

**Srinivasan Medical College and Hospital**  
**Department of Biochemistry**  
**Research List**

S. No	Faculty Name	Published	ICMR	Ongoing Project	Completed (Not yet Published)
1.	Dr.Moonishaa T.M	<p>1. Glycation Index and Renal Function Decline in Type 2 Diabetes Mellitus. International Journal of Pharmaceutical and Clinical Research. International Journal of Pharmaceutical and Clinical Research 2024; 16:59-64.</p> <p>2. Use of smartphones and mobile-based educational applications by medical residents in South India: Smartphones and mobile apps usage in medical residents. Frontiers in Health Informatics 2024;13:2085-2096.</p>	<p>Evaluation of Haemoglobin, albumin, lymphocyte, and platelet (HALP) score as an emerging biomarker of cognitive decline in Type 2 Diabetes Mellitus</p>	<p>1. Perceptions and Practices of Early Clinical Exposure Inpreclinical Years of Medical Education - A Mixed Methods Study.</p> <p>2.Impact of Case-based Learning on The Learning Approaches Andoutcomes of Phase I Mbbs Students</p>	
2.	Dr.Durga Sowmithri .k	<p>1.Effect of Hemodialysis on Urea Reduction Ratio, Serum Electrolytes, Calcium, Phosphorus and Bicarbonate in Chronic Kidney Disease Patients</p> <p>2. Parathyroid hormone as early marker of derangements of mineral metabolism among patients in various stages of chronic kidney Disease</p> <p>3. Study Of Knowledge, Attitude And Performance On Lab Operations Of ClinicalLab Technicians At A Tertiary Care Teaching Hospital</p> <p>4. Serum Amylase Levels in</p>	<p>Evaluating serum ferritin cutoffs in hemodialysis patients with CKD</p>	<p>1.Study on Communication Skill &amp; Attitudes scale [CSAS] among the medical students of a tertiary care teaching hospital.</p> <p>2.A Study on the the dyslipidemia, hormonal disorders &amp; oxidative stress on alcohol dependent syndrome patients.</p> <p>3. A Study on the disorders of serum lipids, minerals &amp; inflammatory marker on hypothyroid patients.</p> <p>4.A Study on the disorders of serum lipids, minerals &amp; inflammatory marker on hypothyroid patients.</p> <p>5. A Study on the cardiac risk factors on patients with MDD visiting tertiary care hospital in rural Trichy.</p>	

		<p>T2DM Patients: Surrogate Biomarker of Cardiometabolic Status</p> <p>5. The predictive role of serum magnesium in prognosis of critically ill medical patients.</p> <p>6. Correlation Analysis of Direct LDL Measurement and Calculated LDL Methods in Lipid Profile Assessment: A Comprehensive Study</p>		<p>6. Study of Dyslipidemia &amp; Urinary Albumin Creatinine ratio among the security guards of a university.</p> <p>7. Study on HBA1C range with RBC indices among the prediabetic &amp; diabetic patients.</p> <p>8. Study of neuromuscular active minerals, cardiac risk &amp; UACR between the football &amp; kabaddi players of a university.</p> <p>9. A Study on the serum hs-CRP, Zinc &amp; Lipid indices in hypothyroid patients visiting tertiary care hospital in rural Trichy.</p> <p>10. A Study on the risk factors of CAD &amp; Renal disease among the Masjid Imams of Trichy Dt.</p> <p>11. A Study on Liver Fibrosis Risk among the medical students of a tertiary care teaching hospital.</p> <p>12. Study of self directed learning readiness among the MBBS students using Kar. S.S. et.al 29-item abridged SDLR scale.</p>	
3.	Dr. Dharmalingam .p	<p>1. A study of calcium, Vitamin-D and Phosphorus in chronic Kidney Disease on Dialysis.</p> <p>2.A Comparison of asymmetric Dimethyl arginine and nitric oxide in normotensive and hypertensive patient I tertiary care hospital</p>	Diagnostic and prognostic value of high sensitivity cardiac troponin-I in chronic kidney disease patients (a cross sectional study)		
4.	Dr. Magila .K		“Association of Hypovitaminosis-D and Thyroid Dysfunction in Uterine Fibroid patients with Anaemia”		
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**Srinivasan Medical College and Hospital**  
**Department of ENT**  
**Research List**

SI. No	Faculty Name	Published	ICMR	Ongoing Project	Completed (Not yet Published)
1.	DR. NEELIMA VIJAYAN (Associate Professor)	Unveiling the Spectrum of Otorhinolaryngological Manifestations in Siblings with Bardet – Biedl syndrome: A Report of Two Cases <b>(ARTICLE: CUREUS AUGUST 2024)</b>		-	
2.	DR. VIJAY PRADAP (Assistant Professor)	Practical tips for surgical management of Bilateral Choanal atresia – Indian journal of otolaryngology head and neck surgery, volume 75, page 768 – 773 (2023)			
3.	DR. RAM SREENIVASEN (Senior Resident)	A comparative study on outcome of patients undergoing microdebrider assisted (functional) endoscopic sinus surgery (FESS) versus conventional (functional) endoscopic sinus surgery (FESS) for chronic rhinosinusitis with Sino nasal polyposis. <b>(JAMP February 2025)</b>			

**Srinivasan Medical College and Hospital**  
**Department of Physiology**  
**Research List**

S. No	Faculty Name	Published	ICMR	Ongoing Project	Completed (Not yet Published)
1.	Dr. K. Rekha, MD	<ol style="list-style-type: none"> <li>1. The Impact of COVID-19 on Auditory and Visual Choice Reaction Time of Non-hospitalized Patients: An Observational Study</li> <li>2. Assessment of Influence of Screen Time on Quality of Sleep among Dental Students.</li> <li>3. Assessment of memory and cognitive functions in controlled and uncontrolled Type 2 diabetes mellitus patients</li> <li>4. Our Experience in Encountering Intraoperative Hurdles in Otorhinolaryngology in a Tertiary Care Center: A Case Series</li> <li>5. Analysis of Motor Nerve Conduction and Pain Threshold in Professional Drivers</li> <li>6. Knowledge, attitude and practices among medical and dental undergraduates on sunlight exposure and vitamin d during the pandemic</li> <li>7. Sleep Disturbance Among Medical and Paramedical Students at Selected Colleges in Madurai</li> <li>8. Effect of breathing practices on visual and auditory reaction time of adolescent population in Madurai, India-A comparison of right and left nostril breathing</li> <li>9. Assessment of Aerobic Power (VO<sub>2</sub> Max) in Different Group of Athletic Females in Relation with Body Mass Index and Hemoglobin</li> <li>10. Detection of Genetic Mutations in Lung Cancer Patients with the Help of</li> </ol>	Immediate Effects of Om Chanting and Listening on Heart Rate Variability in Healthy Adults	<ol style="list-style-type: none"> <li>1. Probiotic: A novel therapeutic for Endometrial thickness</li> <li>2. Foundation course- Effectiveness Of Foundation Course in Improving the Mental Health of Indian Medical Graduate- A Prospective Observational Study</li> </ol>	<ol style="list-style-type: none"> <li>1. Effect of LCHF diet in Glycaemic, Lipid profiles and inflammatory markers in Type 2 Diabetes mellitus patients</li> <li>2. An Intervention study on the effects of lumbar stabilization exercise and gluteus muscle strengthening exercise on reduction of pain in chronic low back pain patients</li> <li>3. A comparison of mallampati classification</li> </ol>

		<p>Liquid Biopsy in Madurai, India: A Cross Sectional Study</p> <p>11. Effect of ghrelin hormone on ovary histology in female wistar albino rats</p> <p>12. Shaping The Future of Healthcare with Artificial Intelligence: Current Trends and Beyond</p> <p>13. Correlation between Myocardial performance (TEI Index) using Pulse Wave Doppler and LV function by Simpson's method in patients With Ejection fraction &lt;35%; European Journal of Cardiovascular Medicine</p>			<p>n thyromental distance and combination of both to predict difficult intubation surgery under general anaesthesia</p>
2.	Dr. K. Sarayu, MD	-	Impact of Pre- Bed Time Internet Usage on Psychological Stress, Cardiac Autonomic Function ,Sleep Quality and Cognitive Function in Young Adults		
3.	Dr. Vidya S Joshi, MD	<ol style="list-style-type: none"> <li>1. Effect of yoga on symptoms of Repetitive Stress Injuries of Upper Limbs Among Laboratory Workers; A Randomized Controlled Trail</li> <li>2. Evaluation of Subjective and Objective Parameters of Stress in First Year Medical Students</li> <li>3. Systemic and Local Effects of Warm Oxygen Exposure to the Lower Extremities in Healthy Volunteers</li> <li>4. Vitamin D status in medical students and risk factor analysis</li> <li>5. " A Battle within" COVID-19 Pandemic and Psychological Impact on Health Care Personnel in Southern India</li> <li>6. Effect of yogic exercises on symptoms of musculoskeletal disorders of upper limbs among computer users: A randomized controlled trial</li> <li>7. Comparative study of response to</li> </ol>	Effect of intuitive eating on stress in medical students in Trichy	<ol style="list-style-type: none"> <li>1.HRV in different BMI groups</li> <li>2. HRV in day shift workers versus Night Shift workers</li> </ol>	

		<p>experimental cold pain in dysmenorrhic and nondysmenorrhic women</p> <p>8. Nerve muscle physiology changes with yoga in professional computer users</p>			
4.	Dr. S. Nalini, MD	<p>1. Happy Hypoxia and Conscious Prone Position Ventilation</p> <p>2. Cytokine Storm Syndrome – a Bird’s Eye View</p>	Case control study on monocyte count as a diagnostic predictor of Gestation diabetes mellitus in antenatal women in Srinivasan Medical College and Hospital, Trichy.	<p>1.A Cross sectional Study of Incidence of Cardio Renal Syndrome in RRT patients in Srinivasan Medical College Hospital, Samayapuram</p> <p>2.Long term Effects of Hemodialysis in CRF patients on Heart-Srinivasan Medical College,</p>	
5.	Dr. T. Manopriya, M.sc, Ph.D	<p>1. A preliminary study of inflammatory markers in non-alcoholic steatohepatitis patients</p> <p>2. Non-Alcoholic Fatty Liver Disease (NAFLD) – Is it an Emerging Risk Factor for Coronary Artery Disease? Preliminary study in a local Indian population</p>	Correlation Between Prevalence and Risk Factors of Gastroesophageal Reflex Disease Symptoms among Undergraduate Medicos	<p>Association between Hypothyroidism &amp; color blindness</p> <p>Assessment of HCl secretion at different phases of Menstrual Cycle</p>	
6.	Mr. S. Raghuvaran, M.sc	-	-	1. HRV and lipid profile in relation with BMI among	
7.	Dr. V. Priyadarshini, MD	1. PROBIOTICS: A NOVEL THERAPEUTIC TREATMENT TOWARDS ENDOMETRIAL HYPERPLASIA	"Exploring the Probability of Hepatitis B Transmission Through Common Beauty procedures"	1. Evaluation of treatment gap in identifying the shared framework for the common mental disorder and non-communicable disease- A cross sectional study in rural Tamil Nadu	
8.	Dr. B. Aananthakshmi, MD	-	Impact of Shift Work on Psychological Well-Being,	1. "A Sibling oocyte study on Blastocyst	

			Sleep, and Reproductive Health in Female Healthcare and IT Professionals: A Comparative Study	Development, Implantation Rates, and Clinical Pregnancy Outcomes Using GM-CSF Enriched Culture Media Versus Single-Step Culture Media in Assisted Reproductive Technology (ART)." PhD Topic 2.Comparison of IUI Pregnancy Rates and Sperm Survival Post-Preparation Using HEPES-Buffered and Bicarbonate-Buffered Media: A Blinded Study	
9.	Dr. Jeyashri.M, MD	<ol style="list-style-type: none"> <li>1. Immediate effect of Anulom-Vilom Pranayama on cardiovascular parameters in medical students</li> <li>2. Navigating perspectives of students and faculty: Language of instruction in Indian medical education</li> </ol>	-	<ol style="list-style-type: none"> <li>1. HRV in different phases of Menstrual cycle.</li> <li>2. HRV in Subjects with Moderate to severe DNS.</li> </ol>	
10.	Dr. R. Jemy Adalin, MD	<ol style="list-style-type: none"> <li>1. Traversing the Association between Platelet indices and Blood sugar levels in Type 2 Diabetes Mellitus patients</li> </ol>	-		
11.	Dr. T. Prasath, MD	<ol style="list-style-type: none"> <li>1. Assessing Knowledge and Attitudes Regarding Organ Donation among Medical Students in South India: A Cross-Sectional Study in Journal of Pharmacy and Bio allied Sciences (Scopus indexed).DOI: 10.4103/jpbs.jpbs_1026_24</li> <li>2. Assessment Of Diabetic Risk Using The Indian Diabetic Risk Score (IDRS) In A Student Population Of A Medical College In Tamil Nadu: A Cross-Sectional Study in African Journal of Biological Sciences (Scopus</li> </ol>	-		<ol style="list-style-type: none"> <li>1. Sleep Quality Among Medical Students: A Cross-Sectional Study at SRM Medical College &amp; Research Centre in Journal of Pharmacy and Bio allied Sciences (Scopus indexed).</li> </ol>

		indexed) DOI: <a href="https://doi.org/10.33472/AFJBS.6.9.2024.5099-5111">10.33472/AFJBS.6.9.2024.5099-5111</a> .			
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