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CHRISTIAN MEDICAL COLLEGE, VELLORE, INDIA**

Research studies related to the COVID 19 pandemic

S. No	PI	Department	Study title	IRB approval status
HEALTHCARE WORKERS				
1	Dr. Binila Chacko	Medical Intensive Care Unit	Serological evidence of exposure to SARS-CoV-2 among healthcare workers caring for critically ill patients admitted to intensive care with Severe Acute Respiratory Infection (SARI)	Expedite Approval
2	Dr. Sujith J Chandy	Clinical Pharmacology	ICMR-RUMC COVID-19 study on assessment of Prophylaxis in Health Care Providers	Approved
3	Dr. KPP Abhilash	Emergency Medicine	Risk of COVID-19 for frontline health care workers during the current pandemic	Approved
4	Drs. Indhu Ragavi A, Mariam Jacob	Emergency Medicine	Violence against health care workers in the emergency department during the COVID 19 pandemic	Pending Approval



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5	Dr K P P Abhilash	Emergency Medicine	Psychological impact on healthcare workers during COVID 19 pandemic	Approved
6	Dr. Mahesh Moorthy & Binila Chacko	Virology	Sero-epidemiological and immunological profiles of SARS-CoV-2 infection in a longitudinal cohort of health care workers at a tertiary care hospital during the COVID-19 pandemic	Expedite Approval
7	Dr. Sri vidya, Dr. Ann Mary Augustine	ENT (Otorhinolaryngology),	The effect of use of personal protective equipment on speech understanding in health care workers with normal hearing.	Approved
8	Dr. Naveen Kumar Suda	Anaesthesia	Aerosol generating procedures, how best are we using available personal protective equipment's during COVID pandemic? A Prospective observational study among anesthesiologists in a tertiary care center in south India.	Expedite Approval
9	Dr. Barney Issac	Pulmonary Medicine	To study the clinical profile, risk factors and outcome of COVID19 among health care personnel in a tertiary care hospital in South India	Approved



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10	Dr. Jyoti Avula	Anaesthesia	Knowledge, Attitude, Practices towards the use of Personal protective equipment (PPE) and its Psychological impact among Indian Anaesthesiologists during COVID19 Pandemic : A Questionnaire based multicentre survey in India.	Approved
11	Dr. Jerry Joseph	Anaesthesia	Prevalence, factors associated with anxiety, depression and stress and coping strategies among the anesthesia care providers in a tertiary care hospital in India during the COVID-19 pandemic.	Approved
12	Dr. Priscilla Rupali	HICC	Perceptions of healthcare workers regarding local infection prevention and control procedures for COVID-19: a rapid WHO survey	Approved
13	Dr. Leah Raju George	Anaesthesia	Use of simulation to help reduce contamination during intubation and extubation by ensuring adherence to institutional protocols amongst anaesthesia residents and technicians; in COVID times: A prospective cohort study.	Approved
14	Dr. Winsley Rose	Paediatrics	Contact tracing assessment of Health Care Workers to assess COVID 19 transmission dynamics	Approved



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15	Dr. Prasad Mathews	HICC	Can we use Sero-surveillance of SARS-CoV-2 infection as a protective correlate of health care worker safety?	Pending Approval
16	Dr. P.Aparanjit Paul	Anaesthesia	A Cross sectional Observational study to assess the knowledge about Corona virus and the safety measures to be taken during pandemic among Non Medical Health workers working in a Tertiary Hospital in Southern India.-A Questionnaire based Survey.	Pending Approval
17	Dr Shonima Aynipully Viswanathan	Child And Adolescent Psychiatry	Prevalence of burn out among health care workers During COVID---19 pandemic –a cross Sectional online survey	Approved
18	Dr. Swetha Madhuri Chikkala	Child And Adolescent Psychiatry	Knowledge attitude and practices among health care workers with infants, toddlers and children less than 6 years during the COVID 19 pandemic -an online study	Pending Approval
19	Dr Ajith John George	Surgery	Effect of a Self Portrait placed on full PPE on patients and healthcare workers during the COVID19 pandemic	Pending Approval



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20	Dr. Kowshik J	Emergency Medicine	To assess the breach in PPE (Personal Protective Equipment) during cardiac arrest resuscitation and outcome during the present COVID-19 pandemic in the Emergency Department	Pending Approval
PATIENTS/COMMUNITY- OBSERVATIONAL				
21	Dr. Anna Valsan	Nephrology	A mixed methods approach to understand the impact of government mandated lockdown to combat the spread of severe acute respiratory syndrome coronavirus 2 (SARS – CoV-2) infection on the lives of patients with chronic kidney disease requiring maintenance haemodialysis at a dialysis facility in South India"	Approved
22	Dr. Binila Chacko	Medical Intensive Care Unit	Clinical profile and outcomes of patients admitted to the medical intensive care unit (MICU) with SARS-CoV-2 infection"	Expedite Approval
23	Dr. Lovely Thomas	MICU	Diagnostic yield of respiratory tract samples in invasively ventilated critically ill patients with SARS–CoV2 infection- an observational study	Approved



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24	Dr. Kishore Pichamuthu	Critical Care	Cardiac manifestations in COVID-19 patients requiring hospitalization	Approved
25	Dr. KPP Abhilash	Emergency Medicine	A Clinico-epidemiological profile and outcome of Influenza like illnesses (ILI) presenting to the Emergency department during the COVID-19 pandemic	Approved
26	Dr. Biju George	Haematology	Clinical profile and outcomes of COVID 19 infection in patients with hematological disorders	Approved
27	Dr. Deepthi Boddu	Pediatrics unit I	Understanding the biochemical and immunological correlates of severity and outcomes of COVID-19 in children with cancer undergoing chemotherapy	Approved
28	Dr. Atif I. A. Shaikh	Neurology	Artificial Intelligence to predict severe Covid-19.	Pending Approval



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29	Dr. Santhosh Varughese	Nephrology	Clinical Evaluation and follow up of renal outcomes in patients with SARS- CoV-2 viral infection and acute kidney injury or end stage kidney disease	Approved
30	Dr. Rita Isaac, Prof. David Weller	RUHSA, University of Edinburgh	Trends in COVID19 epidemic and Impact study	Approved
31	Dr. Leni G Mathew	Pediatrics	Comparison of clinical profile, outcome and peripheral blood cell population data in children with COVID and non-COVID acute severe respiratory infection	Approved
32	Dr. Karthik Gunasekaran	Medicine	Gastrointestinal infection of SARS – CoV2 and its role in disease severity and community transmission.	Pending Approval
33	Dr. Snehil Kumar	Transfusion Medicine and Immunohaematology	Association of HLA typing and ABO Blood group to SARS-CoV-2 infection and its correlation to disease pattern and clinical severity – a single centre study from South India	Approved



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34	Dr. Sushil Selvarajan	Clinical Haematology	Correlating Haematological and Immunological Profile with outcomes and viral load in SARS CoV2 infection	Pending Approval
35	Dr K P P Abhilash	Emergency Medicine	The impact of lockdown on pre-hospital transport of patients with Emergencies presenting to the Emergency department	Approved
36	Dr. Rohin Mittal	Surgery 2	Outcomes of surgery in COVID-19 infection: international cohort study	Approved
37	Dr. Rohin Mittal	Surgery 2	Outcomes of elective cancer surgery during the COVID-19 pandemic crisis: an international, multicentre, observational cohort study	Approved
38	Dr. Joy Mammen	Department of Transfusion Medicine	A Phase II, Open Label, Randomized Controlled Trial to Assess the Safety and Efficacy of Convalescent Plasma to Limit COVID-19 Associated Complications in Moderate Disease.	Approved



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39	Dr. OC Abraham	General Medicine-4	An international randomized trial of additional treatments for COVID-19 in hospitalized patients who are all receiving the local standard of care	Expedite Approval
40	Dr. D J Christopher	Pulmonary Medicine	Profiling systemic inflammatory, homeostatic, and dual-action chemokine-cytokine signature among clinical sub-groups of Indian COVID-19 patients to identify plausible prognostic markers	Approved
41	Dr. Abu Philip Varghese	Psychiatry	Psychological impact on patients with mental illness and their caregivers during the COVID-19 pandemic	Approved
42	Dr. Balamugesh	Pulmonary Medicine	To study the clinical profile and outcome of COVID19 in patients with chronic respiratory disease in a tertiary care hospital in South India	Approved



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43	Dr. Valsan Philip Verghese	Paediatrics Unit-III.	Co-infection with SARS-CoV-2 and other respiratory viruses in children with pneumonia and severe respiratory infection.	Approved
44	Dr. Ashvini. V, Dr. Muthukrishnan. V, Dr. Satya Raj,	Child and Adolescent Psychiatry unit	Psychological impact of COVID-19 (Coronavirus disease-2019) pandemic in children and the effectiveness of Psychoeducational module in helping cope with mental health issues during COVID-19 pandemic in children – a preliminary quasi-experimental study	Approved
45	Dr. Sahana Nagaraj, Dr Karegaonkar Abhijeet Mukund, Dr Satya Raj	Child and Adolescent Psychiatry	Psychological impact of COVID-19 (Coronavirus disease- 2019) pandemic in children and the effectiveness of an internet-based Psychoeducation module in helping cope with mental health issues during COVID-19 pandemic in children – a quasi-experimental preliminary study.	Approved
46	Dr. KPP Abhilash	Emergency Department	Impact of the COVID 19 lockdown on the spectrum and outcome of trauma victims presenting to the Emergency department	Expedite Approval



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47	Dr. Mohan kamath	Reproductive Medicine	Knowledge, anxiety level and attitude of infertile couple towards COVID-19 infection and its impact on fertility treatment: a questionnaire based study.	Approved
48	Dr. Amita Jacob	Medicine 4	Knowledge, Attitudes and practice to COVID 19 infection among patients in a general medicine OPD	Approved
49	Dr. John Mathew	Clinical Immunology and Rheumatology	Impact of COVID 19 Pandemic on Patients with Chronic Rheumatological Disorders - An Online and onsite Survey of Patient Experience during the lockdown	Approved
50	Dr.Suranjan Bhattacharji	Physical Medicine and Rehabilitation, Endocrinology, Orthopaedics St Stephens hospital	Whose life matters? Challenges, Barriers and Impact of Covid 19 Pandemic on Persons with Disability (PwDs) and their care givers	Expedite Approval
51	Dr. Mudasir Farooq, Dr. Chandrasingh J,	Urology	Telemedicine for follow up of paediatric Urology patients during COVID 19 Pandemic in the India scenario: Professional and patient satisfaction, A questionnaires based cross sectional study in a tertiary care hospital in south India.	Expedite Approval



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52	Dr. John Jose	Cardiology	(RETRO)Trends in the epidemiology and management of acute coronary syndromes during initial phase of COVID-19 pandemic between 9th March and 17th May, 2020	Approved
53	Ms. Sheena Mary	Paediatric	Stress and psychological distress among children and adolescents on cancer treatment during COVID-19 pandemic	Approved
54	Dr. Anuradha Rose	Community Health	Effect of lockdown due to COVID 19 on Alcohol use and abuse in a tribal and rural setting.	Approved
55	Dr. Albert Abhinay Kota	Vascular Surgery	The Vascular Surgery COVID-19 Collaborative (VASCC)	Approved
56	Dr. Abhijit Goyal Honavar	Neurosurgery	A prospective study on the evaluation of postoperative fever in Neurosurgical patients in the COVID era	Approved
57	Dr. Jeethu Joseph Eapen	Nephrology	An observational study to determine the impact of governmental mandated lockdown to combat the spread of severe acute respiratory syndrome coronavirus 2 (SARS - CoV-2) on the lives of renal transplant recipients.	Approved



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58	Dr. Albert Abhinay Kota	Vascular Surgery	Prospective Validation of a Probability Calculation for Venous Thrombosis in Patients with COVID-19 Infection	Approved
59	Dr Ajith John George	General Surgery	Incidence of SARS COV 2 in blood, peritoneum and feces of nasopharyngeal RT PCR positive patients undergoing surgery	Approved
60	Dr. Sabina yusuf	Nephrology	Prospective study of COVID-19 in patients with renal biopsy proven immune mediated kidney diseases.	Expedite Approval
61	Dr. Rohit Nina Benjamin	Neurology	SARS- CoV2 infection in neurological disorders related to immune etiology.	Pending Approval
62	Dr. DJ Christopher	Pulmonary Medicine	Lung function impairment and injury post COVID 19 infection	Approved
63	Dr. Priyanka Daniel	Anatomy	Evaluation of Emergency remote learning for first year MBBS Neuroanatomy teaching during the COVID-19 lockdown.	Approved
64	Dr. Rohan Michael Ramesh	Division of Gastrointestinal Sciences	COVID-19 Community Awareness and Impact Study	Approved



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65	Dr Srinivasan.P	Emergency Medicine	Profile of patients with deliberate self-harm presenting to Emergency Department in a tertiary care centre during COVID-19 pandemic	Pending Approval
66	Dr. Audrin Lenin	Medicine 3	COVID-19 infection in pregnancy	Pending Approval
67	Mr. Pavan Kumar Mukherjee	Low Cost Effective Care Unit	Socio – economic impact and health-seeking behaviour during lockdown due to COVID 19 on the urban poor population of Vellore, Tamil Nadu, India.	Approved
68	Dr. Roshini	Paediatrics	Impact of COVID 19 pandemic related lockdown on adolescent health.	Pending Approval
69	Dr. Jeyashanth Riju J	Head & Neck Surgery	Impact of COVID -19 and lockdown on presentation and management of oral cancer in a tertiary care hospital.	Pending Approval
70	Dr. Vinod Abraham	Community Medicine	Effect of BCG Vaccination on COVID19 Pneumonia in High risk Subjects: A Randomized Control Trial	Pending Approval
71	Dr. Vineeth Varghese Thomas	Medicine	Quantifying the degree of reticulo-endothelial cell activation and its prognostic significance in COVID-19 patients with different stages of disease severity.	Pending Approval



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72	Dr. Barney Isaac	Pulmonary Medicine	Prevalence and risk factors of COVID-19 among non-ILI patients, screened for other indications in a tertiary care hospital in South India.	Pending Approval
73	Dr. DJ Christopher	Pulmonary Medicine	To correlate chest imaging scores in patients with COVID19 with disease severity and outcome	Pending Approval
74	Dr. KPP Abhilash	Emergency Medicine	Changing pattern of the prevalence and mode of trauma in 2020 through the Covid pandemic	Approved
75	Dr. Priscilla Rupali	Infectious Disease	Development & Implementation of a Biomarker-based Remotely-delivered Antimicrobial Stewardship (AMS) Strategy during the COVID-19 Pandemic	Pending Approval
76	Dr. Sudipata Dhar Chowdhury	Gastroentreology	Indications and outcomes of Urgent / Emergency Endoscopy Procedures in Tertiary Care Academic Centers during nationwide lockdown to combat Covid Pandemic – Multicenter retrospective study.	Approved



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77	Dr. George M Varghese	Infectious Disease	Seroprevalence of COVID -19 and its correlation with prior human coronavirus infection among different subpopulations in India.	Approved
78	Dr. Rajeev Zachariah Kompithra	Well Baby Immunization Clinic	Parental attitudes about continuing routine immunization during the coronavirus pandemic.	Approved
79	Dr. Jeba Karunya Ramireddy	Radiation oncology	Feasibility of Accelerated fractionation of Definitive Radiotherapy in patients with Carcinoma Cervix – An adaptation to COVID 19 pandemic	Pending Approval
80	Dr. K.P.Kiruthika	Pharmacology	To Study the Pharmacokinetic Drug Exposure of Colchicine When Used for the Prophylaxis against SARS-CoV-2 Infection in Patients on Hemodialysis.	Pending Approval
81	Dr. Priscilla Rupali	Infectious Disease	Epidemiological investigation of COVID 19 outbreak in Vellore district using geographic information system (GIS)	Pending Approval
82	Dr. Arul Premanand Lionel B	Infectious Disease	Clinical utility of SARS-COV-2 antibody detection in the diagnosis of COVID 19 infection in children	Pending Approval
83	Dr. Winsley Rose	Paediatrics	A cohort study to study SARS-Cov-2 (Severe Acute Respiratory Syndrome Corona Virus), Dengue and Chikungunya in India	Pending Approval



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84	Ms. Vinodha Sherin J	Developmental Pediatrics	Occupational performance of children with developmental disabilities and challenges of their parents during the pandemic of COVID-19	Pending Approval
85	Dr. Prashanth Chalageri	PMR	Knowledge, attitude & practices (KAP) regarding Covid-19 in rehabilitated SCI patients, its impact and acceptance level in the SCI community for tele consultation for health needs – A prospective questionnaire based cross sectional study.	Pending Approval
86	Dr Tulasi Geevar	Transfusion Medicine and Immunohematology	To study the role of circulating endothelial microparticles and Von Willebrand antigen in patients with COVID 19 infection.	Pending Approval
87	Dr. Rutvi Gautam Dave	Transfusion Medicine and Immunohematology	A study to assess differences in COAT platelets and P-selectin levels in COVID-19 positive patients in comparison with non-COVID-19 patients and health controls.	Pending Approval
88	Dr. Rohin Mittal	Surgery 2	GlobalSurg-CovidSurg Week: Determining the optimal timing for surgery following SARS-CoV-2 infection	Approved
89	Dr. Ramya Iyadurai	Medicine	Assessment of the diagnostic test accuracy of a proposed clinical scoring system for the diagnosis of COVID 19.	Pending Approval



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90	Dr. Yogendra Singh	Child and Adolescent Psychiatry	Attitudes towards video consultation for telepsychiatry services among psychiatrists, patients, and caregivers during the COVID-19 pandemic: an observational study.	Pending Approval
91	Mr. Nikhil Sahai	Department of GI Sciences	Tuberculosis treatment interruption and its determinants during the covid-19 lockdown in South India.	Pending Approval
92	Dr. Neeraj George Paul	Emergency Medicine	Impact of COVID -19 pandemic on the outcome of trauma victims presenting to Emergency Department (ED) as compared to pre- COVID period of 2018.	Pending Approval
93	Dr. Thejus Varghese	Emergency Medicine	Etiology of Acute Undifferentiated Febrile Illness Presenting to the Emergency Medicine department during the SARS-COVID19 pandemic.	Pending Approval
94	Dr Santhosh N	Urology	Inpatient consults in Urology: An analysis of patterns and changes due to COVID-19 pandemic	Approved
95	Dr. KPP Abhilash	Emergency Medicine	Spectrum of deliberate self-harm presenting to the ED during the COVID-19 pandemic.	Approved



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96	Dr. Ankush Gupta	Neurosurgery 1	Adapting management strategies for sellar-suprasellar lesions during the COVID-19 pandemic	Pending Approval
97	Mr. Heber Rew Bright B	Pharmacy	Information seeking behaviour due to COVID-19 pandemic-induced health anxiety among the general population in India	Approved
PATIENTS- CLINICAL TRIAL				
98	Dr. Biju George	Haematology	A Phase IIB open label randomized controlled trial to evaluate the efficacy and safety of Ivermectin in reducing viral loads in patients with hematological disorders who are admitted with COVID 19 infection	Approved
99	Dr. Annamalai V C	Nephrology	Colchicine for prophylaxis against SARS-CoV-2 infection in maintenance hemodialysis patients: a prospective, open label, randomized controlled trial	Pending Approval
100	Dr. Annamalai V C	Nephrology	Colchicine and Azithromycin for treating SARS-CoV-2 infection in maintenance hemodialysis patients: a prospective, open label, randomized controlled trial	Pending Approval



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LAB/ ANIMAL STUDIES				
101	Dr. Srujan Kumar Marepally	CSCR	Development of a lipid encapsulated mRNA based vaccine for SARS-Cov-2	Approved
102	Dr. Savit B. Prabhu	Wellcome Unit,	Early immunological changes and temporal kinetics of immune responses to SARS-CoV-2 in a cohort of immunologically naive health care workers who are naturally infected with SARS-CoV-2	Approved
103	Dr. Venkata Raghava Mohan	Community Medicine	Establishing sewage surveillance and laboratory testing methods for the environmental surveillance of COVID-19	Expedite Approval
104	Dr. George M Varghese	Infectious Disease	Evaluation of the performance of antibody detection tests (IgM and total) for the diagnosis of COVID-19.	Approved
PRODUCT SURVEY/DEVELOPMENT				
105	Dr. Arun Kumar A	Haematology	Generation of donor derived, virus specific T cells (VSTs) for treatment of SARS-COV-2 infections	Approved
106	Dr. Sathya Subramani	Physiology	Intensive care Monitor	Approved



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107	Dr. Mahesh Moorthy, Sangeetha Mohan	Clinical Virology, SciGenom	Development of a cost-effective IgM/IgG combined lateral flow assay for rapid point of care detection of SARS-CoV2 (COVID-19) infection	Approved
108	Dr. Mahesh Moorthy	Clinical Virology	Are fusion inhibitors potential pan-coronavirus therapeutic agents?	Approved
109	Dr. Priscilla Rupali	HICC	Effect of two sterilisation methods on viral RNA clearance from, Physical integrity of and filtration efficiency of N95 masks - an experimental study during the COVID-19 pandemic	Approved
110	Dr. J. Christopher Clement, Dr. Devakumar	VIT, Nuclear Medicine	High Precision Diagnosis of Novel Coronavirus from Chest X-Ray Images using DeepCOVID	Approved
111	Dr. Shoba Mammen,	Clinical Virology	A pilot study for rapid accurate detection of SARS-CoV2 virus using biosensor	Approved
112	Dr. Priscilla Rupali	HICC	A survey of oxygen and respiratory support capacity for COVID-19 and future pandemic preparedness.	Approved
113	Dr. KPP Abhilash	Emergency Medicine	Assessing the performance of Aerosol boxes while intubating in the Emergency department during COVID pandemic	Approved