



## **RESEARCH CELL RMLIMS**

*Faculty In charge:* Prof. Nuzhat Husain, (MD FICP IFCAP)

Attached to ResearchCell: Dr. N.J.Faridi

Advisor Account officer: Mr.Santosh Kumar Srivastava

### **Role of Research cell**

1. Management of Extramural research projects – funds and personnel
2. Management of Intramural research projects – presentations, approvals, selection, fund management
3. Organising meeting of Research Committee, Ethics Committee and agenda preparation of this committee
4. Management of PhD courses (planned): advertisement, admissions, presentations, foundation courses, examinations
5. To Run Central Lab Instrumentation facility through Dept of Pathology
6. To Conduct Research Methodology Courses, Organise symposia/workshop/conference on Research Methods and related issues.
7. To provide Bio statistical support for faculty and post graduates
8. To initiate MOU with existing medical and research laboratories of national repute in the city and adjacent area.

The Research Cell is located in the Administrative Block where meetings and presentations are held.

### **MEMBERS OF INSTITUTIONAL RESEARCH COMMITTEE (2017-20)**

<b>S. No.</b>	<b>Name</b>	<b>Department</b>	<b>Institution</b>	<b>Role</b>
1.	Director	-	RMLIMS, Lko	Chairman
2.	Dean	-	RMLIMS, Lko	Member Secretary
3.	Prof. Arun Chaturvedi	Dept. of Surg Oncol	KGMU, Lko	Member
4.	Prof. C.M. Pandey	Dept. of Statistics,	SGPGIMS Lko	Member
5.	Prof. Nuzhat Husain	Dept. of Pathology	RMLIMS, Lko	Member
6.	Prof. S.N. Sankhwar	Dept. of Urology	KGMU, Lko	Member
7.	Prof. Amita Jain	Dept. of Microbiology	KGMU Lko	Member



Dr. Ram Manohar Lohia Institute of Medical Sciences Vibhuti Khand, Gomti Nagar, Lucknow.

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8.	Prof. Nitin Ashok John.	Dept. of Physiology	RMLIMS, Lko	Member
9.	Dr. Arvind Kumar	Dept. of S.P.M	RMLIMS, Lko	Member
10.	Dr. Ritu Karoli	Dept. of General Medicine	RMLIMS, Lko	Co-Member Secretary
11.	Dr. Akash Agarwal	Dept. of Surgical Oncology	RMLIMS, Lko	Member

**MEMBERS OF INSTITUTIONAL ETHICS COMMITTEE (Constituted on 2019-2024):**

S. No.	Name	Department	Affiliation to Institution	Role
1.	Prof. M.K. Mitra	Former Professor & Head, Department of Medicine	Not Affiliated (KGMC, Lucknow)	Chairman IEC
2.	Prof. Nuzhat Husain	Dept. of Pathology	RMLIMS, Lko	Member Secretary
3.	Dr Ritu Karoli	Dept.of Medicine	RMLIMS, LKO	Co-Member Secretary
4.	Prof. Arun Chaturvedi	Professor & Head, Department of Surgical Oncology	Not Affiliated (KGMU, LKO)	Clinician/ Member
5.	Dr. Pradeep Kumar Maurya	Dept of Neurology,	RMLIMS LKO	Clinician/ Member
6.	Dr.Manodeep Sen	Department of Microbiology,	RMLIMS,LKO	Basic Medical Scientist/ Member
7.	Dr. Anil Balapure	Ex-Chief Scientist &Head, Dept. of Biochemistry	Not Affiliated (CDRI, LKO)	Basic Medical Scientist/ Member
8.	Mr.D.P. Singh	Retired Govt. Officer	Not Affiliated	Lay person/ Member
9.	Mr. Rajesh Kapoor	Collectrate Treasury, Kaiser bagh, Lucknow	Not Affiliated	Lay person/ Member
10.	Mr. Amitabh Mishra	Programme Director in Grameen Development Services (GDS) Aliganj, Lucknow	Not Affiliated	Social Worker/ Member
11.	Dr. Saurabh Paliwal	Lecturer at Vidyant	Not Affiliated	Social Worker/



		College Lucknow		Member
12.	Adv Anupras Singh	Legal Advisor, Lawyer	Not Affiliated	Legal Advisor/ Member
13.	Hon'ble Justice S.S. Upadhyay	Retired Judge, Ex. Legal advisor, Hon'ble Governor, U.P	Not Affiliated	Legal Advisor/ Member

### **FACILITY PROVIDED BY RESEARCH CELL**

#### **Ph.D. Program:**

Registration for Ph.D. courses commenced at RMLIMS, Lucknow in affiliation with King George Medical University, Lucknow.

Under Ph.D. program- 2014, two students are selected and registered at RMLIMS in affiliation with King George Medical University, Lucknow.

Under Ph.D. program- 2015, two students are selected and are in process of registration at RMLIMS in affiliation with King George Medical University, Lucknow.

To download details kindly visit the RMLIMS website when advertised.

**Central Research Lab facility Wing:** Well-equipped Central Research Lab facilities for the Research cell have been provided through the Departments of Pathology and Microbiology

### **ACTIVITIES AT RESEARCH CELL**

**INTRAMURAL RESEARCH PROJECTS:** Intramural grants for faculty are given every year. In the year 2011, 8 intramural projects were sanctioned, 6 are completed, 1 is extended. 5 New intramural projects have been sanctioned in March 2013, 6 were sanctioned in October 2013, 7 new intramural projects were sanctioned in October 2014, 1 was sanctioned in March 2015, 5 projects were sanctioned in March 2016, 9 projects were sanctioned in March 2017, 7 projects were sanctioned in March 2018 and 9 projects were sanctioned in 2019.

**Total Intramural proposals awarded till date-69**

**Completed project till date-43**



<b>S. No.</b>	<b>IEC No</b>	<b>Title of the Project</b>	<b>Principal Investigator</b>
1	11/11	EGFR and HER-2/neu expression in Gall bladder carcinoma	Dr. RahatHadi, Dept. of Radiation Oncology, RMLIMS.
2	12/11	Assessment of Cisplatin associated nephro toxicity in treatment of cancer patients	Dr. RohiniKhurana, Dept. of Radiation Oncology, RMLIMS.
3	14/11	Metabolic study in body fluids for differentiation of Meningitis in adults: A pilot study	Dr. Ajay kumar Singh, Dept. of Neurology, RMLIMS.
4	15/11	Co-inheritance of Factor V Leiden in patients of inherited Hemophilia A in India	Dr. NamrataPunit Awasthi, Dept. of Pathology, RMLIMS.
5	16/11	CD133, CD24 and Oct-4 in Oral Cancer- Effects on Chemoradiation Response	Dr. Nuzhat Husain, Department of the Pathology, RMLIMS.
6	18/11	Metabolomic study in urine for marker exploration in adults with urosepsis: A Pilot Study	Dr. ManodeepSen, Dept of Microbiology, RMLIMS
7	19/11	Comparison of clinical outcomes and cost analysis of different techniques of patent ductusarteriosus closure - A multicentric trial	Dr. DharmendraK.Srivastava Dept. of Cardiovascular and Thoracic Surgery, RMLIMS
8	2/13	A study of association of salmonella typhi with carcinoma gall bladder in typhoid endemic area with molecular technique: A Pilot Study	Dr. Vineeta Mittal, Dept. of Microbiology, RMLIMS
9	3/13	Serum Anti-AQP4 antibody and Cerebral Spinal Fluid Glial Fibrillary Acidic Protein in idiopathic inflammatory demyelinating disorders of the central Nervous system- A correlative analysis	Dr. KiranPreetMalhotra, Dept. of Pathology, RMLIMS.
10	4/13	Cost effectiveness analysis of screening for Congenital hypothyroidism in neonates in India	Dr VandanaTiwari, Dept. of Biochemistry, RMLIMS
11	5/13	Evaluation of Polymerase Chain Reaction in Nerve Biopsy Specimens of Patients with Hansen's disease – Assessment in cases with Mononeuritis Multiplex/ Simplex	Dr DinkarKulshreshtha Dept. of Neurology, RMLIMS.



12	6/13	Pre- and post- treatment analysis of cytogenetic abnormalities in chronic myeloid leukemia.	Dr. Pradyumn Singh, Dept. of Pathology, RMLIMS.
13	12/13	Evaluation of prognostic and predictive value of CA19-9 and CA242 in gallbladder cancer	Dr. AkashAgarwal, Dept. of Surgical Oncology,RMLIMS.
14	13/13	Study of Gall Bladder Cancer: A Diagnostic Evaluation of Circulating Free DNA and Circulating Tumor Cells	Dr. Subrat Chandra,Dept. of Pathology,RMLIMS.
15	14/13	To evaluate the efficacy of Benzydamine hydrochloride in radiation induced oral mucositis among head and neck cancer patients treated with radical dose of radiotherapy with or without chemotherapy	Dr. MadhupRastogi, Dept. of Radiation Oncology,RMLIMS.
16	15/13	Comparative analysis of Immunohistochemistry (IHC) and Fluorescent in situ hybridization (FISH) for detection of Anaplastic Lymphoma Kinase (ALK) gene rearrangement in adenocarcinoma lung- A pilot study ”	Dr. SaumyaShukla, Dept. of Pathology,RMLIMS.
17	17/13	Fine needle aspirate of lymph nodes and use of adjunct diagnostic modalities in the diagnosis of non- Hodgkin lymphomas	Dr. Anurag Gupta,Dept. of Pathology,RMLIMS.
18	22/14	Biomarkers exploration using H NMR spectroscopy for diagnosis of cryptococcalmeningitits in adults-A pilot study	Dr. ManodeepSen, Dept. of Microbiology, RMLIMS.
19	23/14	Immunophenotypic characterization of normal and abnormal plasma cells in bone marrow samples of multiple myeloma patients by 4-colour flow cytometry	Dr. Namrata P. Awasthi,Dept. of Pathology. RMLIMS
20	25/14	The relationship between blood cell parameters and vascular calcification in end stage renal disease patients	Dr. Abhilash Chandra.Dept. of Nephrology. RMLIMS.



21	26/14	A study of depression after stroke and its correlation with SPECT: A prospective cross sectional study.	Dr. Pradeep K. Maurya, Dept. of Neurology RMLIMS
22	27/14	Proton MR metabolism study in Serum and Urine for differentiating fertility and staging of Intra-abdominal hydatid cyst in adults- A pilot study	Dr. AnshumanPandey Dept. of Gastro-Surgery. RMLIMS
23	1/15	Estimation of Perilesional Blood Flow in Hypertensive IntracerebralHemorrhage : A Descriptive study	Dr. Anup Kumar Thacker Dept. of Neurology, RMLIMS
24	28/15	Evaluation of changes in cell free tumor DNA levels in locally advanced head and neck cancer patients undergoing radiotherapy	Dr. VandanaTiwari, Dept. of Pathology, RMLIMS.
25	30/15	Assessment of Histopathological Markers of lepra Reactions in skin Biopsies	Dr. KiranPreetMalhotra, Dept.of Pathology, RMLIMS.
26	32/15	Detection of novel and known EGFR mutations in lung adenocarcinoma by DNA sequencing	Prof. Nuzhat Husain, Dept of Pathology, RMLIMS.
27	33/15	The role of MSI as a prognostic marker in colorectal cancer	Dr. SmitaChauhan,Dept of SurgicalGastroenterology RMLIMS.
28	34/15	Heterogeneity in Diffuse Large B-Cell lymphoma-a study on the Cell-of-origin subtypes and their prognostic significance	Dr. Pradyumn Singh, Dept of Pathology, RMLIMS
29	1/16	A study on evaluation of serological methods with molecular methods in patients of clinically suspected Leptospirosis at Lucknow-A pilot study	Dr Vineeta Mittal, Dept. of Microbiology RMLIMS
30	2/16	Prognostic and predictive value of stratifying adult gliomas using an integrated histological and molecular diagnostic approach.	Dr. Rohini Khurana, Dept. of Radiation Oncology, RMLIMS.
31	3/16	Diagnostic value of BRAF <sup>V600E</sup> immunohistochemistryin thyroid aspirates in Bethesda category IV and papillary carcinoma thyroid.	Dr. Nidhi Anand, Dept. of Pathology,RMLIMS.
32	4/16	Evaluation of Gene Expert as a diagnostic tool in	Dr Dinkar Kulshreshtha,Dept of



		patients with a clinical suspicion of tubercular meningitis	Neurology,RMLIMS.
33	5/16	Evaluation of target volume coverage and dose reduction to organs at risk by MRI based image guided intracavitary brachytherapy using combined MRI-/ CT –planning technique with MRI only at first fraction for cervical cancer.	Dr. Madhup Rastogi, Dept. of Radiation Oncology, RMLIMS
34	6/16	Programmed cell death –ligand 1(PD-L1) expression in non-small cell lung cancer (NSCLC) and its correlation with driver mutations: A Pilot Study	Dr. Saumya Shukla, Dept. of Pathology,RMLIMS
35	8/16	Evaluation of gene Xpert MTB/RIF test as diagnostic tool for the diagnosis of spondylodyskitis with special reference to drug sensitivity in patients os suspected Poot’s spine	Dr Ajai Kumar Singh, Dept. of Neurology, RMLIMS
36	9/16	Clinico-epidemiological study and Nuclear Magnetic Resonance metabolite profiling of Dermatophytic infections at a tertiary care level superspeciality institute in northern India	Dr Anupam Das, Dept. of Microbiology, RMLIMS
37	10/16	Evaluation of predictive value of Cystatin C, VEGF-A and BDNF in acute ischemic stroke.	Dr. Manish Raj Kulshreshtha, Dept. of Pathology ,RMLIMS
38	11/17	A pilot study of moderately hypofractionated whole pelvic radiotherapy with image guided high dose rate brachytherapy for locally advanced cervical carcinoma	Dr Ajeet Kumar Gandhi Dept. of Radiation oncology,RMLIMS
39	12/17	KRAS and BRAF <sup>V600E</sup> protein over expression in adenocarcinoma lung and association with PD-L1 expression: A pilot study	Dr Rahat Hadi Dept. of Radiation oncology,RMLIMS
40	14/17	Serum procalcitonin essay in acute synovial effusion	Dr Pankaj AggarwalDept of Orthopaedics,RMLIMS
41	21/17	An assessment of changing pattern of seroepidemiology of Hepatitis A virus infection in endemic setting.	Prof. JyotsnaAgarwal,Dept. of Microbiology,RMLIMS



42	26/17	Autonomic function tests and electrophysiological evaluation including blink reflex and sympathetic skin response test in patients of episodic primary headache and NDPH	Dr Abdul Qavi Dept. of Neurology,RMLIMS
43	22/18	Neutrophil gelatinase-associated lipocalin (NGAL) as a marker of renal tubular injury in metabolic syndrome patients with hyperuricemia	Dr. Ritu Karoli Dept.of Medicine RMLIMS.

### On-going proposals-26

S. No.	IEC No	Title of the Project	Principal Investigator
1	18/13	Role of CT perfusion imaging to assess response to combined chemo-radiotherapy in patients of oral carcinoma	Dr Abhishek Chauhan, Dept. of Radiodiagnosis, RMLIMS
2	10/17	N- Acetylcysteine supplementation for the prevention of postoperative liver dysfunction in on-pump cardiac surgery.	Dr Soumya Sanker Nath Dept of Anaesthesia,RMLIMS
3	13/17	Utility of pattern-based cytomorphological categorization and cell block-immunocytochemistry in the diagnostic workup of salivary gland tumors:A Pilot study	Dr Anurag Gupta Dept. of Pathology,RMLIMS
4	22/17	Impact of Anti Retroviral Therapy on Quality of Life of People Living with HIV/AIDS	Dr. Peeyush Kariwala Dept. of Community Medicine ,RMLIMS
5	27/17	Role of Hs CRP and Reversal of Serum Albumin/Globulin ratio in differentiating Pulmonary Tuberculosis from Community Acquired Pneumonia	Dr.Vikram Singh Dept. of Medicine,RMLIMS.
6	28/17	Evaluation of effect of radiation on oropharyngeal flora in patients with oropharyngeal cancer and its correlation with salivary metabolites.: A pilot study	Dr. Manodeep Sen Dept. Of Microbiology, RMLIMS.
7	20/18	Radiological predictors of residual radiographic lesions in responders to pulmonary tuberculosis therapy	Dr Shamrendra Narayan Dept. of Radiodiagnosis, RMLIMS.





8	23/18	Prospective evaluation of palliative laparoscopic hepatico-jejunostomy in unresectable distal malignant biliary obstruction: A pilot study	Dr. Vikas Singh, Dept of Surgery RMLIMS.
9	24/18	Is Fetuin-A is a link between obesity and Type 2 Diabetes Mellitus	Dr. Vandana Tiwari, Dept. of Biochemistry, RMLIMS.
10	25/18	Levels of Serum Visfatin and Chemerin in Polycystic Ovarian Syndrome	Dr. Malvika Misra Dept. of Obs. & Gynae, RMLIMS.
11	26/18	Investigation of cf-DNA levels and IDH-1 mutation in adult diffuse glioma for diagnosis and prediction of therapy	Prof. Nuzhat Husain, Dept. of Pathology, RMLIMS.
12	27/18	Creation of a transparent techno-medical platform for orthopaedic implant utilization in the form of an android application	Dr. Sachin Avasthi Dept. of Orthopaedics, RMLIMS.
13	20/19	A Study on New Molecular Targets in Non-Small Cell Lung Carcinoma-Squamous Cell Carcinoma	Dr. Saumya Shukla, Dept. of Pathology, RMLIMS.
14	21/19	Modification and validation of an existing GFR estimating equation for use in Indian patients with chronic kidney disease using body composition analysis by bioelectric impedance	Dr. Namrata Rao Dept. of Nephrology, RMLIMS.
15	22/19	Determination of passive smoking in children with asthma using cotinine levels in urine as a biomarker	Dr. Dipti Agarwal, Dept. of Pediatrics, RMLIMS.
16	23/19	“To assess serum level of 25-hydroxy Vitamin D3 and trace elements in adolescence in Bronchial asthma : a cross-sectional study”	Dr. Shetanshu Srivastava, Dept of Pediatrics, RMLIMS.
17	24/19	Analysis of the frequency of overexpression of EGFR protein and KRAS mutations in Gall bladder cancer	Dr. Anshuman Pandey Dept of Surgical Gastroenterology RMLIMS.
18	25/19	Association of cadmium (Cd) and lead (Pb) exposure in relation to serum insulin levels, insulin sensitivity and diabetes mellitus: A Cases and control study	Dr. Manish Raj Kulshreshtha Dept. of Biochemistry, RMLIMS



19	26/19	HCV core Antigen: An evolving marker for evaluating treatment response in patients with Hepatitis C infection	Dr Jaya Garg, Dept. of Microbiology,RMLIMS.
20	27/19	Expression of Immune Checkpoint Regulators including Cytotoxic T Lymphocyte Antigen 4(CTLA4) and Programmed Death-Ligand 1 (PD-L1) in Epithelial Thyroid Malignancies.	Dr. Nidhi Anand Dept. of Pathology,RMLIMS
21	28/19	Assessment of Antigenic targets in Membranous Nephropathy	Dr. Kiran Preet Malhotra Dept of Pathology,RMLIMS.
22	68/20	Clinico hematological findings in COVID-19 patients	Dr AK Tripathi, Dept. of General Medicine, RMLIMS.
23	67/20	A comparative study of clinical course and outcomes in Covid-19 patients with and without pre-existing chronic diseases	Dr Shobhit Shakya, Dept. of General Medicine, RMLIMS.
24	66/20	Study of Haemoglobin HPLC Pattern in Covid-19 patients	Dr Vandana Tiwari, Dept. of Biochemistry, RMLIMS
25	65/20	Study of Laboratory parameters of potential prognostic relevance in Covid-19 patients	Dr Namrata Avasthi, Dept of PATHology, RMLIMS
26	64/20	Relation between viral RNA load in blood and clinical presentation and outcome, in covid-19 patients: a time course analysis	Dr Jyotsna Agarwal, Dept. of Microbiology, RMLIMS

**Not Completed Intramural project:1**

<b>S. No.</b>	<b>IEC No</b>	<b>Title of the Project</b>	<b>Principal Investigator</b>
<b>1.</b>	24/14	Exercise myocardial perfusion Spect-CT in patients with angiographically documented coronary Artery Ectasia	Dr. Satyawati Deswal, Dept. of Nuclear Medicine, RMLIMS,



## EXTRAMURAL RESEARCH PROJECTS: 23

### Completed Extramural Proposals; 16

S.No	Total Duration/ Date of Start at RMLIMS	Title	Funding Agency / Grant approved to
1	3 years (1.5.09- 30.4.12)/ 1.5.11	Tumor Infiltrating Lymphocytes (TIL) subset analysis, serum IL-4 , IFN- $\gamma$ & TNF- $\alpha$ analysis for immune-reactivity & Molecular /cellular analysis of $\gamma$ and T cells: A correlative study in oral carcinoma	DST, New Delhi (WOS'A' Fellowship Awarded to Dr. VandanaTiwari) Mentor: Prof. Nuzhat Husain Dept of Pathology, RMLIMS <b>Approx 9 lakhs</b>
2	3 Years 02.06.12 2012-2015	Stem Cell Expression of CD24, OCT3/4 and NANOG in GlioblastomaMultiforme: Correlation with Treatment Response and Survival.	ICMR, New Delhi Senior Research Fellowship Awarded to Ms.PriyankaSoni) Guide: Prof. Nuzhat Husain Dept of Pathology, RMLIMS <b>Approx 12 lakhs</b>
3	5 Years (2008-2013) 03.05.12	UGC-Rajiv Gandhi National Fellowship. (Awarded to Mr. Praveen Kumar)	UGC-RGFS, New Delhi Guide: Prof. Nuzhat Husain Dept of Pathology, RMLIMS <b>Total cost 3,34,240</b>
4	3Years 02.06.09- 01.06.12) 02.06.11	Analysis of intron 22 inversion mutation in Indian case with hemophilia 'A'	UPCST, Lucknow P.I. Prof. Nuzhat Husain, Dept. of Pathology, RMLIMS <b>Approx 7 Lacs</b>
5	3 Years Project 26.03.12	Evaluation of the immuno-modulatory effect of Tinosporacordifolia in head and neck cancer patients (transferred to KGMU on 24.03.14)	ICMR , New Delhi P.I. Prof. M.C. PantRMLIMS, Lucknow
	3Years	Liquid based cytology assessment of p16 and	UPCST, Lucknow



6	28.05.13 2013-2016	DNA ploidy in Cervical Neoplasia: Correlation with p16 promoter Hypermethylation	Prof. Nuzhat Husain, Dept. of Pathology, RMLIMS <b>Approx 10 lakhs</b>
7	3years 25.05.14	Effects of diagnostic low dose radiation exposure on peripheral blood lymphocytes	DST SERB, India Young Scientist Dr Shikha Tiwari Mentor: Prof. Nuzhat Husain Dept. of Pathology, RMLIMS
8	5 years 2012-2017	Diagnostic evaluation of circulating free DNA and circulating tumor cells in gall bladder cancer. Duration from	DST-INSPIRE Fellowship. DST, New Delhi awarded to Swati Kumari Guide: Prof. Nuzhat Husain Dept of Pathology, RMLIMS <b>Approx.15 lakhs</b>
9	3 years 20.06.15	Epidermal growth factor mutation (EGFR) and anaplastic lymphoma kinase (ALK) gene rearrangement in non-small cell carcinoma lung	UPCST Dr.Saumya Shukla Dept. of Pathology, RMLIMS <b>Approx.10 lakhs</b>
10	3 years 27.11.14	Chronobiological approach for early prediction of Anthracyclin induced cardiotoxicity	DST SERB, India WOS A Dr.Shipra Bhardwaj Mentor. Dr Madhup Rastogi
11	3 Years 13.08.14	Metabolomic Study in CSF, Serum and Urine for differential diagnosis of Cryptococcal meningitis in adults- A pilot study	DST SERB, India WOS A Ms.Pushpa Yadav Mentor: Dr. Manodeep Sen Dept of Microbiology, RMLIMS
12	3 Years 08.09.14	Extramural grant Fellowship	DST Women scientist Poonam Chaturvedi Mentor: Prof. A.K. Thacker Dept of Neurology, RMLIMS
13	Transferred from KGMU	Immunological, genetic and behavioural profile of women with urinary tract infections by E. coli, Role of host factors	DBT Prof. Jyotsana Agarwal Dept of Microbiology, RMLIMS <b>Approx 12 lacs</b>



14	Transferred from KGMU	Role of real time multiplex PCR in rapid diagnosis of community acquired acute bacterial meningitis in children	CST(UP) Prof. Jyotsana Agarwal Dept of Microbiology,RMLIMS <b>Approx 52 lacs</b>
15	2015-2018	FVIII inhibitors in Hemophilia A: Correlation with gene mutation and cytokine profile”.	SERB, DST, New Delhi Prof. Nuzhat Husain, Dept. of Pathology, RMLIMS <b>Approx 43Lacs.</b>
16	2016-2019	Polymorphism study of the CYP and GST Gene Family and its Association with Up-regulation of Cell death in Non-Small Cell Lung Carcinoma	UPCST, Lucknow Prof. Nuzhat Husain, Dept. of Pathology, RMLIMS <b>Approx 10 Lacs</b>

**On-going Extramural Proposals: 7**

S.No	Total Duration/ Date of Start at RMLIMS	Title	Funding Agency / Grant approved to
1	2018-2020	Study of cfDNA and LunX gene Transcript in Diagnosis and Prediction of Chemotherapy Response in Non-Small Cell Lung Carcinoma	ICMR,New Delhi Anumesh Kumar Pathak Prof. Nuzhat Husain (PI) Dept.of Pathology,RMLIMS <b>Approx 8 lacs</b>
2.	24.07.19 2020-2022	The role of highly sensitive Troponin-I, highly sensitive C- Reactive Protein and NT-proBNP in predicting coronary artery stenosis in patients undergoing Coronary Artery Angiography	ICMR, RA fellowship Dr. VandanaTiwari Dept. of Biochemistry <b>Approx 21</b>
3	2020-2022	Circulating micr RNA role in gall bladder cancer: Is serum assay of diagnostic value?	Young Women scientist Dr. Pallavi Srivastava Mentor: Prof. Nuzhat Husain



			Head, Dept of Pathology, RMLIMS <b>Approx 20 Lacs</b>
4	2019-2021	CfDNA in Gliomas: Diagnostic and Therapeutic Application	ICMR, New Delhi Sridhar Misra Prof. Nuzhat Husain (PI) Pathology Dept. <b>Approx8 Lacs</b>
5	2019-2022	Methylation status of genes in circulating free DNA as diagnostic and predictive biomarker in Oral Squamous Cell Carcinoma	CSIR, New Delhi Swati Kumari Prof. Nuzhat Husain (PI) Dept.of Pathology,RMLIMS <b>Approx 20 Lakhs</b>
6	2019-2022	A study of immunotherapy and molecular targets in squamous cell carcinoma lung	ICMR-SRF Prof. Nuzhat Husain (PI) Dept.of Pathology,RMLIMS <b>Approx15 Lakhs</b>
7	2020-2023	Diagnostic application of genetic and genomic profiling of circulating free DNA in Gallbladder carcinoma	ICMR, New Delhi Prof. Nuzhat Husain (PI) Dept.of Pathology,RMLIMS <b>Approx50 Lacs</b>

**Extramural grants: not completed: 2**

S.No	Total Duration/ Date of Start at RMLIMS	Title	Funding Agency / Grant approved to	Reason
1	3 years	Role of epigenetics in the pathogenesis of de novo myelodysplastic syndromes in	DST SERB,India Young Scientist Dr. RekhaChaubey	Proposal transferred to AIIMS, New



	14.08.14	Indian patients	Mentor: Prof. Nuzhat Husain Head, Dept of Pathology,	Delhi
2	5 years 01.12.14	Extramural grant Fellowship	Inspire-DST awarded to HarmeetKaur Guide: Prof. Nuzhat Husain Head, Dept of Pathology,	Resigned

**WORKSHOPS/LECTURES/MEETINGS ORGANIZED BY THE RESEARCH CELL**

**A. Workshops**

<b>1. Workshop on Research Methodology: “How to Write a Research Project”</b>				
S.no.	Lecture	Duration	Topics covered	Invited faculty:
1.	-	28 <sup>th</sup> Feb 2011- 4 <sup>th</sup> Mar 2011	Elements of a research project, Research Methodology, Clinical Trial	Prof. Arun Chaturvedi
				Dr. G.G. Agarwal
				Prof. Nuzhat Husain
<b>2. Basic Workshop on Biostatistics</b>				
2.	-	2 <sup>nd</sup> -3rd Nov. 2012	Basic Statistics in Research & Software’s Applying Statistics in Medical Research	Prof. C.M. Pandey
				Dr. Uttam Singh
<b>3. Workshop on Faculty Development Program-Introductory Course on Research Methodology &amp; Biostatistics</b>				
3.	-	8 <sup>th</sup> -9 <sup>th</sup> Nov. 2019	Introductory Course on Research Methodology & Biostatistics	Dr Piyush Kant Rai
				Dr. Anoop Kumar,
<b>B. Lectures/ Seminars:</b>				
4.	Lecture-1	14 <sup>th</sup> May 2011	Rheumatoid Arthritis Multisystem Manifestation	Prof. SharadLakhanpal, Clinical Professor of Internal Medicine, UT



				South-western Medical School, Dallas, Tx, USA
5	Lecture-2	01 <sup>st</sup> July 2011	Quality in Health Care	Dr. Hem Chandra, HOD, Hospital Administration, SGPGIMS, Lko.
6	Lecture -3	19.01.2013	Sample Size Calculation	Dr C.M. Pandey, Head Dept. of Biostatistics, SGPGIMS, Lucknow
7	Lecture-4	08.11.13	Planning & Managing an Organisational set up	Dr. TriptiBarthwal, Professor, Lal Bahadur Shastri Institute of Management &Development Studies.Lucknow
8	Lecture-5	22.11.13	Leadership & Organisational Development	Dr. TriptiBarthwal
9	Lecture-6	29.11.13	Crisis Management & Management by Crisis	Dr. TriptiBarthwal,
10	Lecture-7	06.12.13	Managing Attitudinal & Organisational Change	Dr. TriptiBarthwal,
<b>Basic Course in Research Methodology for PG/ PhD students' Academic Year 2013-14</b>				
11	Lecture-8	11.01.14	Introduction to Clinical Research	Prof M K Mitra
12	Lecture-9	18.01.14	Planning of Research Studies- Research Question and Research Hypothesis, Defining aims and objectives	Prof. AmitaAggarwal
13	Lecture-10	23.01.14	Study Design, Study sample, Randomization	Prof. RakeshAggarwal





14	Lecture-11	24.01.14	Blinding, Intervention, Variables, Outcome assessment etc	Prof. Rakesh Aggarwal
15	Lecture-12	25.01.14	Planning of Research Studies - Literature Review, Indexing Publication Indices, Citation Index etc	Prof. Amita Jain
16	Lecture-13	01.02.14	Design and conduct of Clinical Trials	Prof. Arun Chaturvedi
17	Lecture-14	08.02.14	The tips of scientific podium presentation	Dr. A.B. Pant
18	Lecture-15	11.02.14	Ethical Issues in Biomedical Research	Prof. MLB Bhatt
19	Lecture-16	14.02.14	Case Control Study	Prof. R.C. Ahuja
20	Lecture-17	15.02.14	Understanding Health Economics and Cost analysis	Dr. S.P. Mishra
21	Lecture-18	22.02.14	Diagnostic test evaluation	Dr. Rashmi Kumar
22	Lecture-19	28.02.14	Assessing and reporting adverse events	Dr M L B Bhatt
23	Lecture-20	01.03.14	Cohort Study	Dr Arun Chaturvedi
24	Lecture-21	08.03.14	Writing and publishing Research studies	Dr. Nuzhat Husain
25	Lecture-22	28.03.14	Data Collection and Data Management	Dr G G Agarwal,
26	Lecture-23	05.04.14	Administration and Budget Management	Dr Shally Awasthi

**BASIC COURSE IN BIostatISTICS FOR P.G./Ph.D. STUDENTS ACADEMIC YEAR 2013-14**

Lectures and practical were organized.

Course Coordinator: Prof. C.M. Pandey/ Dr Uttam Singh

Dept. of Biostatistics and Health Informatics, SGPGIMS, Lucknow



S.N	Date	Lecture	Practical
1	24/4/14	Definition and scope of Biostatistics in Medical Research: types of data and their properties	Introduction of statistical computing and SPSS
2	25/4/14	Descriptive Statistics (Concept of central tendency, dispersion, skewness, Kurtosis in biological data	Management of Research data using SPSS and Computation of descriptive statistics
3	28/4/14	Methods of Correlation and regression	Statistical Graphics using SPSS
4	29/4/14	Logistic regression	Computation of correlations and Regressions analysis
5	05/5/14	Sampling techniques and sample size calculation	Computation of sample size/power
6	06/5/14	Hypothesis testing: Concept, Parametric, Non-parametric tools, power	Computation of Chi Sqr, Testing of mea and ANOVA
7	07/5/14	Survival analysis	KM Survival Analysis
8	08/5/14	Measures of Morbidity and Mortality	General data analysis and Management
9	12/5/14	Clinical Trials design and analysis	General data analysis and Management
10	13/5/14	Evaluation of Diagnostic tests	General data analysis and Management

**Basic Course in Research Methodology for PG/ Ph.D.students Academic Year 2014-15**

S.No	Date	Timings	Topic	Faculty
1	19.01.15	3:30 - 5:00pm	Introduction to clinical research	Prof. M K Mitra
2	21.01.15	3:00 - 5:00pm	Planning of Research Studies- Research	Prof. Nuzhat Husain



			Question and Research Hypothesis, Defining aims and objectives	
3	24.01.15	12:00 - 2:00pm	Study Design and sampling	Prof. Arun Chaturvedi
5	28.01.15	3:00-5:00 pm	Cohort Study	Prof. Arun Chaturvedi
6	31.01.15	12:00 - 2:00pm	Design and conduct of clinical trials	Prof. Arun Chaturvedi
7	04.02.15	3:00-5:00 pm	Planning of Research Studies - Literature Review, Indexing Publication Indices, Citation Index etc.	Prof. Amita Jain
8	07.02.15	12:00 - 2:00pm	Ethical Issues in Biomedical research	Prof. M L B Bhatt
9	11.02.15	3:00-5:00 pm	The tips of scientific podium presentation	Dr. A B Pant ,IITR
10	14.02.15	12:00 - 2:00pm	Understanding Health Economics and Cost analysis	Prof. Shally Awasthi
11	18.02.15	3:00-5:00 pm	Diagnostic test evaluation	Prof. Rashmi Kumar,
12	21.02.15	12:00 - 2:00pm	Assessing and reporting adverse events	Prof. M L B Bhatt
13	25.02.15	3:00-5:00 pm	Case Control Study	Prof. R C Ahuja
14	02.03.15	12:00 - 2:00pm	Writing and publishing Research studies	Prof. Nuzhat Husain
15	13.03.15	2:00-4:00 pm	Data Collection and Data Management	Prof. G G Agarwal,
16	31.03.15	3:00-5:00 pm	Concluding Lecture For Research Methodology Course	Prof. Arun Chaturvedi



**Lecture- Time: 3:00-4:00 pm**  
**Venue: Conference Hall, Ground Floor, Administrative Block, RMLIMS**  
**Practical- Time: 4:00-5:00 pm, Venue: Library, Third Floor, Administrative Block, RMLIMS**  
**Course Coordinator: Prof. C.M. Pandey, Dept. of Biostatistics and Health Informatics, SGPGIMS, Lucknow**

S.N	Date	Lecture	Practical
1	06.04.15	Definition and scope of Biostatistics in Medical Research: types of data and their properties ( Prof. C.M. Pandey )	Introduction of statistical computing and SPSS ( Dr. P. Mishra)
2	07.04.15	Descriptive Statistics (Concept of central tendency, dispersion,Skewness, Kurtosis in biological data ( Prof. C.M. Pandey )	Management of Research data using SPSS and Computation of descriptive statistics ( Dr. P. Mishra)
3	08.04.15	Methods of Correlation and regression ( Dr. P. Mishra)	Statistical Graphics using SPSS ( Dr. P. Mishra)
4	09.04.15	Logistic regression ( Prof. C.M. Pandey )	Computation of correlations and Regressions analysis ( Dr. P. Mishra)
5	10.04.15	Sampling techniques and sample size calculation ( Prof. C.M. Pandey )	Computation of sample size/power ( Prof. C.M. Pandey )
6	13.04.15	Hypothesis testing: Concept, Parametric, Non-parametric tools, power ( Dr. P. Mishra)	Computation of Chi Square test, Testing of mean and ANOVA ( Dr. P. Mishra)
7	15.04.15	Survival analysis &Measures of Morbidity and Mortality ( Prof. C.M. Pandey )	KM Survival analysis &General data analysis and Management ( Dr. P. Mishra)
8	16.04.15	Clinical Trials design and analysis ( Prof. C.M. Pandey )	General data analysis and Management



Dr. Ram Manohar Lohia Institute of Medical Sciences Vibhuti Khand, Gomti Nagar, Lucknow.

Ph No.0522- 4918555, 504 Fax No.- 0522- 4918506, Website- [www.drrmlims.ac.in](http://www.drrmlims.ac.in)

			<b>( Dr. P. Mishra)</b>
9	17.05.15	Evaluation of Diagnostic tests <b>( Dr. P. Mishra)</b>	General data analysis and Management <b>( Dr. P. Mishra)</b>
10	27.05.15	Concluding Lecture on Biostatistics	

### Basic Course in Research Methodology for PG/ PhD students Academic Year 2015-16

S.No	Date	Timings	Topic	Faculty
1	01.09.15	3:00 - 5:00pm	Planning of Research Studies- Research Question and Research Hypothesis, Defining aims and objectives	Prof. Nuzhat Husain
2	08.09.15	3:00 - 5:00pm	i) Study design, sampling and sample size ii) Descriptive studies	Prof. Arun Chaturvedi
3	12.09.15	12:00 - 2:00pm	Literature Review, Indexing, Publication Indices, Citation Index etc	Dr. AkashAgarwal
4	15.09.15	3:00-5:00 pm	Cohort Study	Prof. Arun Chaturvedi
5	19.09.15	12:00 - 2:00pm	Diagnostic test evaluation	Prof. Rashmi Kumar
6	22.09.15	3:00-5:00 pm	Design and conduct of clinical trials	Prof. Arun Chaturvedi
7	26.09.15	12:00 - 2:00pm	Case Control Study	Prof. Arun Chaturvedi
8	29.09.15	3:00-5:00 pm	Data Collection and Data Management	Prof. G GAgarwal
9	03.10.15	12:00 - 2:00pm	Writing and publishing Research Studies	Prof. Arun Chaturvedi



10	06.10.15	3:00-5:00 pm	Concluding Lecture	Prof. Arun Chaturvedi
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### **BIostatistics WORKSHOP**

#### **(Basic Course for Postgraduate & PhD students 2015-2016)**

Session	Topics	Faculty
<b>31<sup>st</sup> October 2015</b>  <b>DAY 1</b>  Lectures: (9.30 am – 2 pm)  <b>Session I</b> (9.30am – 11am)	1. Introduction to Biostatistics  2. Types of Data  3. Graphical presentation	<b>Clinicians:</b>  1.Prof. Arun Chaturvedi  2.Dr. AkashAgarwal
		<b>Statisticians:</b>  1. Prof. G.G. Agarwal  2. Prof. C.M. Pandey  3. Dr. AkashAsthana  4. Dr. Prabhakar Mishra
<i>Tea Break (11am – 11.30 am)</i>		
<b>Session II</b> (11.30am – 2 pm)	1. Descriptive Statistics  2. Sampling  3. Sampling Distribution  4. Hypothesis testing  5. Sample size	<b>Clinicians:</b>  1.Prof. Arun Chaturvedi  2.Dr. AkashAgarwal
		<b>Statisticians:</b>  1. Prof. G.G. Agarwal  2. Prof. C.M. Pandey  3. Dr. AkashAsthana  4. Dr. Prabhakar Mishra
<i>Lunch Break (2pm – 3pm)</i>		
Practicals & Assignments: (3pm -5pm) MS Excel		
<b>1<sup>st</sup> November 2015</b> <b>(DAY 2)</b> Lectures: (9.30 am – 2 pm)  <b>Session I</b> (9.30am – 11am)	1. Measures of magnitude, morbidity & mortality  2. Correlation & Regression  3. Logistic Regression	<b>Clinicians:</b>  1.Prof. Arun Chaturvedi  2.Dr. AkashAgarwal



		<b>Statisticians:</b> 1. Prof. G.G. Agarwal 2. Prof. C.M. Pandey 3. Dr. AkashAsthana 4. Dr. Prabhakar Mishra
	<i>Tea Break (11am – 11.30 am)</i>	
<b>Session II</b> (11.30am – 2 pm)	1. Diagnostic test evaluation 2. Survival analysis 3. Testing statistical significance – clinician perspective 4. Using statistical tests – clinician perspective	<b>Clinicians:</b> 1.Prof. Arun Chaturvedi 2.Dr. AkashAgarwal
	<i>Lunch Break (2pm – 3pm)</i>	<b>Statisticians:</b> 1. Prof. G.G. Agarwal 2. Prof. C.M. Pandey 3. Dr. AkashAsthana 4. Dr. Prabhakar Mishra
	Practicals& Assignments: (3pm - 5pm)	
	Introduction to SPSS	

**Workshop on Good Clinical Practices on 15.02.20**

Time	Topics	Speaker
Up to 10.00am	<b>Registration</b>	
10.00-10.15am	Inaugural Address	Prof.A.K.Tripathi, Director,RMLIMS
10.15-11.00AM	Good Clinical Practices	Dr. Shally Awasthi, HOD, Dept.of Pediadrics, KGMU
11.00-11.30AM	New ICMR Guidelines for Research	Dr.R.K. Garg,HOD, Dept.of,Neurology, RMLIMS



11.30-12.00PM	Schedule Y	Dr. Atul Jain, HOD, Dept. of Pharmacology, RMLIMS
12.00.12.30PM	How to Deal with SAE in Clinical Trials	Dr. Ashish Singhal, HOD, Dept. of Surgical Oncology, RMLIMS
12.30-1.00PM	Standard Operating Protocols of Institutional Ethics Committee	Dr. Ritu Karoli, Associate Prof. Dept. of Medicine, RMLIMS.
1.00PM	Lunch	

<sup>rd</sup>  
**RESEARCH LECTURE SERIES on 3 July 2020**

Time	Topics	Speaker
3.00pm-4.00pm	<ul style="list-style-type: none"> <li>• An introduction to Systematic Review</li> <li>• Literature Search Strategy</li> <li>• Bibliographic Softwares</li> </ul>	<ul style="list-style-type: none"> <li>• Dr. Shantanu Sapru, Dept. of Radiation Oncology.</li> <li>• Dr. Akash Agarwal, Dept. of Surgical Oncology.</li> </ul>
4.00pm-4.30pm	<ul style="list-style-type: none"> <li>• Clinical Key: A Physician Reference</li> </ul>	Dr. Charu Mehra, Customer Engagement, Elsevier

**Seminar on “Medical Ethics” in Every 1<sup>st</sup> and 3<sup>rd</sup> Saturday 2020.**

**I. 1<sup>st</sup> Medical Ethics Seminar**

<b>Topic: Basics on Ethics</b>				
<b>Date: 4.07.20</b>				
S. no	Seminar	Date	Speaker	Department
1	1 (1 <sup>st</sup> Saturday)	4.07.20	1. Dr. Priyanka Rai 2. Dr. Shetanshu Srivastava 3. Dr. Hemant Kumar 4. Dr. Shobhit Shakya 5. Dr. Eti Sthapak 6. Dr. Rudramani	General Surgery, RMLIMS Paediatrics, RMLIMS T.B and Chest, RMLIMS General Medicine, RMLIMS Anatomy, RMLIMS General Surgery, RMLIMS
<b>Topic: Medical Ethics on COVID-19</b>				
2	2 (3 <sup>rd</sup> Saturday)	4.07.20		General Surgery, RMLIMS Paediatrics, RMLIMS





				T.B and Chest,RMLIMS General Medicine, RMLIMS Anatomy, RMLIMS General Surgery, RMLIMS
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## II. 2<sup>nd</sup> Medical Ethics Seminar

Topic: "Medical Ethics in wake of Covid-19"		
Date: 18.07.20 (Saturday)		
S. no.	Topic	Speaker
1.	Ethical Challenges to health care system during Covid-19 pandemic-an overview	• Dr.Navbir Pasricha, Dept. of Anatomy, RMLIMS.
2.	Fiduciary duty of a doctor	• Dr. Richa Chaudhary, Dept. of Forensic Medicine, RMLIMS
3.	Attitude and communication during Covid-19	• Dr. Nitin Ashok John, Dept. of Physiology,RMLIMS.
4.	Prioritization of health care resources during Scarcity	• Dr. Vikas Singh, Dept. of General Surgery, RMLIMS.
5.	Care of Non-Covid patients	• Dr. Rohini Khurana, Dept. of Radiation Oncology, RMLIMS • Dr. Swagat Mahapatra, Dept.of Orthopaedics, RMLIMS.
6.	Critical care during Covid-19-DNR and other ethical issues	• Dr.Soumya Shankar Nath, Dept. of Anesthesiology, RMLIMS

## III. 3<sup>rd</sup> Medical Ethics Seminar

Topic: "Medical Ethics in wake of COVID-19Management of Non-Covid Patients"		
Date: 8.08.20 (Saturday)		
S. no.	Topic	Speaker
1.	Trauma and Acute Emergencies: Ethics take a back seat?	• Dr. Sunil Kumar Singh, Dept. of General Surgery, RMLIMS
2.	Does it cause a delay in the management of gynecological emergencies?	• Dr. Neetu Singh, Dept. of Obst. & Gynae., RMLIMS
3.	Chronic respiratory illnesses: A fearful situation in today's	• Dr. Mridu Singh, Dept. of General Medicine, RMLIMS
4.	Fear takes an upper hand in routine practice?	• Dr. Ashish Chandra, Dept. of ENT, RMLIMS



5.	Ultrasonography in COVID times: A change	• Dr. Shamrendra, Dept. of Radiodiagnosis, RMLIMS
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#### IV. 4<sup>th</sup> Medical Ethics Seminar

<b>Topic: “Doctor Patient Relationship”</b>		
<b>Date: 22.08.20 (Saturday)</b>		
<b>S. no.</b>	<b>Speaker</b>	<b>Department</b>
1.	Dr. Sanjay Bhat	General Surgery, RMLIMS
2.	Dr. Abhilash Chandra	Nephrology, RMLIMS
3.	Dr. Roma Pradhan	Endocrine Surgery, RMLIMS
4.	Dr. Nikhil Gupta	General Medicine, RMLIMS
5.	Dr. Manish Kumar Singh	Community Medicine, RMLIMS

#### V. 5<sup>th</sup> Medical Ethics Seminar

<b>Topic: “Doctor Patient Relationship Part II”</b>		
<b>Date: 05.09.20 (Saturday)</b>		
<b>S. no.</b>	<b>Speaker</b>	<b>Department</b>
1.	Dr. Anshuman Pandey	HOD and Professor (Jr grade), Dept. of Gastrosurgery, RMLIMS.
2.	Dr. Ishwar Ram Dhayal	HOD and Professor (Jr grade), Dept. of Urology, RMLIMS
3.	Dr. Pradeep Kumar Maurya	Professor (Jr grade), Dept. of Neurology, RMLIMS
4.	Dr. Anurag Agarwal	Associate Professor, Dept. of Anesthesiology, RMLIMS

#### VI. 6<sup>th</sup> Medical Ethics Seminar

<b>Topic: “Ethical Issues in Patient Care - Laboratory Perspective”</b>		
<b>Date: 19.09.20(Saturday)</b>		
<b>S. no.</b>	<b>Speaker</b>	<b>Department</b>
1.	Prof. Pradyumn Singh	Professor, Dept. of Pathology, RMLIMS
2.	Dr. Anurag Gupta	Professor, Dept. of Pathology, RMLIMS
3.	Dr. Tripti Verma	Senior Resident, Dept. of Pathology, RMLIMS
4.	Prof. Jyotsna Agarwal	HOD and Professor Dept. of Microbiology, RMLIMS



### VII. 7<sup>th</sup> Medical Ethics Seminar

<b>Topic: "Ethical Issues in Emergency Area"</b>		
<b>Date: 03.10.20(Saturday)</b>		
<b>S. no.</b>	<b>Speaker</b>	<b>Department</b>
1.	Dr. Dipti Agarwal	Prof. (Jr.Gr), Dept. of Paediatrics
2.	Dr. Neha Rai	Assist. Prof. Dept. of Paediatrics
3.	Dr. Anil Kumar	Senior Resident, Dept. of Paediatrics
4.	Dr. Pallav Singhal	Senior Resident, Dept. of Paediatrics
5.	Dr. Priyanka Pandey	Junior Resident, Dept. of Paediatrics
6.	Dr.Rajiv Ratan Singh Yadav	Assoc. Prof, Dept. of Emergency Medicine
7.	Dr.Shiv Shankar Tripathi	Assoc. Prof, Dept. of Emergency Medicine

### VIII. 8<sup>th</sup> Medical Ethics Seminar

<b>Topic: "Ethical Issues in Woman Health Care"</b>		
<b>Date: 17.10.20(Saturday)</b>		
<b>S. no.</b>	<b>Speaker</b>	<b>Department</b>
1.	Dr. Devyani Misra	Assoc. Prof., Dept. of Obs & Gyn
2.	Dr.Rashmi Kumari	Asst. Prof., Dept. of Community Medicine
3.	Dr.Smita Chauhan	Assoc. Prof., Dept. of Gastrosurgery
4.	Dr.Namrata Rao	Assoc. Prof., Dept. of Nephrology

### Basic Course in Research Methodology for PG/ PhD students Academic Year 2016-17

<b>S.no.</b>	<b>Day</b>	<b>Date</b>	<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
1	Friday	4 <sup>th</sup> Nov	16.00-17.00	Dr. Akash Agarwal	Introduction data, describing data
2	Friday	4 <sup>th</sup> Nov	17.00-18.00	Dr. Shantanu Sapru	Probability, Bayes theorem
3	Saturday	5 <sup>th</sup> Nov	17.00-18.00	Dr. Shantanu Sapru	Diagnostics and measurements, Sensitivity, Specificity, PPV, NPV, Reliability, Precision, Validity, Accuracy, ROC curves



4	Sunday	6 <sup>th</sup> Nov	10.00-12.00	Dr. Akash Agarwal	Observational and epidemiology study designs, case control studies, cohort studies, Odd ratio, Relative Risk, Attributable Risk
5	Friday	11 <sup>th</sup> Nov	16.00-17.00	Dr. Nilotpal Chowdhury	Data distribution-Binomial, Poisson, Gaussian(normal), t-distribution, z-distribution, Samples and Sampling method, Central Limit Theoram (CLT)
6	Friday	11 <sup>th</sup> Nov	17.00-18.00	Dr. Shantanu Sapru	Measures of central tendency Mean, Median,Mode,Range,Std deviation,Std.error, Std.error of mean,Confidence Intervals.
7	Saturday	12 <sup>th</sup> Nov	15.00-15.30	Dr. Nilotpal & Dr. Shantanu	Revision and discussion
8	Saturday	12 <sup>th</sup> Nov	15.30-17.30	Dr. Nilotpal & Dr. Shantanu	Statical Interference, p value,parametric v/s non parametric testing, null hypothesis
9	Sunday	13 <sup>th</sup> Nov	10.00-12.00	Dr. Nilotpal Chowdhury	t-tests,ANOVA, Contingency tables, $\chi^2$ test, Fisher's exact test, Mann-Whitney U-test, Wilcoxon's test, maximum likelihood estimation
10	Friday	18 <sup>th</sup> Nov	16.00-18.00	Dr. Rakesh Agarwal	Correlation, Regression, Spearman' & Pearson's coefficients, Linear & Logistic Regression, Mann-WhitneyU-test, Wilcoxon'test
11	Saturday	19 <sup>th</sup> Nov	15.00-17.00	Dr. Rakesh Agarwal	Time-to –Event(TTE)analysis focusing on Kaplan-Meire analysis &the cumulative incidence method
12	Sunday	20 <sup>th</sup> Nov	10.00-12.00	Dr. Rakesh Agarwal	Comparing TTEmethod-log rank test, Gray's test



13	Friday	25 <sup>th</sup> Nov	16.00-18.00	Drs Akash & Shantanu	Revision and discussion
14	Saturday	26 <sup>th</sup> Nov	15.00-17.00	Dr. Shaleen kumar	Harard Ratio, Cox Regression, Forest plots
15	Sunday	27 <sup>th</sup> Nov	10.00-12.00	Dr Akash Agarwal	Systematic v/s Narrative reviews, Meta-analysis
16	Friday	2 <sup>nd</sup> Dec	16.00-18.00	Drs Akash & Shantanu	Revision and discussion
17	Saturday	3 <sup>rd</sup> Dec	15.00-17.00	Drs Akash & Shantanu	Revision and discussion
18	Saturday	10 <sup>th</sup> Dec	15.00-17.00	-	Examination

**Basic Course in Research Methodology for PG/ PhD students Academic Year 2017-18**

S.no.	Day	Date	Time	Speaker	Topic
1	Monday	23 <sup>rd</sup> Oct	16.00-18.00	Drs Akash & Shantanu	Introduction data, describing data
2	Tuesday	24 <sup>th</sup> Oct	16.00-18.00	Dr. Akash Agarwal	Observational and epidemiology study designs, case control studies, cohort studies, Odd ratio, Relative Risk, Attributable Risk
3	Wednesday	25 <sup>th</sup> Oct	16.00-18.00	Dr. Shantanu Sapru	Probability, Bayes theorem
4	Thursday	26 <sup>th</sup> Oct	16.00-18.00	Dr. Shantanu Sapru	Diagnostics and measurements, Sensitivity, Specificity, PPV, NPV, Reliability, Precision, Validity, Accuracy, ROC curves
5	Friday	27 <sup>th</sup> Oct	16.00-17.00	Dr. Shantanu Sapru Dr. Nilotpal Chowdhury	Error, Bias, Reliability, Precision, Validity, Accuracy, Cronbach's $\alpha$ $\beta$ $\kappa$ statistic, Cochran Q, Inter & intra-observer differences



6	Saturday	28 <sup>th</sup> Oct	15.00-17.00	Dr. Nilotpal Chowdhury	Data distribution-Binomial, Poisson, Gaussian(normal), t-distribution, z-distribution, Samples and Sampling method, Central Limit Theoram (CLT), Measures of central tendency Mean, Median,Mode,Range,Std deviation,Std.error, Std.error of mean,Confidence Intervals.
7	Sunday	29 <sup>th</sup> Oct	11.00-13.00	Dr. Nilotpal & Dr. Shantanu	Statical Interference, p value,parametric v/s non parametric testing, null hypothesis
8	Monday	30 <sup>th</sup> Oct	16.00-18.00	Dr. Nilotpal Chowdhury Dr Akash Agarwal	Revision and discussion
9	Tuesday	31 <sup>th</sup> Oct	16.00-18.00	Dr. Nilotpal Chowdhury	t-tests,ANOVA, Contingency tables, $\chi^2$ test, Fisher's exact test, Mann-Whitney U-test, Wilcoxon's test,
10	Wednesday	1st Nov	16.00-18.00	Dr. Nilotpal Chowdhury	Correlation, Regression, Spearman' & Pearson's coefficients,
11	Thursday	2nd Nov	16.00-18.00	Dr. Nilotpal Chowdhury	Linear & Logistic Regression, Mann-WhitneyU-test, Wilcoxon'test, Cox Regression, Hazard ratio
12	Friday	3 <sup>rd</sup> Nov	16.00-18.00	Drs Akash & Shantanu	Revision and discussion
13	Saturday	4 <sup>th</sup> Nov	11.00-13.00	Dr. Arun Chaturvedi	Correlation, Regression, Spearman' & Pearson's coefficients, Linear & Logistic Regression, Mann-WhitneyU-test, Wilcoxon'test, Cox Regression,
14	Monday	6 <sup>th</sup> Nov	16.00-18.00	Dr. Arun Chaturvedi	Time-to -Event(TTE)analysis focusing on Kaplan-Meire analysis



					&the cumulative incidence method Comparing TTEmethod-log rank test, Gray'sstest, Hazard ratio, Frest Plot.
15	Tuesday	7 <sup>th</sup> Nov	10.00-12.00	Dr Akash Agarwal	Systematic v/s Narrative reviews, Meta-analysis
16	Wednesda y	8 <sup>nd</sup> Dec	16.00-18.00	Drs Akash&Shantanu	Revision and discussion
17	Saturday	18 <sup>th</sup> Dec	15.00-16.00	-	Examination

### Examination:

Examination of PG students and Ph.D. scholars for the courses in Research Methodology and Biostatistics was conducted by the Research Cell;14 students were appeared in the examination held on 30.08.14 (for session 2013-14); 14 students were appeared in the examination held on 03.06.15 (for session 2014-15), 22 students were appeared in the examination held on 01.12.15 (for session 2015-16), 23 students were appeared in the examination held on 10.12.16 (for session 2016-17), 40 students were appeared in the examination held on 18.11.17 (for session 2017-18) and44 students were appeared in the examination held on 10.11.18 (for session 2018-19)

### C. Meetings organized:

1) **Institutional Ethics Committee meeting** held at RMLIMS on 2<sup>nd</sup> April 2011, 3<sup>rd</sup> March; 2012, 24<sup>th</sup> November 2012, 6<sup>th</sup> April 2013, 30<sup>th</sup> November 2013, 10<sup>th</sup> May 2014, 15<sup>th</sup> November 2014, 2<sup>nd</sup> May 2015, 8<sup>th</sup> May 2015, 17<sup>th</sup> Feb 2016, 3<sup>rd</sup> March 2016 , 09<sup>th</sup> March 2016, 09<sup>th</sup> March 2017, 6<sup>th</sup> April 2017 ,27<sup>th</sup> April 2017,27<sup>th</sup> November 2017, 15<sup>th</sup> March 2018,22<sup>nd</sup> March 2018, 19<sup>th</sup> April 2018, 6<sup>th</sup> September 2018, 31<sup>st</sup> January 2019, 28<sup>th</sup> March 2019 2<sup>nd</sup> May 2019, 29<sup>th</sup> August 2019, 12<sup>th</sup> September 2019, 11<sup>th</sup> December 2019,12.12.19, 13<sup>th</sup> Feb 2020, 19<sup>th</sup> Mar 2020, 28<sup>th</sup> May 2020 (Total :30).

2) **Research Committee meetings** held at RMLIMS on 21<sup>st</sup> April 2011, 9<sup>th</sup> December; 2011, 30<sup>th</sup> June 2012, 9<sup>th</sup> March 2013, 30<sup>th</sup> July 2013, 25<sup>th</sup> October 2013, 11<sup>th</sup> March 2014,15<sup>th</sup> October 2014, 27<sup>th</sup> March 2015, 4<sup>th</sup> November 2015, 12<sup>th</sup> May 2016, 18<sup>th</sup> November 2016, 11<sup>th</sup> May 2017, 3<sup>rd</sup> November 2017,23<sup>rd</sup> February 2018, 14<sup>th</sup> May 2018, 26<sup>th</sup> October 2018 13<sup>th</sup>May 2019, 30<sup>th</sup> August 2019, 1 September 2020 (Total:20)



3) **Serious Adverse Event Committee meeting** held at RMLIMS on 23<sup>rd</sup> Dec 2019,17<sup>th</sup> Mar2020,28<sup>th</sup> May2020.

4) **Expedited Review Committee Meeting held at RMLIMS** on 4<sup>th</sup> June 2020.

#### **D. Interviews conducted:**

Interview for the Post of Research Assistant in UPCST funded project and JRF in DST funded project was conducted by the Research Cell. An up gradation assessment from JRF to SRF of DST Inspire Fellow was also conducted by the Research Cell.

#### **E. Short term Basic Training Program on SOP's of Institutional Ethics Committee:**

A basic training program on SOP's of Ethics committee was conducted on 27.04.2017 at Conference Hall, 1<sup>st</sup> floor, Administrative block, RMLIMS by Mr.RiteshKhandelwal , (B.Pharm, MSc Clinical Research (U.K), PGDCRM, PGDPL, CCCR); Head Clinical Research - QREC Clinical Research LLP, which was attended by the Members of IEC, Dr.RMLIMS.

### **ACHIEVEMENTS OF RESEARCH CELL**

**Constitution of Research Cell, RMLIMS: 27<sup>th</sup> June 2012**

**Constitution of Ethics Committee, RMLIMS: 2<sup>nd</sup> April 2011.**

**Constitution of Academic Committee, RMLIMS: 20<sup>th</sup> April 2011.**

**Affiliation of RMLIMS with King George Medical University: 30<sup>th</sup> March 2012.**

**MOU signed with Command Hospital, Lucknow with RMLIMS: 25<sup>th</sup> September 2012.**

**MOU signed with Amity University, Lucknow with RMLIMS: 04<sup>th</sup> December 2012.**

**MOU signed with Integral University, Lucknow with RMLIMS: 05<sup>th</sup> March 2013**

**Reconstitution of Institutional Ethics Committee: January 2016**

**Reconstitution of Research Committee: September 2017-2020**

**Reconstitution of Institutional Ethics Committee: February 2019-2024**

**List of Clinical trials approved from Institutional Ethics Committee**

<b>S. No</b>	<b>Date of submission</b>	<b>IEC No.</b>	<b>Title</b>	<b>PI &amp; funding agency</b>
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1	20.03.17	37/16	Morph-India: A prospective, single-arm , multi-centre, observational, real world, post-marketing surveillance to evaluate safety and performance of the BioMime™MorphSirolimus eluting coronary stent system for very long coronary lesions.	Prof Mukul Misra Dept. of Cardiology Morph India
2	24.10.17	15/17	An Observational ,Multicentre, prospective, Post Marketing Surveillance study to evaluate safety and efficacy of ELORES (ceftriaxone+disodiumedetate+sulbactum)in patients with various bacterial infections.(Labeled indications)	Prof. Deepak Malviya Venus Remedies Limited
3	24.10.17	17/17	A phase II, Multicenter, Randomized, open label and Parallel group study to evaluate safety and efficacy of endoxifen as First-Line therapy in women with metastatic Estrogen Receptor positive Breast Cancer	Dr AkashAgarwal Dept. of Surgical OncologyIntas Pharmaceutical Limited
4	19.02.18	21/17	“ A prospective,active control, open-label, multi-centre, randomized clinical trial comparing BioMime Branch-serolimus Eluting Coronary Side Branch Stent System vs. Xience family of Everolimus Eluting Coronary Stent system to evaluate safety and performance in patients with de novo coronary bifurcation lesions”	Prof. Mukul Misra Dept. of Cardiology Meril Life Sciences Pvt. Ltd.
5	19.02.18	CT- 1/17	An open label, Multicenter, Non Interventional, Observational study to evaluate efficacy of Telmisartan 40mg/80mg+ Chloryhalidone 12.5mg compared to Telmisartan 40mg/80mg+ Hydrochlorothiazide 12.5mg and continuation of Telmisartan 40mg/80mg alone in hypersensitive patients not responding to four weeks of Telmisartan 40mg/80mg mono therapy	Dr Naveen Jamwal Dept. of Cardiology Dr Reddy’s Lab
6	19.02.18		An open label, Multicenter, Non Interventional, Observational study to evaluate efficacy of Telmisartan 80mg+ Amlodipine 10mg/5mg+ Chloryhalidone 12.5mg	Prof. Mukul Misra Dept. of Cardiology



		CT-2/17	compared to continuation of Telmisartan 80mg+ Amlodipine 10mg/5mg Dual combination therapy in hypersensitive patients not responding to four weeks of Telmisartan 80mg+ Amlodipine 10mg/5mg Dual combination therapy	Dr Reddy's Laboratory
7	19.02.18	CT-3/17	A Prospective, Randomized, Double-blind, Double dummy, multi Centre, comparative phase III clinical trial to evaluate the efficacy and safety of Ivabradine Prolonged Release Tablets in Patients with Stable Chronic Heart Failure with Systolic Dysfunction	Prof. Mukul Misra Dept. of Cardiology Abbott Healthcare Pvt. Ltd
8	19.02.18	CT-4/17	A multicentric, randomized open label, comparative, parallel assignment clinical trial to evaluate the safety and efficacy of fixed dose combinations (FDC) of Repaglinide (0.5mg/1mg) + Voglibose (0.2mg/0.3mg) tablets versus Repaglinide (0.5mg/1mg) tablets in patients with type II diabetes mellitus	Dr Manish Gutch Dept of Endocrinology
9	20.7.18	CT-1/18	A Randomized, Double blind, Multicenter, Three-arm, Parallel, Placebo-controlled, Clinical Study to Evaluate the Bioequivalence using Clinical Endpoint of Diclofenac Sodium Topical Gel, 1% (EncubeEthicals Private Limited, India) to Voltaren Gel (Diclofenac Sodium Topical Gel) 1% (Endo Pharmaceuticals Inc., USA) in Subjects with Osteoarthritis (OA) of the Knee.	Dr Sachin Awasthi Head-Clinical Operations CMS Clinical Research
10	20.7.18	CT-2/18	A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Study to Evaluate the Effect of Efglenatide on Cardiovascular Outcomes in Type 2 Diabetes Patients at High Cardiovascular Risk.	Dr. Manish Gutch Dept. of Endocrinology Sanofi



11	20.7.18	CT-3/18	A 12 month prospective observational study assessing the real world clinical effectiveness, safety and health economic benefits of Toujeo initiation after oral anti diabetic drug failure in insulin naïve patients with Type 2 Diabetes Mellitus.	Dr. Manish Gutch Dept of Endocrinology Sanofi
12	20.7.18	CT-4/18	A Randomized, 24 week, controlled, open label, parallel arm, multicentre study, comparing the efficacy and safety of insulin glargine/lixisenatide fixed ratio combination to insulin glargine in type 2 diabetes patients, inadequately controlled on basal insulin with or without metformin.	Dr. Manish Gutch Dept of Endocrinology Sanofi
13	20.7.18	CT-5/18	Multicenter, Open Label, Prospective, Phase IV Interventional Study in Adult Indian Patients to Evaluate the Safety and Efficacy of MyHep LVIRTM (ledipasvir/sofosbuvir, Fixed Dose Combination) in HCV genotype 1 infection and the combination of MyHepTM (sofosbuvir) and MyDeklaTM (daclatasvir) in HCV genotype 3 infections	Dr. PrashantVerma Dept. of Surgical OncologyMylan
14	30.7.18	CT-6/18	A Multicenter, Open Label, Randomized, Two Treatment, Two Period, Two sequence, single dose, cross over study to test for bio-equivalence between Celerity'S Doxorubicin Hydrochloride Liposome Injection 20mg/10ml (2mg/ml) and Reference Doxorubicin Hydrochloride Liposome Injection 20mg/10ml (2mg/ml); Sun Pharmaceutical India Ltd. India, In Patients with Ovarian Cancer.	Dr AshishSinghal Celerity Pharmaceutical. LLC
15	20.7.18	CT-7/18	A post marketing registry of Abluminussiromilus coronary stent system for percutaneous intervention in Patients with diabetes mellitus	Prof. Mukul Misra Dept. of Cardiology



16	04.01.19	CT 8/18	“A Randomized,Double-blind,Placebo-controlled Phase 2 Study to Evaluate the Testicular Safety of Filgotinib in Adult Males with Moderately to Severely Active Ulcerative Colities”.  Study code: <b>GS-US-418-4279</b> .	Dr. PrashantVerma Dept. of Surgical Oncology,Glied Sciences Inc
17	04.01.19	CT 9/18	A Prospective, Multicentric, Randomized, Double Blind, Saline Controlled Phase II Clinical Study to Compare the Safety and Efficacy of PMZ-1620 Therapy along withStandard Supportive Care in Patients of Acute Spinal Cord Injury	Dr . Sachin Avasthi Dept. of Orthopaedic
18	04.01.19	CT 10/18	A multi-center open-label parallel group randomized controlled trial to compare iGlarLixi versus premixed insulin in patients with type 2 diabetes who have failed to achieve glycemic control with basal insulin and oral antidiabetic agents	Dr Manish Gutch Sachin Dept of Endocrinology
19	04.01.19	CT 11/18	A randomized, 24-week, controlled, open label, parallel arm, multicenter study comparing the efficacy and safety of the insulin glargine /lixisenatide fixed ratio combination to insulin glargine in type 2 diabetes patients, inadequately controlled on Basal Insulin with or without Metformin	Dr Manish Gutch Sachin Dept of Endocrinology
20	04.01.19	CT 12/18	Dafodil™-1: A prospective, multi-center, single-arm clinical study to evaluate safety and performance of the Dafodil™ Pericardial Bioprosthesis in patients who require replacement of their natural or prosthetic aortic or mitral valve.	Dr S S Rajput, Dept. of CVTS
21	04.01.19	CT 13/18	A Randomized, Open label, Parallel group, multi center phase 3 study to compare efficacy and safety of recombinant Insulin aspart(Manufactured by Biogenomics Limited) with NovoRapid (Manufactured by Novo Nordisk), in Adult patients with Diabetes	Dr Manish Gutch Sachin Dept of Endocrinology



			Mellitus.	
22	15.04.19	CT 1/19	Efficacy and safety of IntasDenosumab in comparison with Xgeva in patients with solid tumours with bone metastases. Version 1.1, Dated 05 May, 2018	Dr AshishSinghal Dept. of Surgical Oncology <b>Lambda</b>
23	15.04.19	CT 2/19	A global, multicenter, three arms, open-label randomized study to evaluate the efficacy and safety of NanosomalDocetaxel Lipid Suspension compared to Taxotere® (Docetaxel Injection Concentrate) in triple-negative breast cancer patients with locally advanced or metastatic breast cancer after failure to prior chemotherapy.	Dr AshishSinghal Dept. of Surgical Oncology <b>Lambda</b>
24	15.04.19	CT 3/19	A Prospective, Active-controlled, Randomized, Double blind, Multicenter, Phase III Study to Compare the Safety and Efficacy of BiosimilarDenosumab of Enzene Biosciences Limited versus Innovator Denosumab in the Treatment of Postmenopausal Osteoporosis	Dr Sachin Awasthi, Dept. of Orthopaedic <b>Alkem Laboratories Limited</b>
12 A	15.04.19	CT 4/18	A randomized, 24-week, controlled, open label, parallel arm, multicenter study comparing the efficacy and safety of the insulin glargine/ lixisenatide fixed ratio combination to insulin glargine in type 2 diabetes patients, inadequately controlled on Basal Insulin with or without Metformin.	Dr Manish Gutch Dept of Endocrinology <b>Amendment</b>
25	15.04.19	CT 4/19	Trial EFC15082 - A 26-week, Randomized, Open-label, Parallel-group Comparison of SAR341402 Mix 70/30 to NovoMix®30 in Adult Patients with Diabetes Mellitus using Pre-mix Insulin Analogs” – for your review and approval	Dr Manish Gutch Dept of Endocrinology <b>Sanofi</b>



18 A	15.04.19	CT 10/18	A multi-center open-label parallel group randomized controlled trial to compare iGlarLixi versus premixed insulin in patients with type 2 diabetes who have failed to achieve glycemic control with basal insulin and oral antidiabetic agents	Dr Manish Gutch Dept of Endocrinology <b>Amendment</b>
10 A	15.04.19	CT 2/18	A Randomized Double-blind, Placebo-controlled, Parallel-group, Multicenter study to evaluate the effect of Epeglenatide on Cardiovascular Outcomes in Type 2 Diabetes Patients at high Cardiovascular Risk	Dr Manish Gutch Dept of Endocrinology <b>Amendment</b>
26	15.04.19	CT 5/19	A Randomised, Double-Blind, Placebo-Controlled, International, Multicentre, Phase III Study to Investigate the Efficacy and Safety of Ticagrelor and ASA Compared with ASA in the Prevention of Stroke and Death in Patients with Acute Ischaemic Stroke or Transient Ischaemic Attack (THALES)	Dr Abdul Qavi Dept of Neurology <b>Astra Zeneca</b>
27	15.04.19	CT 6/19	A Phase III Randomized, Double Blind, Parallel Group, Placebo Controlled, Multi-Centre, Multinational Study to Evaluate Efficacy and Safety of TRC150094 as an Add on to Standard of Care in Improving Cardiovascular Risk in Subjects with Diabetes, Dyslipidemia and Hypertension	Dr Manish Gutch Dept of Endocrinology <b>Torrent</b>
28	15.04.19	CT 7/19	A prospective cohort, multicentric, non-interventional, observational, real world study to evaluate current clinical practices and quality of life in Indian essential hypertensive patients	Dr Mukul Misra Dept of Cardiology <b>Glenmark</b>
29	26.07.19	CT 8/19/	A randomized, double-blind, multicenter, multinational comparative clinical Study to compare the efficacy and safety of INTP24 against Avastin® in patients with unresectable, locally advanced, recurrent or metastatic non-squamous non-small cell lung cancer. Version 1.0 Dated 22 Feb 2019. <b>Protocol: 0586-18,</b>	DrAshishSinghal, Dept. of Surgical Oncology <b>Intas</b>



30		CT 9/19	A Randomized, Double-blind, Placebo-controlled Phase 2 Study to Evaluate the Testicular Safety of Filgotinib in Adult Males with Moderately to Severely Active Ulcerative Colitis Protocol No:-GS-US- 418-4279	DrPrashant Verma, Dept. of Gastromedicine
31		CT 10/19	A Prospective, Multicenter, Randomized, Double-Blind, Phase 3 Study to Evaluate the Safety and Efficacy of a Gel Formulation of Esmolol Hydrochloride (Galnobax®) in Treating Diabetic Foot Ulcers. Protocol No:- NG-A16	Dr.ShobhitShakya, Dept. of General Medicine
32	26.07.19	CT 11/19	A Phase II randomized, double-blind, Placebo controlled, parallel group, multi-centre study to evaluate the efficacy, safety and tolerability of TRC160334 as an add-on therapy to mesalamine in subject with mild to moderately active ulcerative colitis. Study Code: CT/P016/IBD/17/02_01	DrPrashantVerma, Dept. of Gastromedicine <b>SIRO</b>
33	3.02.20	CT 1/20	A post marketing, multicenter, single-arm, prospective clinical trial to assess the safety and efficacy of FDC of PROPRANOLOL HYDROCHLORIDE IP + CLONAZEPAM IP Tablets in patients with anxiety disorders. Study Code: BRADPL/PHC/PMS/07/19	Dr. Abdul Qavi, Dept. of Neurology <b>AIKUM Drug</b>
34	3.02.20	CT 2/20	A post marketing, open label, multicentre study to evaluate the safety and efficacy of fixed dose combination of Propranolol Hydrochloride 40 mg plus Flunarizin 5 mg and fixed dose combination of Propranolol Hydrochloride 40 mg plus Flunarizine 10 mg in the prophylaxis of migraine without aura.” Study Code: BRADPL/PHF/PMS/05/19	Dr. Abdul Qavi, Dept. of Neurology <b>AIKUM Drug</b>



35	4.02.20	CT 3/20	A Phase III Randomized, Double blind, Parallel Group Comparative Clinical Trial to Evaluate the safety, tolerability and efficacy of 2 Fixed dose combinations of Azelnidipine and Chlorthalidone when compared with fixed dose combination of Amlodipine and Hydrochlorothiazide in patients with Stage II hypertension.  Protocol Number: CT- Syn-AC- 2018	Dr. ShobhitShakya Department of General Medicines <b>Synokem Pharmaceutical Ltd</b>
36	2.02.20	CT 4/20	Clinical trial for Artificial intelligence based Microscopy  Protocol Version_SVL-01/CT/01-2020	Dr. JyotsnaAgrawal Dept. of Microbiology <b>Sevamob Ventures Ltd.</b>
37	22.01.20	CT 5/20	Multicentric single-dose,randomized, parallel arm two treatment bio equivalence study of Mylan's Iron Dextran versus 40llergen'sINFeD following a single intravenous injection in patients with iron deficiency anemia  Protocol no.FEDX 1-19100	Dr. ShobhitShakya Department of General Medicines <b>Mylan</b>
38	22.01.20	CT 6/20	An open label, multicentricprospective clinical trial to evaluate safety and efficacy of fixed dose combination of montelukast 10 mg plus acebrophylline SR 200mg tablet in patients having bronchial asthma in india.  Protocol version-2.0 dated25/april/2019	Dr. ShobhitShakya Department of General Medicines <b>San Pharma</b>
39	13-03-20	CT 8/20	A Prospective, Multi-Center , Phase Study To Assess the Safety, Efficacy and Immunogenicity of BIOSULINR 30-70 (Insulin Injection, Biphane 100 IU/ml of M.J. Biopharm Private Limited)In Treatment OF Patients Diagnosed with Type 2 Diabetes Mellitus.	Dr. ShobhitShakya Department Of General <b>M J BiopharmaPvt Ltd</b>





40	13-03-20	CT 9/20	A Multicenter, Randomized, Comparative Study to Asses Efficacy and Safety of Fixed Dose Combination of Glimpiride, Voglibose and Metformin Tablets in Comparison to Dual- Combination of Anti –Diabetic Drug in Patients with Type 2 Diabetes Mellitus.	DR. ShobhitShakya Department of General Medicines <b>Sun Pharma</b>
41	13-03-20	CT 10/20	A Phase III, Randomised, Double Blind, Parallel Group, Comparative Clinical rial to evaluate the safety, tolerability and efficacy of 2 Fixed Dose combination of Azelnidipine and Telmisartan when compared with Fixed Dose Combination of Amlodipine and Telmisartan in patients with Stage II hypertension.	Dr. ShobhitShakya Department of General Medicines <b>SynkemPharamce uticas Ltd.</b>
42	13-03-20	CT 11/20	A Phase III, Randomised, Double Blind, Parallel Group, Comparative Clinical rial to evaluate the safety, tolerability and efficacy of 2 Fixed Dose combination of Azelnidipine 8 mg + Olmesartan 20 mg and Azelnidipine 8 mg + Olmesartan 40 mg when compared with Fixed Dose Combination of Amlodipine and Olmesartan 20 mg in patients with Stage II hypertension.	Dr. ShobhitShakya Department of General Medicines <b>SynkemPharamce utical Ltd.</b>
	13.02.20	CT 2/18A	A randomized double blind, Placebo control, parallel group multicentre study to evaluate the effect of Epeglenatide on cardiovascular out come in T2DM patient has high cardiovascular risk. (EFC14828)	Dr Manish Gutch Dept of Endocrinology <b>Sanofi</b>
	13.02.20	CT 2/18B	A randomized double blind, Placebo control, parallel group multicentre study to evaluate the effect of Epeglenatide on cardiovascular out come in T2DM patient has high cardiovascular risk. (EFC14828)	Dr Manish Gutch Dept of Endocrinology <b>Sanofi</b>
	13.02.20	CT 2/18C	A randomized double blind, Placebo control, parallel group multicentre study to evaluate the effect of Epeglenatide on cardiovascular out come in T2DM patient has high cardiovascular risk. (EFC14828)	Dr Manish Gutch Dept of Endocrinology <b>Sanofi</b>



	13.02.20	CT 4/19A	A 26-week, Randomized, Open-label, Parallel-group Comparison of SAR341402 Mix 70/30 to NovoMix®30 in Adult Patients with Diabetes Mellitus using Pre-mix Insulin Analogs. (EFC15082/ GEMELLI M	Dr Manish Gutch Dept of Endocrinology <b>Sanofi.</b>
	13.02.20	CT 4/19B	A 26-week, Randomized, Open-label, Parallel-group Comparison of SAR341402 Mix 70/30 to NovoMix®30 in Adult Patients with Diabetes Mellitus using Pre-mix Insulin Analogs. (EFC15082/ GEMELLI M	Dr Manish Gutch Dept of Endocrinology <b>Sponsor Sanofi</b>
	13.02.20	CT 4/19C	A 26-week, Randomized, Open-label, Parallel-group Comparison of SAR341402 Mix 70/30 to NovoMix®30 in Adult Patients with Diabetes Mellitus using Pre-mix Insulin Analogs. (EFC15082/ GEMELLI M	Dr Manish Gutch Dept of Endocrinology <b>Sanofi</b>
43	25.05.20	CT 12/20	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.	Dr. Vikram Singh Dept. of Medicine RMLIMS
44	28.07.20	CT 13/20	A Randomized, Double-blind, Multicenter, Three arm, Active and Placebo-controlled, Parallel Study to Evaluate the Bioequivalence ( with clinical endpoint) of Mupirocin Cream USP,2% (Cadila Healthcare Ltd., India) to Mupirocin Cream USP,2% (Glenmark Pharmaceuticals Inc., USA) in subject with Secondarily Infected Traumatic Skin Lesions.	Dr. Sunil Kumar Singh, Dept. of General Surgery, RMLIMS



**Intramural non- funded project and other projects: 83 (2019-2020)**

S.n o.	IEC no.	Topics	Principal Investigation	Funding
1	1/20	A study of the Pattern of Poisoning by Toxidromic Approach	Dr. Richa Choudhury Dept. of Forensic Medicine & Toxicology RMLIMS.	Intramural Project(Non- Funded)
2	3/20	Diagnostic application of genetic and genomic profiling of circulating free DNA in Gallbladder carcinoma	Prof. Nuzhat Husain Dept. of Pathology RMLIMS.	ICMR Ad –hoc Extramural project for funding
3	5/20	Study of Beijing strain in Pulmonary and Extra pulmonary by Miru VNTR in Uttar Pradesh	Prof. Vineeta mital Dept. of Microbiology RMLIMS.	Extramural Research Proposal (ICMR)
4	7/20	To study and compare the anxiety level of patients coming to Emergency Medicine Department and General Medicine Department	Dr. Rajiv Ratan Singh Yadav, Dept. of Emergency Medicine, .RMLIMS.	Intramural proposal (Non- funded)
5	10/20	Assessment outcome of sclerotherapy for chyluria using DMSA scan	Dr. Satyawati Deswal, Dept. of Nuclear Medicine, RMLIMS	Intramural proposal (Non- funded)
6	12/20	Assessment of Body composition, Autonomic function and mental well-being in Irritable bowel syndrome patients	Dr. Rajani Bala Jasrotia Dept. Of Physiology, RMLIMS, Lucknow	Intramural proposal (Non- funded)
7	13/20	Non-linear geometric method of heart rate variability analysis detects autonomic modulation during breath holding and Valsalva manoeuvre	Dr. Manish Kumar Verma Dept. Of Physiology, RMLIMS	Intramural proposal (Non- funded)



8	14/20	Assessment of sympatho-vagal balance and body composition in athletes and non-athletes	Dr. Manish Kumar Verma Dept. Of Physiology, RMLIMS	Intramural proposal (Non-funded)
9	16/20	Assessment of Knowledge Attitude and Practices among respiratory patients on inhalation therapy in a tertiary care hospital.	Dr. Arpita Singh Dept. of Pharmacology, RMLIMS	Intramural proposal (Non-funded)
10	17/20	Evaluation of maternal, obstetrics, neonatal risk factors for perinatal asphyxia and occurrence of hypoxic ischemic encephalopathy in asphyxiated neonates	Dr. Dipti Agarwal Dept. of Pediatrics, RMLIMS	Intramural proposal (Non-funded)
11	18/20	Cerebral Palsy in Children in Uttar Pradesh: Clinical-etiological Profile and Comorbidities	Dr. Neha Rai Dept. of Pediatrics, RMLIMS,Lucknow	Intramural proposal (Non-funded)
12	19/20	Prevalence of poor glycemc Control and Associated Factors in Diabetes Type 2 patients reporting at a tertiary Health Care Facility: A Cross-Sectional Study	Dr. Rasmi Kumari Dept. of Community Medicine RMLIMS,Lucknow	Intramural proposal (Non-funded)
13	20/20	Sequential facial dilators (amplatz) verse one step dilatation for access in percutaneous nephrolithotomy	Dr. Sanjeet Kumar Singh Dept. UrologyRMLIMS,Lucknow	Intramural proposal (Non-funded)
14	21/20	Stone Formation in patients with pelvi-ureteric junction obstruction :cause or effect	Dr. Sanjeet Kumar Singh Dept. Urology RMLIMS,Lucknow	Intramural proposal (Non-funded)
15	23/20	VAAFT-Early Experience	Dr. Shakeel Masood Dept. of Surgical GastroenterologyRMLIMS,Lucknow	Retrospective study



16	24/20	Comparison of nitrate augmented <sup>99m</sup> Tc-MIBI cardiac SPECT imaging with <sup>18</sup> F-FDG PET imaging for assessment of myocardial viability	Dr. Satyawati Deswal Dept. of Nuclear Medicine RMLIMS,Lucknow	Intramural proposal (Non- funded)
17	25/20	Role of <sup>18</sup> F-FDG PET/CT in the staging and restaging of esophageal cancer: a comparison with CECT	Dr. Shashwat Verma Dept. of Nuclear Medicine RMLIMS,Lucknow	Intramural proposal (Non- funded)
18	27/20	Role of serum procalcitonin (PCT) in diagnosis and prognosis of neonatal bacterial and fungal Sepsis: A tertiary care teaching hospital based study	Dr. Krishna Kumar Yadav Dept. of PediatricsRMLIMS,Luck now	Intramural proposal (Non- funded Retrospective study)
19	29/20	Study of general awareness, attitude and practices regarding dog bite and its management for prevention of Rabies amongst front line health workers in rural block of Lucknow district	Dr. Manish Kumar Singh Dept. of Community Medicine RMLIMS, Lucknow	Intramural proposal (Non- funded)
20	30/20	Knowledge Attitude and Practice relating to Maternal Infant and Young Child Nutrition (MIYCN) among mother attending Immunization Clinic at a Tertiary Health Care facility in Lucknow	Dr. Manish Kumar Singh Dept. of Community Medicine RMLIMS, Lucknow	Intramural proposal (Non- funded)
21	31/20	Comparison between two sample plasma clearance method and GATES method using <sup>99m</sup> Tc DTPA for estimation of GFR	Dr. Shashwat Verma Dept. of Medicine RMLIMS, Lucknow	Intramural proposal (Non- funded)
22	32/20	Agricultural Pesticide Use and Misuse: A study to assess the knowledge and practices among farmers in North India	Dr. Beena Sachan Dept. Community MedicineRMLIMS, Lucknow	Intramural proposal (Non- funded)



23	33/20	Knowledge Attitude and Practices(KAP) regarding Reverse Osmosis(RO) water among urban residents of Lucknow	Dr. Beena Sachan Dept. Community Medicine RMLIMS, Lucknow	Intramural proposal (Non- funded)
24	34/20	Physical Activity Levels and Barrier to Being Active: Epidemiological assessment using “International Physical Activity Questionnaire” (IPAQ) and “CDC-Barriers to Being Active questionnaire”	Dr. Sumeet Dixit Dept. of Community Medicine RMLIMS, Lucknow	Intramural proposal (Non- funded)
25	35/20	Study the knowledge, Attitude and Practice of Contraception in Postpartum women	Dr. Neetu Singh Dept. of OBYNRMLIMS, Lucknow	Intramural proposal (Non- funded)
26	36/20	Study of Socio demographic, Nutritional and Reproductive Factors Associated with Anemia in Pregnancy	Dr. Neetu Singh Dept. of OBGYN RMLIMS, Lucknow	Intramural proposal (Non- funded)
27	37/20	Knowledge Attitude and Practices Regarding Electronic Waste(e-waste) Management Among Consumers of Electronic Equipments living in Lucknow City	Dr. S.D.Kandpal Dept. of Community Medicine RMLIMS, Lucknow	Intramural proposal (Non- funded)
28	43/20	Role of different triggers in precipitation of first ST segment Elevation Myocardial infarction: a case crossover study	Dr.Bhuwan Chandra Tiwari, Dept. of Cardiology RMLIMS, Lucknow	Intramural proposal (Non- funded)
29	45/20	Prevalence of Non-Communicable diseases risk factors and their socio-demographic co-relates among adolescents in a rural area of Lucknow.	Dr. Vinita Shukla Dept. of Community medicineRMLIMS,Luck now	Intramural proposal (Non- funded)



30	46/20	Burden of Tuberculosis in household pediatric contacts of pulmonary tuberculosis patients	Dr. Hemant Kumar Dept. of Respiratory MedicineRMLIMS,Lucknow	Intramural proposal (Non-funded)
31	47/20	Epidemiological Evaluation, Management and Causes of Pre-Hospital and Intra-hospital Delay of Poly trauma patients in Emergency Dept. of tertiary Care Centre Experiences	Dr. Shiv Shanker Tripathi Dept. of Emergency MedicineRMLIMS,Lucknow	Intramural proposal (Non-funded)
32	48/20	Implementation of Central Line Bundle, Diagnostic and antimicrobial stewardship in Intensive Care Units and its Impact on Central Line Associated Blood Stream Infection (CLABSI) in a Tertiary care Centre in North India	Dr. Jyotsna Agarwal Dept. of Microbiology RMLIMS, Lucknow	Intramural proposal (Non-funded)
33	49/20	Correlation between liver transaminases and serum bile acid levels in Intrahepatic Cholestasis of Pregnancy	Dr. Devyani Misra OBYNRMLIMS,Lucknow	Intramural proposal (Non-funded)
34	50/20	Blood pressure variability in patients of type 2 diabetes and relation with complications	Dr. Ritu Karoli Dept. of MedicineRMLIMS,Lucknow	Intramural proposal (Non-funded)
35	51/20	Introduction of a computer based simulation module for Teaching Anatomy with first Professional MBBS students	Dr. Navbir Pasricha Dept. of AnatomyRMLIMS, Lucknow	Intramural proposal (Non-funded)
36	53/20	Impact of Covid-19 pandemic and lockdown on higher mental function of general population in India	Dr. Vibha Gangwar Dept. of Physiology RMLIMS	Intramural proposal (Non-funded)



37	54/20	Screening for Covid-19 related Depression and Anxiety among Heathcare workers and patients seeking care at health care facility during the countrywide lockdown using the validated Patients Health Questionnaire (PHQ-9) and generalized Anxiety Disorder 7 items (GAD-7) scale.	Dr. Manish K. singh Dept. of Community Medicine RMLIMS	Intramural proposal (Non- funded)
38	55/20	Chest radiograph finding in COVID-19 cases: an observational study from level-3 hospital in Lucknow	Dr. Shamrendra Narayan Dept. Radiodiagnosis RMLIMS	Intramural proposal (Non- funded)
39	56/20	Effect of video-guided yoga practices to manage depression, anxiety and stress of health care workers quarantined during COVID-19 pandemic	Dr. Rajani Bala Jasrotia Dept. of Physiology RMLIMS	Intramural proposal (Non- funded)
40	57/20	Assessment of knowledge, Attitude and Practices towards Hydrochloroquine pre-exposure prophylaxis for COVID-19	Dr. Arpita Singh Dept. of Pharmacology RMLIMS	Intramural proposal (Non- funded)
41	58/20	Study of Study of Neutrophil/Lymphocyte ratio in COVID 19	Dr. Ritu Karoli Dept. of Medicine RMLIMS	Intramural proposal (Non- funded)
42	60/20	Microbiological profile in the ear of patients with chronic Suppurative Otitis Media	Dr Ashish Chandra Agarwal Dept of ENT	Intramural proposal (Non- funded)
43	61/20	Knowledge, Attitude and Practice towards Covid-19 among Pregnant women: A cross sectional study	Dr. Neetu Singh Dept. of OBGYN RMLIMS	Intramural proposal (Non- funded)
44	62/20	Evaluation of efficacy of femoral nerve in acute femur fractures in emergency	Dr. Shiv Shankar Tripathi Dept. of Emergency Medicine	Intramural proposal (Non- Funded)





45	63/20	Clinico epidemiological profile of COVID-19 patients at tertiary care hospital in India	Dr Hemant Kumar Dept. of Respiratory Medicine	Intramural proposal (Non- Funded)
46	69/20	Functional outcome of Percutaneous spine endoscopic intervention in lumbar disc herniation-a retrospective analysis	Dr. Anurag Agarwal Dept. of Anaesthesiology RMLIMS	Intramural proposal (non- Funded)
47	70/20	Association of body composition with sleep quality and heart rate variability in migraine and tension type headache patients.	Dr. Rajani Bala Jasrotia, Dept. of Physiology, RMLIMS.	Intramural proposal Retrospective (Non-funded)
48	72/20	Epidemiology and functional outcomes analysis of Neglected Tendoachiles Ruptures treated with augmented repair using peroneus brevis	Dr. Swagat Mahapatra, Dept. of Orthopaedics, RMLIMS.	Intramural proposal Retrospective (Non-funded)
49	73/20	Analysis of Radiological and functional outcome in Non-union tibia managed by Osteoperiosteal decortication flap technique	Dr. Vineet Kumar Dept. of Orthopaedics, RMLIMS.	Intramural proposal Retrospective (Non-funded)
50	74/20	An audit of Incidental Gall cancer: prevalence, referral patterns and outcomes	Dr.Akash Agarwal Surgical Oncology RMLIMS	Intramural proposal Retrospective (Non-funded)
51	75/20	Outcomes of elective cancer surgery during the COVID-19 pandemic crisis: an international, multicenter, observational cohort study (Covid Surg-Cancer)	Dr.Akash Agarwal Surgical Oncology RMLIMS.	Intramural proposal (Non- funded)
52	78/20	Metastases From Renal Cell Carcinoma Report Of Three Unpredictable Cases And Literature Review	Dr. Kiran Preet Malhotra, Dept. of Pathology, RMLIMS	Intramural proposal (Non- funded)



53	79/20	Response to COVID-19 Pandemic in India: Experience from telemedicine centres initiated during the COVID-19 Pandemic(New Adapters) in medical college of Uttar Pradesh	Dr. Manish K. Singh Dept. of Community Medicine, RMLIMS	Intramural proposal (Non-funded)
54	81/20	Open Chronic Wound management in Covid-19 patients in a dedicated COVID-19 Super specialty Tertiary Care Hospital. Is the would SARS CoV2 (COVID-19) positive?	Dr. Vikas Singh Dept. of General Surgery, RMLIMS	Intramural proposal (Non-funded)
55	82/20	Validation of Hi-Screen test for COVID-19 developed at SGPGI	Dr. Jyotsana Agarwal, Dept. of Microbiology, RMLIMS, Lucknow.	Intramural proposal Retrospective
56	83/20	Age and Sex related changes in size, volume and shape of Pituitary Gland- MRI study.	Miss Supriya Nigam (Applicant) Dr. Rajan Bhatanagar Dept. of Anatomy RMLIMS, Lucknow	STS-ICMR Proposal
57	84/20	Ultrasonographic study of Uterine anomalies in female attending a tertiary care hospital	Miss Divya Verma (Applicant) Dr. Anamika Gaharwar Dept. of Anatomy RMLIMS, Lucknow	STS-ICMR Proposal
58	85/20	Relationship of Intervertebral Disc and Nerve roots in the Intervertebral Foramen of Lumbar Spine: A Comparative Cadaveric and MRI Study.	Miss Sonam Yadav (Applicant) Dr. Eti Sthapak Dept. of Anatomy RMLIMS, Lucknow	STS-ICMR Proposal
59	86/20	To evaluate the efficacy of internet de-addiction programme on Perceived stress and autonomic function in young adults.	Miss Anamika Mishra (Applicant) Dr. Rajani Bala Jasrotia	STS-ICMR Proposal



			Dept. of Physiology RMLIMS, Lucknow	
60	87/20	Assessment of abuse of elderly patients coming in OPD of a Government Medical Institute in the capital city of Uttar Pradesh	Mr. Shaurya Gupta (Applicant) Dr. Richa Choudhary Dept. of Forensic Medicine & Toxicology RMLIMS, Lucknow	STS-ICMR Proposal
61	88/20	Alanthosis Nigricans and skin tags as a Screening tool for type 2 Diabetes: A Cross Sectional study at a tertiary health care facility in lucknow	Mr. Aditya Chandra (Applicant) Dr. Sumeet Dixit Dept. of Community Medicine RMLIMS	STS-ICMR Proposal
62	89/20	Effects of Cerebral Palsy on quality of life of patients and caregivers attending physical and mental rehabilitation centre of Tertiary care Hospital in Lucknow	Miss Annanya Agarwal (Applicant) Dr. Beena Sachan Dept. of Community Medicine, RMLIMS	STS-ICMR Proposal
63	90/20	ENT manifestations in patients suffering from COVID-19 study from a COVID hospital in North India.	Dr. Ashish Chandra Agarwal, Dept. of ENT, RMLIMS	Intramural Proposal(Non- Funded )
64	91/20	Utility of Mentzer Index in discriminating Beta-Thalassemia trait and Iron deficiency Anemia in Pregnant females	Mr. Shaurya Gupta (Applicant) Dr. Namrata Punit Awasthi, Dept. of Pathology, RMLIMS	STS-ICMR Proposal
65	92/20	Evaluation of dietary phosphorus intake beyond six months of renal transplantation and its relation to post transplant hypophosphatemia	Dr. Namrata Rao S Assistant Professor, Nephrology, RMLIMS	Intramural Intramural (non- funded)



66	93/20	Assessment of artificial light exposure and sleep patterns in late adolescent students by using ambulatory dry EEG device	Mr. Mayank Vashishtha (Applicant) Dr. Manish Kumar Verma, Dept. of Physiology RMLIMS	STS-ICMR Proposal
67	94/20	Evaluation of Seroprevalence of Covid-19 in Health Care Worker in a Tertiary Care Institute.	Dr. Jaya Garg, Dept. of Microbiology, RMLIMS	Intramural Intramural (non-funded)
68	95/20	Randomized Double blind Comparative study on the efficacy 1.5ATA vs 2.5 ATA hyperbaric oxygen therapy for the treatment of pressure injury in intensive care setting	Dr. Samiksha Parashar Dept. of Anesthesiology & CCM, RMLIMS	Intramural Intramural (non-funded)
69	96/20	Role of Hyperbaric Oxygen Therapy in Acute Severe Pancreatitis: A Pilot Study	Dr. Samiksha Parashar Dept. of Anesthesiology & CCM, RMLIMS	Intramural Intramural (non-funded)
70	97/20	Association of Cataract related vision loss with Fragility fractures in the elderly	Dr. Swagat Mahapatra Dept. of Orthopedics , RMLIMS	Intramural Intramural (non-funded)
71	100/20	Ultrasound measurement of median nerve at the carpal tunnel inlet: comparison in different type of peripheral neuropathy- an observational study	Dr. Shamrendra Narayan Dept. of Radiodiagnosis, RMLIMS	Intramural Non-funded Proposal
72	101/20	Comparative evaluation of different Parenteral agents as Post-operative analgesics in cases of Lichtenstein'S repair ( Open Hernioplasty)	Miss Shivani Kumari (Applicant) Dr. Rohit Srivastava, RMLIMS	STS-ICMR Proposal
73	102/20	Impact of Nationwide lockdown during the Covid-19 pandemic on trauma presentations to emergency department-A tertiary Centre experience	Dr. Shiv Shanker Tripathi, Dept. Emergency Medicine, RMLIMS	Intramural Non-funded Proposal



74	103/20	To study the effect of lockdown on social and financial aspects in patients of renal failure with CKD stage 5D: A questionnaire based, multicenter, cross-sectional study	Dr. Abhilash Chandra, Dept. of Nephrology, RMLIMS	Intramural Non-funded Proposal
75	104/20	Trancranial Doppler assessment of dynamic cerebral autoregulation in critical ill septic shock patients: A prospective observational pilot study	Dr. Manoj Kumar Giri Dept. of Aaesthesiology& CCM, RMLIMS	Intramural Non-funded Proposal
76	105/20	Classification and comparative Analysis of Psychogenic Nonepileptic Seizure semilogy based on video Electroencephalography (VEEG) analysis	Dr. Ajay Kumar Singh Dept. of Neurology, RMLIMS	Intramural (non-funded)
77	106/20	Feasibility and yield of Diabetes Mellitus screening in Tuberculosis patients at Designated Microscopy center's	Dr. Manish Kumar Singh, Dept. of Community Medicine, RMLIMS	Intramural (non-funded)
78	107/20	A Computed Tomographic Study to document Anatomical Variation of first Cervical Vertebra: Incidence, Classification and Possible Clinical Implications	Dr. Navbir Pasricha, Dept. of Anatomy, RMLIMS	Intramural (non-funded)
79	109/20	Pattern of acute MI admissions in India during COVID-19 era: Cardiological Society of India Study	Dr. Bhuwan Chandra Tiwari, Det. Of Cardiology, RMLIMS	Intramural (non-funded)
80	110/20	Effect of minimally invasion pain intervention in frozen shoulder patients- A retrospective analysis	Dr. Shivani Rastogi, Dept. of Anaesthesiology, CCM and Pain Medicine, RMLIMS	Intramural (non-funded)
81	111/20	Comparison of efficacy and safety of 2-chloroprocaine 1%with hyperbaric bupivacaine 0.5% in subarachnoid block	Dr. Sujeet Rai, Dept. of Anaesthesiology, CCM, RMLIMS	Intramural (non-funded)



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		for cesarean section		
82	112/20	A study to evaluate the efficacy of purely accelerated 6 fraction per-week radiotherapy in post-operative oral cavity squamous cell carcinoma	Dr. Sameer Kumar Verma (Applicant) Dr. Shantanu Sapru, Dept. of Radiation Oncology, RMLIMS	Intramural (non-funded)
83	113/20	Lymphopenia in Covid-19:implication in pathogenesis and disease management	Prof. Jyotsna Agarwal Dept. of Microbiology, RMLIMS.	Extramural Project