



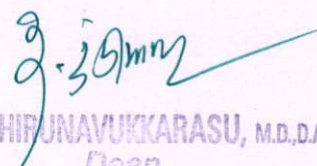
**VELAMMAL MEDICAL COLLEGE**  
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**MADURAI - 625009**

**3.2.1**

**List of Completed and On-going Research Projects**

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1.	On Going Research Projects	2 - 27
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Prof. T. THIRUNAVUKKARASU, M.D.,D.A.,  
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#### List of On-going Project for the year of 2017-18

Sl. No.	Title of the Project	Faculty/ Students	Name
1.	Comparison of effect of aspartame (artificial sweetener) and aspartame sweetened diet Drink on autonomic reactivity	Faculty	Dr. A S Kanietha Priya
2.	Effect of upper limb movements on muscles of the lower limbs in spinal cord injury patients	Student	Mr. V Mathava Kumar
3.	Burnout among south Indian medical students, its association with extracurricular activities and sports, and its impact on performance in tests	Faculty	Dr. B N Vallish
4.	Effect of right, left, and alternate nostril breathing on oxidative status, vascular reactivity, and abdominal obesity in young healthy adults	Faculty	Dr. K Rekha
5.	Analysis of resting heart rate variability, reaction time, nerve conduction, evoked potentials, and pain threshold in professional Drivers	Faculty	Dr. A. S.Kanietha Priya
6.	Risk factors for alcohol use relapse after abstinence in patients with alcoholic liver disease	Student	Ms. Nithya Shree
7.	Autonomic nervous system and raised intra-ocular pressure: cause and effect?	Student	Ms. Nithya Shree
8.	App-based tracking of smartphone use and its association with perceived stress and sense of coherence among medical college students - a cross sectional study from Madurai, India	Student	Ms. Jane S Sathiavadivu
9.	Study on sex differences in fingerprint ridge density of patent thumbprints by ink staining method in young adult Indian population	Faculty	Dr. Kishan R Siddapur
10.	Auditory and visual reaction time in	Student	Ms. M Abirami





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	shift workers		
11.	A cross-sectional study on distracted Driving practices among professional vehicle drivers in Madurai, India.	Student	Mr. C Madhan
12.	Morphological variation and occurrence of persistent metopic suture in Indian population	Faculty	Dr. Sabita Singh
13.	Risk factors for recurrent wheezing episodes in under-5 children of South India	Faculty	Dr. J Jenish Rajma
14.	Impact of catheter care bundle approach in the incidence of catheter associated urinary tract infection – a study from intensive care unit of a tertiary care hospital in Madurai, India	Faculty	Dr. S Raja
15.	Microbiological and antimicrobial susceptibility profile of blood and body fluid isolates in a tertiary care centre - a South Indian study	Faculty	Dr. V G Geni
16.	Comparison of motor nerve conduction velocity among chronic computer keyboard users and non-users	Faculty	Dr. Keba
17.	Comparative analysis of self-learning vs didactic teaching methodologies among 2nd year allied health sciences students of Velammal allied health science college	Faculty	Dr. M Brahadeesh
18.	Evaluation of prevalence of inter-arm blood pressure difference in early pregnancy and its association with pregnancy induced hypertension	Faculty	Dr. K Rekha
19.	Analysis of effects of duration and quality of sleep on pain threshold and nerve conduction velocity on medical students	Faculty	Dr. A S Kanietha Priya
20.	Serum magnesium - can it be a predictor of gestational hypertension?	Faculty	Dr. K Sasikala





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21.	To study the effectiveness of oral zinc as an adjuvant therapy in the treatment of pneumonia in hospitalized children in a tertiary care centre in Madurai	Faculty	Dr. S Dhivya
22.	Profile of systemic vasculitis - tertiary care centre	Student	Ms. Jane S
23.	Anatomical variations of vertebral artery groove in atlas vertebra and its clinical implications	Faculty	Dr. Parineetha
24.	Differentiating dengue from malaria based on haematological profile in a tertiary care centre	Faculty	Dr. Yegumuthu
25.	Effect of breathing practices on visual and auditory reaction time, pain sensitivity, temperature and capillary blood glucose level of young and elderly population in Madurai	Student	Mr. V Mathava
26.	Effects of right, left, and alternate nostril breathing exercise in patients with hearing loss	Student	Mr. V Mathava
27.	To compare the findings of nail fold capillaroscopy of toes with fingers in systemic sclerosis	Faculty	Dr. Nirmal
28.	Evaluation of association of serum vitamin D and MDA in non-obese diabetic patients with and without retinopathy	Faculty	Dr. Hariharan
29.	A study on bacteraemia in blood and CSF after naso-tracheal intubation in base of skull fractures	Faculty	Dr. V Sethu Mathava Kumar
30.	Fungal culture and sensitivity in treating recurrent dermatophytosis: a prospective observational study	Faculty	Dr. Gnana Sekaran
31.	Prevalence of menstrual disorders among college girls in age group 18-22 years	Faculty	Dr. S Rajarajeshwari

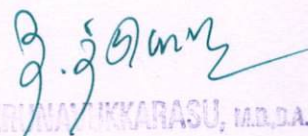
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32.	A quasi-experimental short-term uncontrolled before and after study assessing the effects of LCHF (low carbohydrate healthy fat) diet in obese adults	Faculty	Dr.Deyananda Chakravarty M
33.	Use of prescription audit as a method of learning for writing medical prescription	Faculty	Dr. Raj Kishore Mahato
34.	Post-natal evaluation, clinical outcome and risk factor assessment for antenatally detected hydronephrosis in infants	Faculty	Dr. T Karthik Raj
35.	Reference values of perfusion index in healthy term neonates in the immediate postnatal period	Faculty	Dr. V Manikandasamy
36.	Evaluation of perfusion index versus non-invasive hemodynamic parameters as stress indicator during exercise	Student	Ms. M Haritha Kalyan
37.	Immediate effect of alternate nostril breathing exercises on vascular parameters in hypertensive patients	Student	Ms. Vaira Praveena
38.	Understanding etymology: awareness among medical fraternities and tool in better understanding of medical curriculum	Faculty	Dr. David Ebenezer
39.	Role of saline versus steroid nasal wash in post-operative patients with chronic rhinosinusitis with Sino-nasal polyps	Faculty	Dr. Maheshwaran

  
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#### List of On-going Project for the year of 2018-19

Sl. No.	Title of the Project	Faculty/ Students	Name
1.	A Prospective, Single-arm, Observational Registry Study Evaluating the Safety and Efficacy of Stent Fire hawk™ DES in the Treatment of Patients with Coronary Artery Lesions	Faculty	Dr. A Mathavan
2.	Unravelling the physiological mechanisms. of Heartfulness meditation (Pranahuti)-mediated benefits on cardiovascular risk	Faculty	Dr. A Mathavan
3.	Correlative analysis of histopathology and immunohistochemistry in various cancers, with particular reference to poorly differentiated/ undifferentiated cancers	Faculty	Dr. Lavanya R
4.	Screening for congenital hypothyroidism by cord blood TSH - a retrospective study	Faculty	Dr. R V Jeyabalaji
5.	Metabolic biomarkers of prognosis-An insight into clinical, hemodynamic and biochemical markers in intensive care patients	Student	Ms. S Dharshini
6.	Health related quality of life among diabetic patients in a tertiary hospital: a cross sectional study	Faculty	Dr. Saravanan
7.	Capillary and venous blood glucose estimation: role of iterating self-monitoring blood glucose technique	Faculty	Dr. M Saravanan
8.	Effectiveness of health education on first aid measures among Velammal school students of Ladanendal and Madurai	Student	Dr. R M Jeyasureyan





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9.	Extent of indoor air pollution among married women in selected rural areas of Tamil Nadu and its impact on their health	Faculty	Dr. K Jeyashree
10.	Effect of Low carbohydrate high fat (LCHF) diet in Glycaemic, Lipid profiles and inflammatory markers in Type 2 Diabetes mellitus patients.	Faculty	Dr. K Rekha
11.	Incidence of magnesium deficiency in diabetes patients and its complications	Faculty	Dr. A Sangeetha
12.	Pharmacoeconomic evaluation of cost of haemodialysis in patients with chronic kidney disease: a cost-of-illness study from Madurai, Tamil Nadu	Faculty	Dr. B N Vallish
13.	Diabetic retinopathy [DR.] a potential predictor of cognitive dysfunction in -Type 2 diabetes mellitus patients.	Faculty	Dr. M Shanthi
14.	Perception regarding barriers for cervical cancer screening among women in South India (Tamil Nadu)	Faculty	Dr. Trupthi Bodhare
15.	A study comparing the timbre of different musical sounds used in music therapy and its effect on the quality of sleep in medical students with insomnia	Faculty	Dr. S Anu
16.	Seroprevalence of hepatitis B and C virus among master health check-up individuals by chemiluminescence immunoassay	Faculty	Dr. Raja
17.	Effect of mint-flavoured chewing gum in observing changes in cognitive function while assessing test performance	Faculty	Dr. Jayashree

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18.	Profile of vitamin B12 deficiency and its association with diet among in patients in a tertiary care hospital in Madurai, South India	Faculty	Dr. Sangeetha
19.	Bacteria predictive factors in symptomatic blood culture positive inpatients admitted in tertiary care hospital	Faculty	Dr. Virgin joena
20.	A study on the knowledge, attitude and practice of rational use of antibiotics among interns based on predesigned proforma	Faculty	Dr. Virgin Joena
21.	Arkray biochemistry analysers (SPD 4430, SPD 4810 and SPD 4820) clinical performance evaluation	Faculty	Dr. P K Mohanty
22.	The APLAR Spondylarthritis(SPA) Registry	Faculty	Dr. N Subramanian
23.	First Aid Skills - Assessment of Knowledge among Undergraduate Medical Students in a Medical College, South Tamilnadu	Faculty	Dr. Sudharsan
24.	Prevalence of vaginal discharge among reproductive women-a hospital based cross sectional study	Faculty	Dr. V. Sriandaal
25.	Teaching public health ethics in Indian context to undergraduate medical students: Design, implementation and evaluation of a blended learning module	Faculty	Dr. Samir Bele
26.	Perception of blended learning using textbooks and E-books among medical students.	Faculty	Dr. Samir Bele
27.	A study to assess the knowledge, attitude and practical about HIV	Faculty	Dr. M. S.Regan





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	and its related ethical issues among medical interns in a medical college in Tamilnadu		
28.	Impact of a simple health educational programme on knowledge, attitude and practice of dengue fever among high school students in a rural and urban area of Madurai".	Faculty	Dr. R. Haribhaskar / Dr.M.S.Regan
29.	Relation between mobile phone addiction and psychological co morbidities such as anxiety, depression	Faculty	Dr. C.Deiveegan
30.	Awareness among parents residing in rural Madurai regarding newer vaccines	Faculty	Dr.C.Deiveegan
31.	Quality of life in patients with rheumatoid arthritis	Faculty	Dr.Trupti Bodhare
32.	Self-determination among medical students: an empirical study	Faculty	Dr.Trupti Bodhare
33.	Study of the quality of life & mental health among leprosy patients – a cross sectional study.	Faculty	Dr. Dharshini Priya B/ Vijay Anto
34.	Tacrolimus Concentration/Dose Ratio: A Tool to Guide Tacrolimus Dosage after Transplantation	Faculty	Dr. Mamatha T Shenoy

*9.3.2017*  
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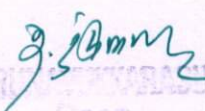
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#### List of On-going Project for the year of 2019-20

Sl. No.	Title of the Project	Faculty/ Students	Name
1.	Tacrolimus Concentration/Dose Ratio: A Tool to Guide Tacrolimus Dosage after Transplantation	Faculty	Dr. Mamatha T Shenoy
2.	Etiological spectrum of cirrhosis patients attending a tertiary care hospital in the southern part of India	Faculty	Dr.A.C.Arun
3.	Sex determination from lower end of humerus using morphological traits in Indian population	Faculty	Dr. Rajan S
4.	A trial of intra-operative low-tidal-volume ventilation in off pump coronary artery bypass grafting surgery	Faculty	Dr. Dilip Vijay
5.	Perceived Stress, Sources of Stress and Coping strategies among Undergraduate medical students of a Private Medical College in Madurai city, Tamilnadu: A Cross Sectional Study.	Faculty	Dr. Trupti Bodhare
6.	Ceftazidime - Avibactam in the treatment of complicated UTI with Multi Dr.ug resistant organisms. - comparison with existing best therapy	Faculty	Dr.S.Vijay Anand
7.	VMCH-HCL-Arkay Project	Faculty	Dr. P K Mohanty

  
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**List of On-going Project for the year of 2021-22**

SL. No.	Title of the Project	Faculty/ Students	Name
1.	Isolation and Characterization of human pancreatic islet cells as a therapy to cure Type 1 diabetes in India- Phase 1	Faculty	Dr. Senthil
2.	Phenotypic and Genotypic study of Ceftazidime-Avibactam resistance in clinical isolates of Carbapenem resistant Klebsiella pneumonia from a tertiary care hospital in south India.	Student	Dr.Varshini.M
3.	Early detection of dengue virus using small RNA and epigenome markers	Faculty	Dr. Pravin Raj Solomon
4.	Clinico-histopathological and immunohistochemistry correlation in soft tissue tumors	Student	Dr.Ponni.R
5.	Clinico-pathological correlation of various prognostic factors with the study of tumor infiltrating immune cells in colorectal carcinoma.	Student	Dr.Monishaa C
6.	Role of host genetics in susceptibility to COVID-19 infection.	Student	Dr. Fayaz Basha
7.	Renal cell carcinoma – subtyping, grading, radiological findings and histopathological correlation	Student	Dr. R C Kavyappriya
8.	Clinicopathological and immunohistochemical evaluation of prognostic factors in breast carcinoma	Student	Dr. Shayher Banu





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9.	Comparison Between Supraclavicular and Infraclavicular Subclavian Vein Catheterization Using Ultrasound Guidance	Student	Dr. R. Ramji
10.	Opioid free anaesthesia and opioid anaesthesia for postoperative pain in laparoscopic surgeries - a comparative study	Student	Dr. Naveen Raj R
11.	Estimation of Maternal morbidities & its determinants among Paliyar tribal women: a mixed method study	Student	Dr. Balakumaran. B
12.	Effect of group-based diabetes self-management education on self-care, glycaemic control and quality of life among patients with type 2 Diabetes Mellitus: A Quasi-experimental study	Student	Dr. Dinesh. S
13.	Prevalence of rare fungal isolates in patients with head and neck infections by molecular techniques	Student	Dr. R Shaily
14.	Comparison of ultrasound guided quadrates lumborum plane block with bupivacaine and ropivacaine as adjuncts for post-operative analgesia in lower abdominal surgeries	Student	Dr. T. Nevathitha
15.	Erector spinae block versus oblique subcostal TAP block for laparoscopic cholecystectomy patients- A comparative study	Student	Dr. T. Dhivya
16.	Study of Dermoscopic Findings in Dermatophytosis Patients	Student	Dr. Sri Krishna Priya M

17.	Study of Nail fold Capillaroscopy	Student	Dr. Shibani M.
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	Findings in Type 2 Diabetes Mellitus Patients with and Without Retinopathy		
18.	Haematological parameters in newly diagnosed patients of systemic lupus erythematosus	Student	Dr. Mohan Kumar Panner Selvam
19.	To Study the Prevalence of Vitamin D deficiency And Its Correlation with Anaemia in Patients with Chronic Kidney Disease	Student	Dr. Anusha C
20.	Body composition indices and predicted cardiovascular disease risk profile	Student	Dr. E. Kiranlal Yadav
21.	Electrochemical and Optical Miniaturized Biosensors for Detection of Food Toxins	Faculty	Prof VS Vasantha
22.	A study on association of RBP4 gene SNP with dyslipidaemia in hypothyroid and euthyroid	Student	Dr. Varadan M
23.	Impact of Non-pharmacologic Interventions On Cardiovascular parameters in Prehypertensive Individuals	Student	Dr. S. P. Kausikan
24.	A comparative study of Functional outcome in patients undergoing anterior cruciate ligament reconstruction with medial meniscal tear repair vs anterior cruciate ligament reconstruction with medial meniscal resection	Student	Dr. P Swathika
25.	Functional and radiological outcome analysis of percutaneous intramedullary multiple K wire fixation for treatment of unstable displaced metacarpal fractures	Student	Dr. Gokul Kumar J
26.	Adductor canal block versus periarticular infiltration versus	Student	Dr. Jesmick Ponniah K





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	epidural analgesia for pain control following total knee arthroplasty - a comparative analysis		
27.	Comparison of Doppler Ultrasonography with CT Angiography in Evaluation of Peripheral Arterial Disease of Lower Limbs	Student	Dr. Sarah Shaheen Shakir
28.	Role of Ultrasound-Gray scale and Colour Doppler Imaging in Characterisation of Breast lesions	Student	Dr. R Krithika
29.	Comparison of post contrast T1W, MAGNETISATION TRANSFER(MT) and post contrast T2 FLAIR sequences in detection of meningeal enhancement in meningeal diseases	Student	Dr.Kautham Guru R
30.	Comparative study between vacuum assisted closure Dressing Vs normal conventional Dressingin diabetic foot ulcer	Student	Dr.Manibharath SP
31.	A Comparative Study of Band Ligation V/S Sclerotherapy in Internal Haemorrhoids.	Student	Dr.Samrobinson J
32.	Image guided versus Palpation guided core needle biopsy in palpable Breast lesion – a comparative analytical study	Student	Dr. Gowtham K
33.	Veress needle method versus modified Scandinavian technique for primary trocar in laparoscopic surgery – a comparative study	Student	Dr. Karthika M
34.	Ocular manifestations in patients on dialysis in a tertiary care centre	Student	Dr. SJ Shanmanthi
35.	Correlation between central corneal thickness and degree of myopia.	Student	Dr.Sundareswari T
36.	A Study of Nasal packing in post-	Student	Dr.G.Nithin Ragav





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	operative Nasal surgery patients in a Tertiary care centre in the southern part of India.		
37.	A comparative study of efficacy of low dose amitriptyline versus gabapentin as co - analgesics in patients receiving oral opioid analgesic for malignancy associated pain.	Student	Dr. Anitha Prasath
38.	Role of Host genetics in susceptibility to COVID-19 infection	Student	Dr. Fayaz Basha
39.	Clinico-histopathological and immunohistochemistry correlation in soft tissue tumors	Student	Dr.Ponni.R
40.	Renal cell carcinoma – subtyping, grading, radiological scoring and histopathological correlation	Student	Dr. R C Kavyappriya
41.	Effect of group-based diabetes self-management education on self-care, glycaemic control and quality of life among patients with type 2 Diabetes Mellitus: A Quasi-experimental study	Student	Dr. Dinesh. S
42.	Prevalence of rare fungal isolates in patients with head and neck infections by molecular techniques	Student	Dr. R Shaily
43.	Electrochemical and optical miniaturized Biosensors for detection of Food Toxins	Faculty	Prof. V.S. Vasantha

44.	Observational study to determine average resting Heart Rate in patients with Heart Failure with reduced Ejection Fraction (HRREF): Real World Registry (Milestone	Faculty	Dr. Selvaganesh
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	Registry)		
45.	The influence of social media on sleep quality in medical students	Student	Ms. Geetika Prasad
46.	Utilization pattern of household latrine among residents of Madurai district-a cross-sectional study	Faculty	Dr. V Sriandal
47.	Has Covid -19 disrupted vaccination among Children below 2 years of age? A cross-sectional study in Madurai District	Faculty	Dr. Sudhir Ben Nelson
48.	A cross-sectional study on impact of lockdown on the nutritional status of Children who were beneficiaries of Anganwadi in Madurai District.	Faculty	Dr. Sudhir Ben Nelson
49.	Health related quality of life and socioeconomic burden of diabetic foot ulcer among patients attending tertiary care hospital in south India	Student	Dr.Balakumaran.B
50.	Thrombosis as a surrogate marker in sputum negative pulmonary tuberculosis	Faculty	Dr. P Niranjan Prabhakar
51.	Effects of various storage condition on selected biochemical analytes in plasma and serum samples	Faculty	Dr. A Hariharan
52.	Assessment of Global LV strain with 2D speckle tracking echocardiography (STE) pre and post cardiac resynchronisation therapy(CRT) in patients with Left bundle branch block (LBBB)	Faculty	Dr. Sruthi Meenaxshi
53.	Acute liver failure in Children and risk factors associated with outcome	Faculty	Dr.U.Sridhurga
54.	Clinical Profile of Traumatic Brain Injury In Children - In a tertiary hospital in South India	Faculty	Dr.U.Sridhurga

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55.	Reliability and Validity of R <sup>3</sup> Sleep Disturbance Assessment Scale (RSAS)	Faculty	Dr.R.Revathi
56.	Clinical performance evaluation ARKRAY POCT Analyzer (CRP: SD-3810, SD-3800, SD 9810) (Blood Ammonia: PA-4140)	Faculty	Dr. P K Mohanty
57.	Radio Frequency Ablation (RFA) Performance Assessment - Tissue Testing Activities	Faculty	Dr. Raj Kishore Mahato
58.	An observational study to assess Medication Errors in a Tertiary Care Teaching Hospital in South Tamil Nadu	Faculty	Dr. Sindhu S
59.	Communication Skill: Non-Tripod Pen Holding-Its Incidence and Effects on Academic Outcomes	Faculty	Dr. Raj Kishore Mahato
60.	Post covid psychological impact on school going Children	Student	Ms. S.M. Krithikalakshmi
61.	Comparison of various prognostic histopathological parameters in untreated and post chemotherapy invasive breast carcinoma with tumour infiltrating immune cells density	Faculty	Dr. K R Vijayabaskar Mithun
62.	Effect of Lung Specific Yoga MuDr.as on Pulmonary Function Tests in subjects with FEV1% predicted values less than 80%	Student	Mr. Rohit Paul
63.	Accuracy of ultrasound estimation of fetal weight in correlation with actual birth weight	Student	Dr.Srilekha Elango
64.	Etiological spectrum of acute pancreatitis in patients attending a tertiary care hospital in southern Part of India	Student	Dr.S Abarjitha
65.	Prospective multicentre Indian Registry on Conduction system	Faculty	Dr.Shunmuga Sundaram

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	pacing for bradyarrhythmia and Heart failure (Funded)		Ponnusamy
66.	Anatomical localization of left bundle branch area pacing lead and correlation with LBB capture – Insights from computed tomographic contrast angiography imaging (Funded)	Faculty	Dr.Shunmuga Sundaram Ponnusamy
67.	Impact of conducting hand hygiene audit in covid-19 care locations of India—a large scale national multicentric study (HHAC study)	Faculty	Dr. G Vithiya
68.	Surveillance of multidrug resistance, extensively Dr.ug resistance and panDr.ug resistant organisms. for healthcare facilities using automated AST system- A large scale national multicentric study (V-AMR study).	Faculty	Dr. G Vithiya
69.	A Comparative study of Pain Threshold in COVID & Post COVID 19 patients	Student	Dr. K Srividhya
70.	Clinical profile of Post Covid Mucor mycosis	Student	Dr. K Srividhya
71.	Role of Vitamin D concentration in severity and outcome in patients with COVID-19	Faculty	Dr.A.Hariharan
72.	Comparison of various mortality and morbidity scoring system in COVID19 patients	Faculty	Dr.A.Hariharan

73.	A study comparing the effect of different exercises as a treatment method for PCOS associated metabolic Syndrome	Student	Ms. Rohita S
74.	Comparison between red cell distribution width and red cell indices in prediction of anaemia	Faculty	Dr.K.R.Vijayabaske rMithun

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	among pregnant women		
75.	Prevalence of asymptomatic bacteriuria in middle aged and elderly women in a southern district of Tamil Nadu –a cross sectional study	Student	Ms. Anjali Rebecca Abraham
76.	Variations in surface temperature in joint replacement patients	Student	Dr. Ramanathan. A
77.	Peer Assisted Learning module in Biochemistry amongst undergraduate MBBS students	Faculty	Dr. Mamatha T Shenoy
78.	Study of Non-invasive fibrosis scores with biochemical markers in metabolic dysfunction-associated fatty liver disease detected by ultrasonography	Faculty	Dr. Mamatha T Shenoy
79.	Analysis of functional and radiological outcome of internal fixation of distal femur fracture	Student	Dr.Krishnaraj A
80.	Attangaogam (Ashtanga yoga) – Athanam(Asanas) and Pranayamam as a healthy lifestyle practices for health professionals during COVID-19 pandemic – A perception study	Faculty	Dr.K.Suganthi
81.	Attangaogam (Ashtanga yoga) – Athanam(Asanas) and Pranayamam as a therapeutic intervention in management of COVID-19 – An experience in a tertiary care hospital in south Tamilnadu	Faculty	Dr.K.Suganthi
82.	Effect of Different Types of Anaesthetic techniques in Easing the Surgical Technique of Spine Surgeries from a Spine Surgeon's Perspective: A Prospective Randomized Study of 140 cases	Student	K.M. Madhu Varshinee
83.	Anatomical Variations of Foramen Transversarium in Typical Cervical	Faculty	Dr. Parineeta Suman

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	Vertebrae and Its Clinical Implications		
84.	Impact of COVID -19 on Nervous system	Student	Dr. S.P. Kausikan
85.	Prevalence of Renal and hepatic dysfunction due to COVID 19 and its impact in the severity and outcome	Faculty	Dr. A. Hariharan
86.	Prevalence of renal and hepatic dysfunction due to COVID 19 and its impact in the severity and outcome	Faculty	Dr. A. Hariharan
87.	A cross sectional study on the quality of life among the elderly living in different social environments in Madurai	Faculty	Dr.V.Sriandaal
88.	Determinants of dietary practices and eating behaviour among infants and toddlers	Faculty	Dr.Nirosha.P
89.	Knowledge of postnatal mothers on essential newborn care in tertiary care hospital	Faculty	Dr.Nirosha.P
90.	Outcome of Arthroscopic Stabilisation In Relation to Number of Shoulder Dislocations Prior to Intervention.	Student	Dr. A Vibusudhan
91.	Comparison of dexmedetomidine, clonidine and fentanyl as an adjuvant to intrathecal bupivacaine in lower limb surgery	Student	Dr.T. Nevathitha
92.	COVID in pregnancy- an overview'	Student	Ms.S.Iswarya
93.	Haematological characters of patients with active pulmonary, extra pulmonary and disseminated tuberculosis	Faculty	Dr.P.NiranjanPrabhakar
94.	The Role of Biomarkers In Covid-19	Faculty	Dr.P.NiranjanPrabhakar

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95.	Prevalence of excessive screen time and its psychological effects among school Children in Madurai city during the covid pandemic	Faculty	Dr. Vidhya S
96.	Impact of COVID -19 on Nervous system	Student	Dr.S.P.Kausikan
97.	Readiness among faculties for Self - directed Learning in Medical Education - A perception study	Faculty	Dr.K.Suganthi
98.	A comparative study on pre operative nebulisation with ketamine and magnesium sulphate for prevention of post-operative sore throat	Student	Dr.Naveen Raj R
99.	The effect of intravenously administered dexmedetomidine different doses on Hemodynamics response to intubation in patients undergoing surgery under general anesthesia	Student	Dr.R.Ramji
100.	Segmental spinal for laparoscopic surgeries - A Prospective study	Student	Dr.T.Dhivya
101.	Costoclavicular versus lateral sagittal approach for upper limb surgeries- A Prospective comparative study	Student	Dr.T.Dhivya

102.	A comparison of intrathecal Dexmedetomidine, clonidine, and fentanyl as adjuvants to hyperbaric bupivacaine for lower limb surgeries	Student	Dr.T. Nevathitha
103.	Functional and Radiological outcome of surgical management of thoracolumbar spine fractures	Student	Dr. Afzal A Sathar





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104.	Will thromboprophylaxis increase the incidence of osteoarthritis?	Student	Dr. K Srividhya
105.	A study to assess the clinical profile of newly diagnosed colorectal carcinoma cases in Tamilnadu	Faculty	Dr. B Ganga
106.	Analysis of factors predicting the disease severity in patients with inflammatory bowel disease	Student	Dr. K. Haritha
107.	Survey Among Medical Students on E – Learning: A Cross Sectional Study	Faculty	Dr. A. Janani
108.	Effects of four different positive airway pressures on right internal jugular vein catheterisation	Student	Dr. R. Ramji
109.	Effect of varying time intervals between fentanyl and propofol administration on propofol requirement for induction of general anaesthesia	Student	Dr. R. Ramji
110.	A case series of patients presenting with ocular manifestations due to covid related Mucor mycosis	Faculty	Dr. J. Ramapriyadharshini
111.	Systemic lupus erythematosus: correlation between serology and clinical manifestation	Student	Dr. K Srividhya
112.	Cardiopulmonary manifestation in Systemic Lupus Erythematosus patients	Student	Ms. Swathi Balasubramanian
113.	To find the changes in blindness causes in Children and identify low vision Children from totally blind and provide appropriate intervention	Faculty	Dr.K.I.Lango
114.	Effectiveness of direct observation of procedural skill as an assessment tool for digital tonometry for ophthalmology students	Faculty	Dr.K.I.Lango





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115.	Assessment of present glycaemic status of gestational diabetes mellitus mothers diagnosed between 2014-2020 in rural Madurai - A cross sectional study	Student	Dr. B. Balakumaran
116.	Stress, Anxiety and Burnout among Community health workers in rural Madurai: A cross sectional study	Student	Dr. B. Balakumaran
117.	Evaluation of PFT (Spirometry) in Post treated cases of Pulmonary TB- a retrospective study)	Faculty	Dr. P. Niranjan Prabhakar/Dr. C Ramesh
118.	A Cross sectional study to assess the status of blood pressure in previously diagnosed Pregnancy induced hypertension mothers in between the year of 2014 to 2020 in rural areas of Madurai district.	Student	Dr.Dinesh.S
119.	A Cross sectional study to assess the prevalence of Digital eye strain among MBBS students of VMCH&RI, Madurai	Student	Dr.Dinesh.S
120.	Comparison of erector spinae plane block and local anaesthetic infiltration of the incision site with 0.375% ropivacaine for postoperative analgesia in percutaneous nephrolithotomy	Student	Dr. Naveen Raj R
121.	Functional and radiological outcome of surgical management of thoracolumbar spine fracture.	Student	Dr. Afsal A Sathar
122.	Magnetic resonance imaging based Dual lead cardiac resynchronization therapy: A prospective study on left bundle branch pacing (MADURAI LBBP study)	Faculty	Dr. P Shunmuga Sundaram
123.	Does ultrasound assessment of anatomic variation of first extensor	Student	Dr. Gokul Kumar

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	compartment guide in Dequervain's release		
124.	A multicentric audit of the current treatment practices among Indian rheumatologists for early axial spondylarthritis (AXSPA) and their short-term (6-month) outcome	Faculty	Dr. N Subramanian
125.	Bacteriological profile and Antibigram of surgical site infections in a tertiary care hospital	Student	Dr.KrithikaVarshini .M
126.	Histopathological spectrum of central nervous system tumors in tertiary care institute	Student	Dr.Monishaa C
127.	Fine-needle aspiration cytopathology of salivary gland lesions using the Milan system for reporting of salivary gland pathology with histopathology correlation	Student	Dr.Monishaa C
128.	Candidal blood stream infection:Epidemiology and antifungal susceptibility in a tertiary care hospital	Student	Dr.Shaily.R
129.	Method verification of thyroid hormone assay by Electrochemiluminescence	Faculty	Dr. R. Asothai
130.	Does ultrasound assessment of anatomic variation of first extensor compartment guide in Dequervain's release?	Student	Dr. Gokul Kumar J
131.	Clinical Profile of Autoimmune Diseases in Paediatric Age Group - A Retrospective Observational study	Student	Ms. Advaita Ashwath
132.	Correlation and comparison of lip prints and fingerprints with blood groups of medical students: A cross	Faculty	Dr. A Janani

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	sectional study		
133.	Retrospective analysis of microbial spectrum and antimicrobial resistant pattern in pathogens isolated from a Multispecialty Hospital	Student	Dr.Fayaz basha S
134.	Safety and efficacy of citrate based CRRT in liver failure	Faculty	Dr.U.Sridhurga
135.	A retrospective study on antibiotic susceptibility pattern of multi-Dr.ug resistant Gram-negative bacteria isolated from blood culture in a tertiary care hospital in South India	Faculty	Dr. Muthu Meera R
136.	Association Of Vitamin D Status With Premenstrual Syndrome And Blood Pressure Variation In Luteal Phase Among Students Of A Tertiary Care Institute: A Prospective Study	Student	Ms. Niranjana Krishnakumar
137.	Plasma Ammonia Assay – Experience in a Diagnostic Laboratory in Tertiary Care Hospital.	Faculty	Dr. Viveka M
138.	Study of Serum HDL Cholesterol and Triglycerides – Simple Routine Biochemical Parameters to Predict the Prognosis of Sepsis	Student	Ms. Afrah Abdul Malick
139.	Comparison of serum and salivary urea and creatinine in pre dialysis and post dialysis patients – A Case control Study	Student	Ms. Vaishnavi .N.B
140.	Molecular Epidemiology, Antifungal resistant profile and genome analysis of fungal pathogens causing invasive and non-invasive infections	Faculty	Dr. R. Siva Ganesa Karthikeyan
141.	Genome-wide miRNA Expression analysis to Understand Disease Pathogenesis and Exploring	Faculty	Dr. R. Haribalaganesh



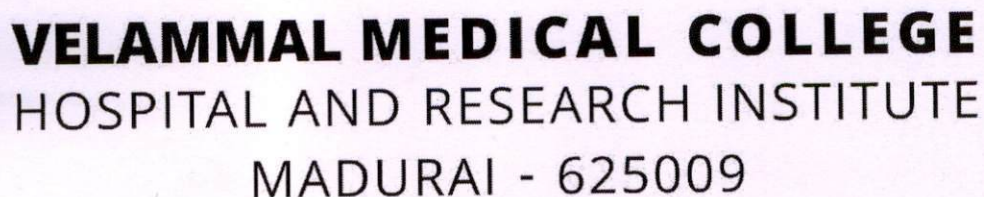


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	Potential Biomarkers for Rheumatoid Arthritis		
142.	Study of clinical, proteome and haematological profiling among medical Graduate: Post-acute sequelae of SARS-CoV-2 infection	Student	Ms.Rajaharini Sivakumar
143.	Effect of low dose dexmedetomidine on postoperative gastrointestinal recovery in off pump cardiac surgery patients	Student	Dr.T.Dhivya
144.	Comparison of effect of carbetocin and oxytocin in caesarean section	Student	Dr.T. Nevathitha
145.	A study of clinical, metabolic, inflammatory profile with Edge. and Triglycerides-glucose (TYG) index for predicting complications in type II diabetes mellitus	Student	Ms. Gomathy Thejashvini R
146.	Comparison of effect of dexmedetomidine added to 2% lignocaine with Adrenaline for mucosal infiltration on haemodynamic changes, blood loss and additional requirement of anaesthetics with placebo in functional endoscopic sinus surgery	Student	Dr. Monisha K
147.	Evaluation of a student orientation program in influencing student perceptions and attitude towards Pharmacology at a Medical College in south Tamil Nadu	Faculty	Dr. Sindhu S
148.	Effect of pre-operative cardiac consultation on perioperative anaesthetic management.	Faculty	Dr. Dilip Vijay

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Sl. No.	Title of the Project	Faculty/ Students	Name
1.	Risk factors for alcohol use relapse after abstinence in patients with alcoholic liver disease	Student	Ms. Nithya Shree
2.	Autonomic nervous system and raised intra-ocular pressure: cause and effect?	Student	Ms. Nithya Shree
3.	Study on sex differences in fingerprint ridge density of patent thumbprints by ink staining method in young adult Indian population	Faculty	Dr. Kishan R Siddapur
4.	Auditory and visual reaction time in shift workers	Student	Ms. M Abirami
5.	A cross-sectional study on distracted Driving practices among professional vehicle Drivers in Madurai, India.	Student	Mr C Madhan
6.	Morphological variation and occurrence of persistent metopic suture in Indian population	Faculty	Dr. Sabita Singh
7.	Risk factors for recurrent wheezing episodes in under-5 Children of South India	Faculty	Dr. J Jenish Rajma
8.	Comparison of motor nerve conduction velocity among chronic computer keyboard users and non-users	Faculty	Dr. Keba
9.	Comparative analysis of self-learning vs didactic teaching methodologies among 2nd year allied health sciences students of Velammal allied health science college	Faculty	Dr. M Brahadeesh
10.	Evaluation of prevalence of inter-arm blood pressure difference in early pregnancy and its association with pregnancy induced hypertension	Faculty	Dr. K Rekha

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11.	Analysis of effects of duration and quality of sleep on pain threshold and nerve conduction velocity on medical students	Faculty	Dr. A S Kanietha Priya
12.	To study the effectiveness of oral zinc as an adjuvant therapy in the treatment of pneumonia in hospitalized Children in a tertiary care centre in Madurai	Faculty	Dr. S Dhivya
13.	Profile of systemic vasculitis - tertiary care centre	Student	Ms. Jane S
14.	Evaluation of association of serum vitamin D and MDA in non-obese diabetic patients with and without retinopathy	Faculty	Dr. Hariharan
15.	A study on bacteraemia in blood and CSF after naso-tracheal intubation in base of skull fractures	Faculty	Dr. V Sethu Mathava Kumar
16.	Prevalence of menstrual disorders among college girls in age group 18-22 years	Faculty	Dr. S Rajarajeshwari
17.	A quasi-experimental short-term uncontrolled before and after study assessing the effects of LCHF (low Carbohydrate healthy fat) diet in obese adults	Faculty	Dr. Deyananda Chakravarty M
18.	Use of prescription audit as a method of learning for writing medical prescription	Faculty	Dr. Raj Kishore Mahato
19.	Post-natal evaluation, clinical outcome and risk factor assessment for antenatally detected Hydronephrosis in infants	Faculty	Dr. T Karthik Raj
20.	Reference values of perfusion index in healthy term neonates in the immediate postnatal period	Faculty	Dr. V Manikandasamy

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21.	Evaluation of perfusion index versus non-invasive hemodynamic parameters as stress indicator during exercise	Student	Ms. M Haritha Kalyan
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#### List of Completed Project for the year of 2018-19

Sl. No.	Title of the Project	Faculty/ Students	Name
1.	Comparison of effect of aspartame (artificial sweetener) and aspartame sweetened diet Drink on autonomic reactivity	Faculty	Dr. A S Kanietha Priya
2.	Effect of upper limb movements on muscles of the lower limbs in spinal cord injury patients	Student	Mr V Mathava Kumar
3.	Burnout among south Indian medical students, its association with extracurricular activities and sports, and its impact on performance in tests	Faculty	Dr. B N Vallish
4.	Effect of right, left, and alternate nostril breathing on oxidative status, vascular reactivity, and abdominal obesity in young healthy adults	Faculty	Dr. K Rekha
5.	Analysis of resting heart rate variability, reaction time, nerve conduction, evoked potentials, and pain threshold in professional Drivers	Faculty	Dr. A S Kanietha Priya
6.	App-based tracking of smartphone use and its association with perceived stress and sense of coherence among medical college students - a cross sectional study from Madurai, India	Student	Ms. Jane S Sathiavadivu
7.	Impact of catheter care bundle approach in the incidence of catheter associated urinary tract infection - a study from intensive care unit of a tertiary care hospital in Madurai, India	Faculty	Dr. S Raja

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8.	Microbiological and antimicrobial susceptibility profile of blood and body fluid isolates in a tertiary care centre - a South Indian study	Faculty	Dr. V G Geni
9.	Serum magnesium - can it be a predictor of gestational hypertension?	Faculty	Dr. K Sasikala
10.	Profile of systemic vasculitis - tertiary care centre	Student	Ms. Jane S
11.	Anatomical variations of vertebral artery groove in atlas vertebra and its clinical implications	Faculty	Dr. Parineetha
12.	Differentiating dengue from malaria based on haematological profile in a tertiary care centre	Faculty	Dr. Yegumuthu
13.	Effect of breathing practices on visual and auditory reaction time, pain sensitivity, temperature and capillary blood glucose level of young and elderly population in Madurai	Student	Mr V Mathava
14.	Effects of right, left, and alternate nostril breathing exercise in patients with hearing loss	Student	Mr V Mathava
15.	To compare the findings of nail fold capillaroscopy of toes with fingers in systemic sclerosis	Faculty	Dr. Nirmal
16.	Fungal culture and sensitivity in treating recurrent dermatophytosis: a prospective observational study	Faculty	Dr. Gnana Sekaran
17.	Immediate effect of alternate nostril breathing exercises on vascular parameters in hypertensive patients	Student	Ms. Vaira Praveena

18.	Understanding etymology:	Faculty	Dr. David Ebenezer
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	awareness among medical fraternities and tool in better understanding of medical curriculum		
19.	Role of saline versus steroid nasal wash in post-operative patients with chronic rhinosinusitis with sino-nasal polyps	Faculty	Dr. Maheshwaran

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List of Completed Project for the year of 2019-20

Sl. No.	Title of the Project	Faculty/ Students	Name
1.	A Prospective, Single-arm, Observational Registry Study Evaluating the Safety and Efficacy of Stent Fire hawk™ DES in the Treatment of Patients with Coronary Artery Lesions	Faculty	Dr. A Mathavan
2.	Unravelling the physiological Mechanisms. of Heartfulness meditation (Pranahuti)-mediated benefits on cardiovascular risk	Faculty	Dr. A Mathavan
3.	Correlative analysis of histopathology and immunohistochemistry in various cancers, with particular reference to poorly differentiated/ undifferentiated cancers	Faculty	Dr. Lavanya R
4.	Screening for congenital hypothyroidism by cord blood TSH - a retrospective study	Faculty	Dr. R V Jeyabalaji
5.	Metabolic biomarkers of prognosis-An insight into clinical, hemodynamic and biochemical markers in intensive care patients	Student	Ms. S Dharshini
6.	Health related quality of life among diabetic patients in a tertiary hospital: a cross sectional study	Faculty	Dr. Saravanan
7.	Capillary and venous blood glucose estimation: role of iterating self-monitoring blood glucose technique	Faculty	Dr. M Saravanan
8.	Effectiveness of health education on first aid measures among Velammal school students of Ladanendal and Madurai	Student	Dr. R M Jeyasureyan
9.	Extent of indoor air pollution among married women in selected rural areas of Tamil Nadu and its impact on their health	Faculty	Dr. K Jeyashree

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10.	Effect of Low Carbohydrate high fat (LCHF) diet in Glycaemic, Lipid profiles and inflammatory markers in Type 2 Diabetes mellitus patients.	Faculty	Dr. K Rekha
11.	Incidence of magnesium deficiency in diabetes patients and its complications	Faculty	Dr. A Sangeetha
12.	Pharmacoeconomic evaluation of cost of haemodialysis in patients with chronic kidney disease: a cost-of-illness study from Madurai, Tamil Nadu	Faculty	Dr. B N Vallish
13.	Diabetic retinopathy [DR.] a potential predictor of cognitive dysfunction in - Type 2 diabetes mellitus patients.	Faculty	Dr. M Shanthi
14.	Perception regarding barriers for cervical cancer screening among women in South India (Tamil Nadu)	Faculty	Dr. Trupthi Bodhare
15.	A study comparing the timbre of different musical sounds used in music therapy and its effect on the quality of sleep in medical students with insomnia	Faculty	Dr. S Anu
16.	Seroprevalence of hepatitis B and C virus among master health check-up individuals by chemiluminescence immunoassay	Faculty	Dr. Raja
17.	Effect of mint-flavoured chewing gum in observing changes in cognitive function while assessing test performance	Faculty	Dr. Jayashree
18.	Profile of vitamin B12 deficiency and its association with diet among in patients in a tertiary care hospital in Madurai, South India	Faculty	Dr. Sangeetha
19.	Bactremic predictive factors in symptomatic blood culture positive inpatients admitted in tertiary care hospital	Faculty	Dr. Virgin joena

20.	A study on the knowledge , attitude and	Faculty	Dr. Virgin joena
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	practice of rational use of antibiotics among interns based on predesigned proforma		
21.	Arkay biochemistry analyzers (SPD 4430, SPD 4810 and SPD 4820) clinical performance evaluation	Faculty	Dr. P K Mohanty
22.	The APLAR Spondyloarthritis (SPA) Registry	Faculty	Dr. N Subramanian
23.	First Aid Skills - Assessment of Knowledge among Undergraduate Medical Students in a Medical College, South Tamilnadu	Faculty	Dr. Sudharsan
24.	Prevalence of vaginal discharge among reproductive women-a hospital based cross sectional study	Faculty	Dr. V. Sriandaal
25.	Teaching public health ethics in Indian context to undergraduate medical students: Design, implementation and evaluation of a blended learning module	Faculty	Dr.Samir Bele
26.	Perception of blended learning using textbooks and E-books among medical students.	Faculty	Dr.Samir Bele
27.	A study to assess the knowledge, attitude and practical about HIV and its related ethical issues among medical interns in a medical college in Tamil Nadu	Faculty	Dr.M. S.Regan
28.	Impact of a simple health educational programme on knowledge, attitude and practice of dengue fever among high school students in a rural and urban area of Madurai".	Faculty	Dr. R. Haribhaskar /Dr.M.S.Regan
29.	Relation between mobile phone addiction and psychological co morbidities such as anxiety, depression	Faculty	Dr. C.Deiveegan
30.	Awareness among parents residing in	Faculty	Dr. C.Deiveegan





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	rural Madurai regarding newer vaccines		
31.	Quality of life in patients with rheumatoid arthritis	Faculty	Dr. Trupti Bodhare
32.	Self-determination among medical students: an empirical study	Faculty	Dr. Trupti Bodhare
33.	Study of the quality of life & mental health among leprosy patients – a cross sectional study.	Faculty	Dr. Dharshini Priya B/ Vijay Anto
34.	Tacrolimus Concentration/Dose Ratio: A Tool to Guide Tacrolimus Dosage after Transplantation	Faculty	Dr. Mamatha T Shenoy

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# VELAMMAL MEDICAL COLLEGE HOSPITAL AND RESEARCH INSTITUTE MADURAI - 625009

## List of Completed Project for the year of 2021-22

Sl. No.	Title of the Project	Faculty/ Students	Name
1.	Tacrolimus Concentration/Dose Ratio: A Tool to Guide Tacrolimus Dosage after Transplantation	Faculty	Dr. Mamatha T Shenoy
2.	Etiological spectrum of cirrhosis patients attending a tertiary care hospital in the southern part of India	Faculty	Dr.A.C.Arun
3.	Sex determination from lower end of humerus using morphological traits in Indian population	Faculty	Dr. Rajan S
4.	A trial of intra-operative low-tidal-volume ventilation in off pump coronary artery bypass grafting surgery	Faculty	Dr. Dilip Vijay
5.	Perceived Stress, Sources of Stress and Coping strategies among Undergraduate medical students of a Private Medical College in Madurai city, Tamilnadu: A Cross Sectional Study.	Faculty	Dr. Trupti Bodhare
6.	Ceftazidime - Avibactam in the treatment of complicated UTI with Multi Dr.ug resistant organisms. - comparison with existing best therapy	Faculty	Dr.S.Vijay Anand
7.	VMCH-HCL-Arkray Project	Faculty	Dr. P K Mohanty

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