



**TRICHY SRM MEDICAL COLLEGE HOSPITAL AND RESEARCH CENTRE**  
**IRUNGALUR, TRICHY – 621 105**  
**ONGOING RESEARCH PROJECTS**

**DEPARTMENT OF ANATOMY**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Research Topics</b>
1.	Dr. C. Gnanavelraja, Associate Professor	Status of uncinat process in patients with sinusitis: computer assisted Anatomical and clinical study.
2.	Dr.Umapathy Sembian, Associate Professor	A study of opinion among medical students from I st year to CRRIs regarding the importance of cadaveric dissection with virtual dissection methods.
3.	Dr.Umapathy Sembian, Associate Professor	A Study of attitude and stigma among general public regarding cadaver [Body] donation.
4.	Dr. Umapathy Sembian Associate Professor	Arch of foot in different population
5.	Ms. K. Subashini, Tutor	Students attitude towards dissection.
6.	Dr. E. Kamala, Assistant Professor	Students centered gross anatomy teaching for I MBBS students using flipped class room.
7.	Dr.Umapathy Sembian, Associate Professor	A study to evaluate the effectiveness of teaching and learning anatomy using traditional methods versus other methods.
8.	Dr. C. Gnanavelraja Associate Professor	The relationship between parenting styles and academic achievement of school going children-A questionnaire study
9.	Ms. K. Subashini, Tutor	Topographical analyze of Palmaris longus muscle with its relation of antebrachial fascia and palmar aponeurosis-cadaveric study.
10.	Dr. Umapathy Sembian, Associate Professor	A community based survey on menstrual hygiene among young school going girls in samayapuram , trichy.
11.	Dr. SD. Nalinakumari, Professor	Calibration of existing pedicle screw dimensions with actual CT images dimensions of thoracic and lumbar vertebrae.
12.	Dr. TS. Gugapriya, Associate Professor	Evaluation of change in professionalism after implementing guided reflection among final year medical students.
13.	Dr. E. Kamala, Assistant Professor	A comparison of critical incident reporting to interviews in enhancing professionalism in Medical graduates.
14.	Dr. Umapathy Sembian, Associate Professor	A study of health profile of under five slum of Samayapuram
15.	Ms. Jeyavishnupriya, MBBS student	A study to analyze the introduction of a pre medical course study programme to UG medical curriculum students and faculty perspective
16.	Dr. G. Venkatesh, Postgraduate	Is direction of nasal spetal deviation a predictor of sphenoid septal position? - a computerized tomographic analysis
17.	Dr. E. Kamala, Assistant Professor	Awareness and willingness in eye, organ and body donations among medical students
18.	Dr. E. Kamala, Assistant Professor	Radiological assessment patterns and thickness of body roof of superior semicircular canal
19.	Dr. TS. Gugapriya, Associate Professor	An analysis of magnetic resonance venographic drainage pattern of intracranial venous sinuses

20.	Dr. G. Venkatesh, Postgraduate	Pedal radiological analysis of meta tarsal combined cortical thickness
21.	Dr. MS. Divya, Postgraduate	Computer tomographic study of interperpendicular distance in the South Indian population
22.	Dr. Kavipriya, Postgraduate	A radiological study of lumbosacral angle in normal population
23.	Ms. K. Swetha, MBBS student	Impact of belly fat on waist hip ratio: correlation of body somatotype with personality among college students
24.	Ms. S. Selli, MBBS student	Is salivary alpha amylase level altered in college students with complaints of chronic stress induced gastrointestinal disturbances?
25.	Mr. R. Sunil Kumar, MBBS student	How competent are interns and junior residents? Comparison of self assessment and observer assessment of performance and interpretation of an electrocardiogram (ECG)
26.	Ms. P. Akshara, MBBS student	A study of urinary incontinence: awareness and care seeking behaviours among women of reproductive age group and its impact on quality of life
27.	Dr. M. Rajesh kumar Postgraduate	A Magnetic resonance study of synovial plicae in knee joint
28.	Dr. P. Sankar Ganesh Postgraduate	A Radio-Morphological study of trochlea and Sulcus Angle of knee joint
29.	Dr. M. Rajesh kumar Postgraduate	Tissue expression of matrix metalloproteinase in fetal and adult cornea
30.	Dr. P. Sankar Ganesh Postgraduate	Matrix metalloproteinases expression in chronologically heterogeneous knee articular cartilage and menisci

### **DEPARTMENT OF ANESTHESIA**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Research Topics</b>
1.	Dr. B. Sundari, Senior Resident	The effect of intramuscular dexmedetomidine as premedication in elective laparoscopic surgeries, a prospective randomized controlled study
2.	Dr. Siva Shanmugam, Senior Resident	A comparative study between intravenous dexmedetomidine and intravenous esmolol in attenuating hemodynamic stress response to laryngoscopy and intubation
3.	Dr. Gurumoorthy, Senior Resident	Optimization of new economic method of platelet rich plasma preparation by modifying syringe used for blood collection.

### **Department of Biochemistry**

<b>S. No</b>	<b>Name of Faculty/ Student</b>	<b>Research Topics</b>
1	Dr. Rasheed Khan, Assistant Professor	Serum calcium, phosphorus and magnesium status in hypothyroid patients attending tertiary care hospital
2	Dr. S. Kalavathy, Tutor	Relationship between depression and thyroid dysfunction in patients attending a tertiary care hospital

3	Dr. T. Jayakala, Postgraduate	A study on eGFR, protein – creatinine ratio, thyroid and lipid profile on assessing risk factor for renal dysfunction
4	Dr. Kalavathy Ponniraivan, Professor	A study on correlation between BMI Blood Pressure and lipid Profile in young adults
5	Dr. Kalavathy Ponniraivan, Professor	Estimation of CRP to assess the risk for CAD in Type II diabetes.
6	Dr. Kalavathy Ponniraivan, Professor	Value of measurements of systolic blood pressure for control of hypertension
7	Dr. Kalavathy Ponniraivan, Professor	Measurement of thigh circumference to assess the risk of adverse coronary events.
8	Dr. R. Thamarai, Associate Professor	Electrolyte status among newly detected cerebrovascular accidents
9	Dr. R. Thamarai, Associate Professor	Analysis of incomplete biochemistry requisition forms
10	Dr. R. Thamarai, Associate Professor	A Study of Antimullarian hormone in normoovulatory women and women with polycystic ovarian syndrome.
11	Dr. Kalavathy Ponniraivan, Professor	Estimation of high sensitivity C-reactive protein and Lipoprotein[a] in patients with chronic obstructive
12	Dr. Kalavathy Ponniraivan, Professor	A study of metabolic syndrome in Psoriatic patients.
13	Dr. Kalavathy Ponniraivan, Professor	A study on Thyroid profile status in Type 2 Diabetes mellitus
14	Dr. Kalavathy Ponniraivan, Professor	A study on preadmission factors on the academic performance of Medical students during their
15	Dr. R. Thamarai, Associate Professor	Identifying the learning techniques of high achievers of 1st year Medical Students.
16	Dr. A. Sundhararajan, Tutor	Assessment of practical skills of I MBBS students on their performance
17	Dr. R. Thamarai, Associate Professor	Relationship of sitting time and physical activity with metabolic risk factors among middle aged doctors in
18	Dr. Rasheed Khan, Assistant Professor	Renal health among the patients attending tertiary care hospital
19	Mr. P. Vigneshwar, MBBS Student (Dr. A. Velayutharaj, Assistant	Evaluation of vitamin D levels and glycemic control in T2DM patients
20	M.s B. Swetha, MBBS student (Dr. R. Thamarai, Associate Professor)	A study of clinical biochemistry laboratory specimen rejection rates due to various types of preanalytical errors
21	Mr. S. Chidharthan, MBBS student (Dr. M. Rasheed Khan, Assistant	Study of serum magnesium level in T2DM and its correlation with modality of treatment
22	Ms. S. Reena, MBBS student (Dr. TM. Moonishaa, Assistant Professor)	Serum albumin levels and hyperglycemic emergencies in T2DM patients: a cross sectional study
23	Dr. T. Jayakala, Postgraduate	Diagnostic and prognostic value of high sensitivity cardiac troponin T in acute coronary syndrome
24	Dr. S. Kalavathy, Tutor	Alanine aminotransferase (ALT) and aspartate transaminase (AST) levels in asymptomatic fatty liver disease among patients with T2DM

25	Dr. S. Santhini, Postgraduate	A thyroid function in postmenopausal women in a Tertiary Care Hospital.
26	Dr. M. Rasheed Khan, Assistant Professor	Study of lipid profile & obesity among the Medical Students in Trichy SRM Medical College Hospital and Research Centre
27	Dr. B. Ramya, Postgraduate	A study on the pattern of Dyslipidemia in subclinical hypothyroidism, among rural population attending Tertiary Care Hospital
28	Dr. S. Santhini, Postgraduate	A study on association of Glycated Hemoglobin (HbA <sub>1</sub> C) and lipid profile among young adults at risk
29	Dr. K. Durga Sowmithri, Postgraduate	A study on the effect of hemodialysis on urea reduction ratio (URR), serum electrolytes, calcium & phosphorus in patients who are on maintenance hemodialysis.
30	Dr. M. Muthu Uma Maheshwari, Postgraduate	A study of association of High sensitivity C-reactive protein, Gamma glutamyl transferase with Body mass index, HbA <sub>1</sub> c and dyslipidemia in metabolic syndrome.
31	Dr. P. Nivedha, Postgraduate	A study on the predictive value of serum ferritin and uric acid as non invasive biomarkers for hepatic fibrosis in non alcoholic fatty liver disease (NAFLD)

#### **DEPARTMENT OF COMMUNITY MEDICINE**

<b>S. No</b>	<b>Name of the Faculty/ Student</b>	<b>Research Topics</b>
1	Dr. K. Hemalatha, Associate Professor	Pattern of Health care utilization and out of pocket expenditure
2	Dr. K. Hemalatha, Associate Professor	Assessment of disability and of Lymphatic filariasis patients.
3	Dr. K. Hemalatha, Associate Professor	Knowledge and attitude of adolescent college students on HIV/AIDS
4	Dr. K. Hemalatha, Associate Professor	Morbidity management-Knowledge and practice among patients attending filariasis control clinic.
5	Mr. S. Giridharan, MBBS Student (Dr. S. Sankar, Assistant Professor)	Respiratory morbidity and ventilator function impairment among cement factory employees
6	Mr. M. Mohammed Marzuk, MBBS student (Dr. K. Hemalatha, Associate Professor)	Assessment of health problems and social issues among the brine workers of salt manufacturing units in Vedaranyam taluk of Tamilnadu
7	MS. S. Rathee Shree, MBBS student (Dr. K. Hemalatha, Associate Professor)	Current practice of e-waste disposal: knowledge about e-waste and its impact on environment
8	Dr. Prabha Thangaraj, Assistant Professor	TB notification and barriers among private Medical practitioners in Trichy.
9	Ms. Aninditha Guraza, CRRI	Association of stroke with its risk factors: A case control study
10	Mr. Akhil Basil Babu, CRRI	Analysis of the sociodemographic profile, cause and economic burden of CKD among patients in a Tertiary Care Hospital in Trichy

11	Ms. S. Cynthiya Arputham, CRRI	To study the health expenditure among individuals with diabetes and hypertension
12	Dr. Charumathi Elango, CRRI	A Study on the side effects of Smartphone addiction among medical students of Trichy SRM Medical College Hospital and Research Centre
13	Mr. Rahul Rajeev, CRRI	A study assessing the Health and Economic security among migrants in field practice area of Medical College Hospital
14	Mr. R. Manodharsan, CRRI	A study on cost spent by individual on smoking and awareness on smoking with their socioeconomic profile in a rural health centre in Trichy district
15	Ms. P. Archana, CRRI	Comparison of smoking uses among medical and non medical students
16	Dr. Prabha Thangaraj, Assistant Professor	Impact of Swachh Bharat summer Internship by Medical Students at a village in Tamil Nadu

### **Department of Dermatology, Venerology and Leprology (DVL)**

<b>S. No</b>	<b>Name of Faculty</b>	<b>Research Topics</b>
1	Dr. R. Rajalakshmi, Assistant Professor	Socio-Demographic profile of patients with neurodermatitis
2	Dr. R. Rajalakshmi, Assistant Professor	Cutaneous manifestations in patients with renal disorder.
3	Dr. S. Deivam, Professor	Prevalence of HIV infection among psoriasis cases.
4	Dr. S. Priyadharshini, Senior Resident	Autologous serum skin testing in chronic urticaria
5	Dr. S. Priyadharshini, Senior Resident	Estimation of serum Vitamin D levels in psoriasis patients.
6	Dr. S. Priadharshini Senior Resident	Autologous serum vitamin D levels in psoriasis patients
7	Dr. S. Priadharshini Senior Resident	Evaluation of impact of integrated teaching and perception of faculty and students.
8	Dr. S. Deivam, Professor	Influence of education and aocial stauts over the acceptance of HIV status by a person – questionnaire survey

## Department of ENT

S. No	Name of Faculty	Research Topics
1	Dr. Anwar, Associate Professor	Random audiometric analysis of hearing loss in age group between 15-40 years without any specific ENT complaints
2	Dr. Anwar, Associate Professor	Incidence of Sensory neural hearing loss in patients suffering from chronic suppurative otitis media with cholesteatoma
3	Dr. Anwar, Associate Professor	Impedance measured in asymptomatic paediatric population in the age group of 5-12 years.
4	Mr. M.K. Lukman, MBBS student	Random audiometric analysis of hearing loss in age group between 15-40 years without any specific ENT complaints
5	Dr. M. Mohamed Anwar, Associate Professor	Morbidity profile of otorhinolaryngological disorders among hospitalized adults
6	Dr. M. Mohamed Anwar, Associate Professor	Prevalence and Pattern of Pediatric otorhinolaryngological disorders in a rural teaching hospital
7	Dr. M. Mohamed Anwar, Associate Professor	Clinical profile of ENT cases attending health camps
8	Dr. M. Mohamed Anwar, Associate Professor	Epidemiological aspects of patients attending ENT Out-patient Department of territory care teaching Hospital

## DEPARTMENT OF MEDICINE

S.No	Name of the Faculty	Research Topics - Current Problems
1	Dr. R. Kaaviya, Senior Resident of Medicine	HbA1c levels in diabetic and non-diabetic hypothyroid patients in a teaching hospital in Tamilnadu
2	Dr. K. Parimaladevi, Professor of Medicine	Serum calcium and phosphorus profile in CKD in view of GFR
3	Dr. S. Sheela Samini Seelan, Senior Resident of Medicine	Role of N-acetyl cysteine in Rodenticide poisoning
4	Dr. S. Sheela Samini Seelan, Senior Resident	Role of anti-thyroid peroxidase antibodies in the treatment of hypothyroidism
5	Dr. S. Arya Chandran, Senior Resident	A study of mobility and mortality pattern in geriatric population
6	Dr. N. Nallathambi, Assistant Professor	Acute myocardial infarction: an analysis
7	Dr. N. Nallathambi, Assistant Professor	Pattern and outcome of ICU cases
8	Dr. R. Prabu, Emergency Physician	An analysis of glyphosate poisoning
9	Dr. R. Prabu, Emergency Physician	Community intervention for emergency cases – questionnaire study
10	Dr. R. Prabu, Emergency Physician	Situation analysis of brought dead cases

11	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Knowledge and skills of residents on medical devices – Questionnaire survey
12	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Expenditure during undergraduate medical education – Questionnaire survey
13	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Competency of CRRIs – Questionnaire survey
14	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Professionalism among residents – Questionnaire survey
15	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Thyroid status among young women
16	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Self medication among medical students
17	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Analaysis of in patients leaving the hospital against medical advise (AMA)
18	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Analysis of causes of death
19	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Profile of medicolegal of a teaching hospital
20	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Television watching among children
21	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Selfi related injuries
22	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Platelet-lymphocyte ratio in acute myocardial infection
23	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Medical emergencies related cosmetology procedures
24	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Yawning and circadian rhythm
25	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Yawning and menstrual cycle
26	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Blood pressure profiles among the young
27	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Obesity among the young
28	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Community concepts of Blood pressure
29	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Epidemiology of emergency medicine in tertiary care Private hospital .
30	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Epidemiology of drug induced acute kidney injury.
31	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Investigation on competence of despeckling techniques in advancement of diagnostic of ultrasound imaging.
32	Dr. K. Sivakumar, Associate Professor	Pulmonary function in Type 2 diabetes mellitus
33	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Questionnaire survey on Hypertension among patients and practitioners

34	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Pattern of cases attending tertiary referral institutions: multicentre study
35	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	KABP on anti-ragging among students and faculty of medical, engineering, law, and arts & sciences
36	Dr.Nallathambi, Assistant Professor of Medicine	Pattern and outcome of cases treated at medical intensive care unit of a teaching hospital
37	Dr. K. Sivakumar, Asst. Prof. of Medicine	Junk foods and health consequences among college students
38	Dr. Suresh Khanna, Senior Resident	Pattern of neurological disorders attending a rural teaching hospital
39	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Analysis of MLC cases attending CMCHRC.
40	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Association of swallowing following yawning- An observational study.
41	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Ultrasonographic studies on HIP dysplasia.
42	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Ultrasonographic studies of mukuloskeletal lesion.
43	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Association of swallowing following yawning- An observational study.
44	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Ultrasonographic studies on HIP dysplasia.
45	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Ultrasonographic studies of mukuloskeletal lesion.
46	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Awareness on Antiragging aspects among college students.
47	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Status of Research in Health science Institutions.
48	Dr.Mathimaraiselvan, Assistant Professor	Prevalence of CAD among those admitted for ischemic stroke.
49	Dr. P. Selvaraj, Professor of Medicine	Prevalence of CAD and HTN among newly detected type 2 diabetes mellitus.
50	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Association of swallowing following yawning –An observational study
51	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Ultrasonographic Studies on HIP dysplasia.
52	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Ultrasonographic Studies of musculoskeletal lesions.
53	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Awareness of Antiragging aspects among college teachers and students.
54	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Status of Research in Health Science institutions.
55	Dr.Mathimaraiselvan. Asst.Prof.of Medicine	Prevalence of CAD among those admitted for ischemic stroke.
56	Dr.P.Selvaraj. Professor of Medicine	Prevalence CAD and HTN among newly detected type 2 diabetes



57	Dr. Sivakumar, Asst.Prof of Medicine	Serum bilirubin level in patients with type 2 Diabetics
58	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Cost of care of snake bite
59	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Occurrence of errors in medical practice and disclosure: a questionnaire study
60	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Age of menarche among girls and women
61	Dr. P. Thirumalaikolundusubramanian. Professor of Medicine	Professional and ethical issues related to urinary catheterisation
62	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	ECHO Cardiography among those with pulmonary tuberculosis
63	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Informed consent: how much are the patients informed about?
64	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Hounsfield unit and Urolithiasis
65	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Status of infants born of Diabetes Mothers.
66	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Yawning among pregnant women Normal Vs IVF
67	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Yawning among Twins
68	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Yawning –Critical Cases.
69	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Informed consent: how much are the patients informed about?
70	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Hounsfield unit and Urolithiasis
71	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Clinical and laboratory aspects of Ant bite.
72	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Dream among Pregnant Women
73	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Dream among those with metabolic disorders.
74	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Use of Over the Counter Medication: What and Why.
75	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Questionnaire survey on Measles among girl students
76	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Religion, Health and illness : KABP among the community and religious leaders.
77	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	Awareness of Notifiable diseases Among student of Health Sciences Nurses & Doctors
78	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Professional and ethical issues related to urinary catheterisation
79	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Cost of care of snake bite

80	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Occurrence of errors in medical practice and disclosure: a questionnaire study
81	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Age of menarche among girls and women
82	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Prevalence and pattern of use of video games among college students
83	Ms. S. Madhumitha, MBBS student	KABP of the community towards medical advertisements in television
84	Ms. V. Hemasri, MBBS student	Nail biting among the students
85	Ms. Akshaya Gopalakrishnan, MBBS student	KABP of residents towards notifiable diseases.
86	Ms. Akshaya Gopalakrishnan, MBBS student	Analysis of in Hospital Deaths
87	Samavita Venkataramani, MBBS student	Prevalence and pattern of use of video games among college students
88	Dr. P. Thirumalaikolundusubramanian Professor of Medicine	Foot reflexology on post operative pain and discomfort among caesarean mothers
89	Dr. P. Thirumalaikolundusubramanian, Professor of Medicine	A questionnaire survey on confidence of CRRIs
90	Dr. K. Parimaladevi, Professor of Medicine	Correlation of Glycemic control with cardiovascular disease in type 2 Diabetes mellitus.

### Department of Microbiology

S. No	Name of Faculty/ Student	Research Topics
1	Dr. A. Anupriya, Assistant Professor	Sero-Prevalence of HIV & HCV among newly detected chronic kidney disease patients.
2	Dr. N. Prabhusaran, Associate Professor of Research	Vegetable and fruit based extract agar for the cultivation of microbes
3	Dr. N. Prabhusaran, Associate Professor of Research	Screening of <i>Candida albicans</i> germ tubing in various media
4	Dr. N. Prabhusaran, Associate Professor of Research	Screening of leptospiral serology among uveitis and conjunctivitis cases
5	Dr. G. Vazhavandal, Associate Professor	Intestinal parasitic infections among school going Children in rural areas of Trichy district
6	Dr. A. Anupriya, Assistant Professor	Prevalence of transmission transmissible infection among blood donors
7	Dr. N. Prabhusaran, Associate Professor of Research	Assessing computer literacy and attitude towards e-learning among Medical Students.
8	Dr. N. Prabhusaran, Associate Professor of Research	Evaluation of knowledge and attitude and barriers towards research among Medical students.
9	Dr. N. Prabhusaran, Associate Professor of Research	Plagiarism awareness, perception and attitude among students and teachers in higher education –An electronic based survey

10	Dr. J. Lalithambigai, Assistant Professor	Antimicrobial susceptibility pattern of <i>E. coli</i> causing urinary tract infection with special reference to fluoroquinolone
11	Dr. N. Prabhusaran, Associate Professor of Research	Hemolytic anemia associated with leptospirosis morphologic and lipid studies
12	Mr. B. Vaduvukrishnan, MBBS student (Dr. N. Prabhusaran, Associate Professor of Research)	Pre and post operative immune status and bacteremia in patients under gone various surgeries
13	Mr. HA. Prasant, MBBS student (Dr. J. Lalithambigai, Assistant Professor)	Prevalence of HBV and HCV among patients of chronic liver disease with special reference to hepatocellular carcinoma
14	Dr. J. Selvi, Postgraduate	Bacteriological study of sputum samples
15	Dr. G. Dhanalakshmi, Postgraduate	Clinicomycological study of <i>Malassezia</i> species in patients with Pityriasis versicolor
16	Ms. N. Priyanka, MBBS student (Dr. A. Anupriya, Assistant Professor)	Seroprevalence of toxoplasmosis among antenatal women
17	Dr. Diego Edwin, Assistant Professor	Antibiogram of intestinal commensal bacteria isolated from pediatric age group
18	Dr. I. Selvi, Postgraduate	A study on biofilm production and gene detection of bacteria isolated from device associated infections and their correlation with antimicrobial resistance
19	Dr. R. Saraswathi, Assistant Professor	Microbiological surveillance of environmental samples screened in tertiary care teaching hospital – a retrospective study
20	Dr. R. Saraswathi, Assistant Professor	Detection of acid fast bacilli in bronchoalveolar lavage sample in clinically suspected cases received in Microbiology lab – a retrospective study
21	Dr. J. Lalithambigai, Assistant Professor	Retrospective analysis of bacteriological profile of urinary tract infection and their antimicrobial susceptibility pattern in a tertiary care hospital
22	Dr. J. Lalithambigai, Assistant Professor	Seroprevalence of HBV, HCV and coinfection among patients at a tertiary care hospital – retrospective study
23	Dr. S. Deepalatha, Postgraduate	Prevalence and pattern of bacterial infection in patients with advanced chronic kidney diseases in a tertiary care hospital
24	Dr. G. Dhanalakshmi, Postgraduate	Bacteriological profile, antibiogram and risk factors of surgical site infections in a tertiary care hospital
25	Mr. S. Vigneshwaran, MBBS student (Dr. Diego Edwin, Assistant Professor)	Bacteriological profile and antimicrobial susceptibility pattern of blood culture isolates with septicemia in a tertiary care teaching hospital
26	Dr. J. Lalithambigai, Assistant Professor	Prevalence of <i>Salmonella</i> , <i>Shigella</i> and intestinal parasites among food handlers in a Tertiary Care Teaching Hospital Trichy.
27	Dr. A.S. Sathesini Priya, Postgraduate	Bacteriological status of Hospital privacy curtains in a Tertiary Care Hospital.

28	Dr. D. Dhilip Rajesh Kumar, Postgraduate	A clinic - serological study of TORCH infection among rural antenatal women attending a tertiary care teaching Hospital
29	Dr. A. Janarthanan, Postgraduate	Bacteriological profile of symptomatic and asymptomatic bacteriuria in pregnant women
30	Dr. Saro Thanga Sangeetha, Postgraduate	Audit of Biomedical waste management of a Tertiary Care Hospital.

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

<b>S. No</b>	<b>Name of Faculty/ Student</b>	<b>Research Topics</b>
1	Ms. Anushuya, MBBS student	Impact of early screening and electrocardiographic changes among young primigravida
2	Dr. S.M. Kalamani, Professor	Meconium stained amniotic fluid: factors affecting maternal and perinatal outcomes attending tertiary care

### **Department of Orthopedics**

<b>S. No</b>	<b>Name of Faculty/ Student</b>	<b>Research Topics</b>
1	Dr. N. Vijay, Assistant Professor	Efficacy of platelet rich plasma in the treatment of planta fasciitis

### **Department of Pathology**

<b>S. No</b>	<b>Name of the Faculty/ Student</b>	<b>Research Topics</b>
1	Dr. S. Priya Bhanthavi, Associate Professor	An analysis of cyto-histological correlation of cervical smears and biopsies a hospital based study.
2	Dr. Lalitha Sekar, Postgraduate	Morphological evaluation of Lymphocytes on peripheral smear examination and adult patients with lymphocytosis and its clinical correlation.
3	Dr. Manimegala, Postgraduate	Histopathological analysis of scaly skin lesions of non infectious etiology
4	Ms. Samanvitha Venkatramani. II MBBS	Cancer treatment dropouts-an assessment of the magnitude of the problem and the reasons behind – a region wise study
5	Ms. PG. Sowmya, III MBBS	Proteinuria in pregnant women attending a tertiary care hospital – a prospective study
6	Dr. R. Pramila, Professor	Prevalence of anemia among pediatrics attending tertiary care teaching hospital
7	Dr. R. Pramila, Professor	Prevalence of anemia among adult patients attending tertiary care teaching hospital
8	Dr. Bavithra, Postgraduate	Histopathological study of gastric biopsies and gastrectomy specimens and their correlation with <i>H. pylori</i>

9	Mr. Arun Vishanth, Pre final MBBS	Knowledge, attitude and behavior of medical students towards pursuing research in a tertiary teaching hospital
10	Dr. R. Pramila, Professor	Profile of fetal hemoglobin percentage in mother and neonates by Von Kleihauer Betke method
11	Dr. R. Pramila, Professor	Evaluation of progesterone insufficiency in pregnancy by lateral wall vaginal smear
12	Dr. R. Pramila, Professor	Hormonal imbalance in married females attending tertiary care teaching hospital by pap smear (maturation index-MI)
13	Ms. Priyanka Punjabi, IV MBBS	Mean platelet volume – a prognostic markers of Arthroschlerosis among type 2 diabetes mellitus patients in a tertiary care hospital
14	Dr. R. Pavithra, Postgraduate	Role of platelet indices in disorders associated with thrombocytopenia.
15	Dr. K. Shalini, Postgraduate	Study of erythrocyte abnormalities in thyroid dysfunction.

### Department of Pharmacology

S. No	Name of Faculty/ Student	Research Topics
1	Dr. K. Vairavel Prakash, Postgraduate	Drug utilization pattern in Respiratory Medicine department at a tertiary care hospital: cross sectional analytical study
2	Dr. K. S. Saravanan, Postgraduate	Drug utilization pattern in Emergency Medicine department at a tertiary care hospital: cross sectional observational study
3	Dr. T. Amrutharaja Saranya, Postgraduate	<i>In vitro</i> antimicrobial activities of condiments mediated silver nanoparticles against multidrug resistant pathogens
4	Dr. A. B. Farook Abdulla, Postgraduate	Comparison of efficacy & safety of levocetirizine alone or in combination with montelukast in patients of allergic rhinitis

### PHYSICAL EDUCATION

S. No	Name of Faculty	Research Topics
1	Dr. L. Manivannan, Head of Physical Education	Injuries during sports and games.
2	Dr. L. Manivannan, Head of Physical Education	Effect of Yogic practices and aerobic exercises on selected physiological, biochemical and psychological variables among young obese men.
3	Dr. L. Manivannan, Head of Physical Education	Effect of Yogic Practices and brisk walk on selected physiological variables among College Men Students.

## Department of Physiology

S. No	Name of Faculty/ Student	Research Topics
1	Mr. Rajkali, MBBS Student	Poor diabetes control in older individuals – can cognitive impairment and coexisting depression be the cause for it?
2	Ms. Aswithapriya, MBBS Student	Impact of self esteem, personality and behavior among Whatsapp used and non user
3	Mrs. H. Petricia, Tutor	Study of effect of exercise training on vascular miRNA expression oxidative stress markers and wellness of obese children
4	Dr. A.V. Lavanya, MBBS Student	A comparative study of different categories of BMI with pulmonary function test
5	Mr. S. Kishore, MBBS Student	Prevalence of effectiveness of child well being and protection among school children
6	Ms. Pavithra, MBBS Student	Impact of yoga on hyperhidrosis in adult medical students
7	Ms. Tahera Kumar, MBBS Student	Effect of yoga on refractive error, visual functions among adult offspring's of type 2 diabetic parents
8	Mr. Tamilzhanban, MBBS Student	Impact of psycho-socio physiological changes among committed person with non committed adult college students
9	Mr. R. A. Sureshbalaji, Tutor	Estimation of Lung Volumes By Helium Dilution, Plethysmography, and chest radiography in patients with Pulmonary Diseases.
10	Dr. M. Muhil, Associate Professor	Prevalence of polycystic ovarian syndrome with insulin insensitivity.
11	Dr. Nachal Annamalai, Professor	Types of stress and academic performance in undergraduate Medical students.
12	Dr. M. Rajajeyakumar, Assistant Professor	Effect of quality of sleep, nutritional and psychological status on neurocognitive functions among Medical Students.
13	Dr. M. Muhil, Associate Professor	Metabolic dysfunction vs Endocrinal alteration in PCOS
14	Dr. M. Muhil, Associate Professor	A study on Sleep pattern among shift workers
15	Dr. M. Muhil, Associate Professor	Diabetic risk in subjects seeking General medical care in Tertiary care Hospital
16	Dr. M. Muhil, Associate Professor	NLR ratio in Trained athletes.
17	Dr. M. Rajajeyakumar, Assistant Professor	Study to Identify Early Autonomic, Cognitive, and Psycho Behavioral Dysfunctions in Adults Offspring's of Type 2 DM Parents.
18	Dr. M. Rajajeyakumar, Assistant Professor	Relationship Between Waist Hip Ratio, Mean Blood Pressure and Average Heart Rate on Sympatho Vagal Balance in Young Off Springs of Parent/s with Hypertension in Urban area, Trichy District.
19	Dr. M. Rajajeyakumar, Assistant Professor	Impact of biopsychosocial factors on cognitive style index, autonomic, and respiratory functions among classical Carnatic singers.
20	Mr. Rajeshkumar, Tutor	Leukocyte Response before and after Exercise among Healthy Adolescents.

21	Mr. R. A. Sureshbalaji, Tutor	Impact of carnatic music on heart rate variability.
22	Mr. R. A. Sureshbalaji, Tutor	Perceived Stress Level among Employees Working in Small S Industries in Trichy.
23	Mr. R. A. Sureshbalaji, Tutor	Impact of Non-Vegetarian on Oestrogen Level in Male Population.
24	Dr. B. Aananthalakshmi, Postgraduate	Acute coagulopathy among patients with accidental trauma
25	Dr. D. Niranjana, Postgraduate	Pattern of stress, sleep and neuro-cognitive function in different phases of menstrual cycle among young health volunteers.
26	Dr. M. Rajajeyakumar, Assistant Professor	Borderline gestational diabetes mellitus: implications of early life style intervention on pregnancy outcomes and prevention of future risk of type 2 diabetes mellitus – a multi center randomized control trials
27	Mr. R. A. Sureshbalaji, Tutor	Effect of pranayama and exercise training on pulmonary function in children with bronchial asthma.
28	Dr. Nachal Annamalai, Professor	Small-Group Discussion: an approach towards self directed learning and development.
29	Dr. M. Rajajeyakumar, Assistant Professor	Introduction of open Book test: To assess Higher cognitive Level and deeper learning approaches of First year Medical students
30	Dr. M. Muhil, Associate Professor	Effects of small group discussion in I MBBS students
31	Ms. S. Jeyakeerthi, MBBS Student	Knowledge and Practice for removing barriers to breast screening among High risk student population
32	Mr. AC. Anish, MBBS Student	Assessment of well beingness among the medical college students
33	Dr. Nachal Annamalai, Professor	Small-Group Discussion: an approach towards self directed learning and development.
34	Dr. M. Muhil, Associate Professor	Effects of small group discussion in I MBBS students
35	Dr. M. Muhil, Associate Professor	Evaluation of Impact of integrated teaching and perception of faculty and students
36	Dr. M. Muhil, Associate Professor	Evaluation of sugar consumption among South Indian population
37	Dr. M. Muhil, Associate Professor	Evaluation of Impact of integrated teaching and perception of faculty and students
38	Dr. M. Rajajeyakumar, Assistant Professor	Teaching – Learning and assessing professionalism in undergraduate Medical students using a teaching Modules.
39	Dr. M. Rajajeyakumar, Assistant Professor	Identifying risk of impulsive suicidal ideation among young adults-A cognitive based behavioural therapy approach
40	Dr. M. Rajajeyakumar, Assistant Professor	Effect of Yoga on early Vascular aging among high risk young offsprings of type 2 Diapetes and Hypertwnsive patients-A Multi centric randomized control study.
41	Dr. M. Muhil, Associate Professor	Effect of yoga & meditation on pulmonaryfunction and health related quality of life [HRQoL]
42	Dr. M. Muhil, Associate Professor	Correlation of mid trimester Doppler study & Pregnancy outcome of gestational diabetes.

43	Mrs. H. Petricia, Tutor	Estimation of maternal serum placental growth factor and antioxidant status in pregnant women as a screening tool for pre-eclampsia (A pilot study)
44	Ms. Desika Ravi, MBBS Student	Impact of voluntary breathing technique on vascular tone to social stress in adults – relevance to phase of menstrual cycle
45	Dr. A. Lavanya, Postgraduate	Correlation between respiratory muscle strength & handgrip strength in the healthy elders.
46	Dr. A. Lavanya, Postgraduate	Impact of body mass index, waist circumference and physical activity on hearing ability in young adults.
47	Dr. M. Muhil, Associate Professor	Assessment of learning style of Undergraduate medical students & its association with previous achievements

### **Department of Psychiatry**

<b>S. No</b>	<b>Name of Faculty/ Student</b>	<b>Research Topics</b>
1	Dr. S. Sivaraman, Associate Professor	Emotional reactions of first year Medical students dissecting cadavers.
2	Dr. S. Sivaraman, Associate Professor	Treatment adherence in patients with type Diabetics Mellitus and factors affecting Treatment Adherence.
3	Dr. S. Sivaraman, Associate Professor	Change in pattern of substance me after diagnosis of Diabetes Mellitus.
4	Dr. S. Sivaraman, Associate Professor	Depression in patients of Myocardial infarction – A cross sectional study.
5	Dr. V. Ahalya, Senior Resident	Incidence of Psychiatric morbidity in patients with Pigmentary disorders.
6	Dr. Ronald Roy, Senior Resident	Patterns and prevalence of Nicotine dependence in adult male patients with chronic obstructive pulmonary Diseases.
7	Dr. S. Sivaraman, Associate Professor	A cross sectional observational study on internet addiction among students undergoing professional courses
8	Mr. N. Hariesh, MBBS student	Study the prevalence of stress and depression among rural and urban school students between age 9-14
9	Mr. D. Randeep Rajkumar	Prevalence and risk factors of suicidal ideation and depression among college students in tiruchirapalli district.

### **Department of Radiology**

<b>S. No</b>	<b>Name of Faculty/ Student</b>	<b>Research Topics</b>
1	Dr. Guru.T.Arun, Assistant Professor	Impact of ingenious teaching module on learning of diseased chest Roentgeogram: cross sectional study
2	Dr. Guru.T.Arun, Assistant Professor	Does routine chest X-ray warranted?
3	Dr. Guru.T.Arun, Assistant Professor	Hounsfield status of Renal stones
4	Dr. S. Saraswathi. Senior Resident	Utility of MR urography verses CT KOB in assessing obstructive Uropathy– A prospective study

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