia and Critical Care**

1. **Pravin Kumar G, Kirubahar R, Vijay Kanna M.** Efficacy and safety of two different doses of intrathecal calcitonin, a randomized controlled study. *Int J Res Med Sci* 2018; 6: 682-687.