

## Swami Rama Himalayan University

### INTRAMURAL RESEARCH PROJECTS- 2022 (COMPLETED)

S.No.		Title of Research Project	Principal Investigator	Co-investigator(s)	Funding Agency	Duration
<b>HIMALAYAN INSTITUTE OF MEDICAL SCIENCES (HIMS)</b>						
S.No.	Name of Faculty/Institute	Title of Research Project	Principal Investigator	Co-investigator(s) with designation	Funding Agency	Duration
1	HIMS	Association between ABO blood group and obesity in medical students	Dr. Abha Shrivastava	Nil	SRHU	12 months
2	HIMS	Attitude of Medical undergraduates of Himalayan Institute of Medical Sciences considering Anaesthesiology as the future career option-Questionnaire Study.	Dr. Divya Gupta	Dr. Veena Asthana Miss Harshita Mittal MBBS Intern Mr. Shubham Garg MBBS student Miss. Sakshi Bhagat MBBS student Mr. Shashwat Panchola MBBS student	SRHU	06 months
3	HIMS	Clinico-demographic characteristics and in-hospital outcomes of COVID-19 patients from a tertiary care hospital – Findings from Secondary Data Analysis.	Dr. Jayanti Semwal	Dr. Surabhi Mishra Dr. Neha Sharma Dr. Rakhee Khanduri Dr. Aarti Kotwal Dr. Sanjoy Das Dr. Sundar Lal Jethani	SRHU	04 months
4	HIMS	Study of total quality management in ISO15189; 2012 certified cytopathology laboratory	Dr. Smita Chandra	Dr. Anuradha Kusum Dr. Dushyant S Gaur	SRHU	12 months
5	HIMS	Prevalence of Needle stick injury incidence reported in the tertiary care hospital, Dehradun	Dr. Rajendra Singh	Dr. Garima Mittal Dr. Abhay Kumar Srivastava Mr. Yogesh, ICN, HICC	SRHU	02 months
6	HIMS	To validate use of transmittance sensor of Peripheral pulse oximeter for forehead pulse oximetry in Newborns	Dr. Talha Rehman	Dr. Girish Gupta Dr. Sanobar Wasim Dr. Rakesh Kumar Dr. Chinmay Chetan	SRHU	01 month
7	HIMS	Evaluation of antibody response to COVID-19 vaccine in a group of health care workers in Uttarakhand, India.	Dr. Garima Mittal	Dr. Rajender Singh Dr. Barnali Kakati Dr. Sanjoy Das Ms. Shagufta Jahoor Ms. Preeti Bisht	SRHU	09 months

8	HIMS	Comparative study of traditional vs image based structured practical examination during formative assessment in Microbiology	Dr. Barnali Kakati	-	SRHU	09 months
9	HIMS	An online survey to assess the effect of home confinement during COVID-19 pandemic on the sleep quality and habits of young adults.	Dr. Dipak Kumar Dhar	Dr. Jyoti Dvivedi Mr. Ritik Arora-MBBS II Year	SRHU	03 months
10	HIMS	Evaluate the outcome of patients suffering from non-orthopedic device related chronic osteomyelitis: A retrospective study	Dr. Chetan Pehsin	-	SRHU	06 months
11	HIMS	Normative values for maximal respiratory pressures in the hilly population of Uttarakhand.	Dr. Rakhee Khanduri	Dr. Aashish Negi Dr. Varuna Jethani Mr. Shubham Pandey	SRHU	12 months
12	HIMS	A study of serum testosterone level in men with chronic liver disease and its correlation with the severity of liver disease- an observational study at a tertiary care center	Dr. Naveen Kumar Rajput	Dr. Reshma Kaushik Dr. Shilpa Pal Dr. Shekhar Kushwaha	SRHU	01 Year
13	HIMS	Assessment of clinical pharmacology skills among interns/first year post graduate doctors in a tertiary care hospital	Dr. Saurabh Kohli	-	SRHU	09 months
14	HIMS	Relevance of POSSUM score in the assessment of perioperative mortality and morbidity in surgery for esophageal cancers in a low resource setting-A retrospective analysis	Dr. Priya Ramakrishnan	Supervisor-Dr. Sunil Saini Dr. Manisa Pattanayak Dr. Veena Asthana Mr. Ankit Singh	SRHU	06 months
15	HIMS	Study of prevalence of parasomnias and restless leg syndrome in patients taking psychotropic medications	Dr. Priyaranjan Avinash	Dr. Robin Victor Dr. Rohit Gondwal(Updated) Dr. Anshu Prasad(Updated)	SRHU	6 months
16	HIMS	A cross sectional online survey to assess the effect of hand hygiene practices on development of hand eczema in health-care workers during COVID-19 pandemic	Dr. Rashmi Jindal	-	SRHU	03 months
17	HIMS	Intralesional MMR in molluscum contagiosum: retrospective observational study from a tertiary care centre in north India.	Dr. Payal Chauhan	Dr. Rashmi Jindal	SRHU	04 months
18	HIMS	Trends of leprosy over a period of four years (2016-2019) at a tertiary care hospital in Uttarakhand (India) and comparison with last lustrum (2011-2015)	Dr. Rashmi Jindal	Dr. Payal Chauhan Dr. Samarjit Roy Dr. Y.S Bisht Dr. Sheenam Sethi	SRHU	02 month
19	HIMS	Biochemical markers of Covid-19: Role diagnosis, management and predicting severity of the disease	Dr. Kiran Bhat	Dr. Sohaib Ahmad	SRHU	6months
20	HIMS	Thyroid dysfunction in chronic liver disease and its correlation with severity of chronic liver disease, a study at tertiary care center	Dr. Naveen Kumar Rajput	Dr. Shilpa Pal Dr. Shekhar Kushwaha	SRHU	01 Year
21	HIMS	Estimation of voice disorders in a tertiary care teaching hospital in Uttarakhand- A retrospective study	Ms. Shalini S Narayanan-Audiology	Dr. S.S Bist	SRHU	02 months

22	HIMS	Molecular profile of Drug resistant isolates from CSF of Tuberculous Meningitis patients	Dr. Aarti Kotwal	Dr. Alpa Gupta Dr. Sohaib Ahmad Dr. Shailendra Raghuvanshi	SRHU	2 Years
23	HIMS	Clinical, Histopathological and Dermoscopic analysis of palmoplantar eczema and palmoplantar psoriasis	Dr. Payal Chauhan	Dr. Samarjit Roy Dr. Y.S Bisht Dr. Rashmi Jindal Dr. Nadia Shirazi	SRHU	12 months
24	HIMS	Comparative study of teaching surgical pathology with traditional versus digital methods	Dr. Hemant Kumar Nautiyal	Dr. Jitender Ray Dr. Shantanu Sahu Dr. Babar Rehmani	SRHU	6 months
25	HIMS	Outcome analysis of retrograde intra-medullary femoral nail for distal femur fractures.	Dr. Ruchit Khera	Dr. Atul Agrawal	SRHU	04 months
26	HIMS	Hand drying practices among health care workers: A web based survey.	Dr. Rakesh Kumar	Dr. Sanober Wasim Prof. Girish Gupta	SRHU	03 Months
27	HIMS	Stylet Retaining Lumbar Puncture Needle	Dr. Kunal Das	Dr. Nitika Agrawal	SRHU	06 Months
28	HIMS	Speech and language outcome in children using non-linear amplification device through RBSK scheme in Uttarakhand-A retrospective study	Ms. Shalini S Narayanan-Audiology	Mr. Mukesh Sharma Dr. S.S Bist	SRHU	02 months
29	HIMS	Effectiveness of focused language and articulation based intervention for children with repaired cleft lip and palate.	Ms. P Shalini S Narayanan	Dr. S. S Bist Mr. Mukesh Sharma Dr. Sanjay Divedi	SRHU	01 Year
30	HIMS	Development and evaluation of an innovative T-piece resuscitator(GIRIHARI- Resuscitator)	Dr. Harit Prasad-Post-Doctoral Fellow-	Dr. Girish Gupta Dr. Chinmay Chetan Dr. Saikat Patra	SRHU	03 months
31	HIMS	COVID 19 vaccine acceptance among Indian parents	Dr. Rakesh Kumar	Dr. Sanober Wasim	SRHU	03 months
32	HIMS	Effect of glycerol on Otoacoustic Emission (OAE) in Meiere's disease patients.	Mr. Mukesh Sharma	Dr. S.S Bisht	SRHU	06 months
33	HIMS	A urinal prototype for cancer screening by quantitation of native nucleic acids in urine using UV spectroscopy	Dr. Neeraj Gupta	---	SRHU	06 Months
34	HIMS	First Aid and Support Training Manual for Drivers and Conductors	Dr. Rajeev Bijalwan	Dr. Rakesh Kakkar, Dr. Pradeep Aggarwal, Dr. Anurag Bhargava, Dr. Anil Juyal, Dr. D. C Vidyarthi, Mr. Sunil Khanduri, Mr. Vikesh Semwal	SRHU	09 Months
35	HIMS	Prediction process for acute kidney injury in patients with decompensated cirrhosis	Dr. Reshma Kaushik	Dr. Manjot S. Arora, Dr. Shahbaj Ahmad, Dr. Rajeev Mohan Kaushik	SRHU	09 Months

36	HIMS	Treatment Process of HPV infection and mutation of p53 gene in esophageal squamous cell carcinoma	Dr. Nadia Shirazi	Dr. Tanmay Singh, Dr. Saurabh Bansal, Dr. Sunil Saini, Dr. Mushtaq Ahmad, Dr. Meenu Gupta,	SRHU	12 Months
37	HIMS	Process for prevalence of pain, anxiety, and depression in admitted cancer patients	Dr. Anshika Arora,	Dr. Sunil Saini, Dr. Vipul Nautiyal, Dr. S.K. Verma, Dr. Meenu Gupta, Dr. B.P.Kalra, Dr. Mushtaq Ahmad	SRHU	12 Months
38	HIMS	Scoring method for predictors of 3-month mortality among end-stage liver disease patients	Dr. Rajeev Mohan Kaushik	Dr. Gagandeep Acharya, Dr. Rohit Gupta, Dr. Reshma Kaushik	SRHU	09 Months
39	HIMS	Peritoneal dialysis training simulator for neonates	Dr. Girish Gupta	Dr. Garima Goyal	SRHU	06 Months
40	HIMS	Systematic Review of Cutaneous Manifestations of Coronavirus Disease	Dr. Rashmi Jindal	Dr. Payal Chauhan	SRHU	09 Months
41	HIMS	“GirYaPoorv”- the Thoracostomy trainer simulator model	Dr. Girish Gupta,	Dr. Poorva Sharma, Dr. Yasir Ahmad Lone	SRHU	09 Months
42	HIMS	Morphometric analysis of proximal end of the tibia	Dr. Deepa Singh	Dr. Aksh Dubey Dr. S L Jethani Dr. Nadia Ahmad	SRHU	12 Months
43	HIMS	Diagnostic Rescue of Silent Scalp Swelling by Fine-Needle Aspiration	Dr. Smita Chandra,	Dr. Anuradha Kusum, Dr. Vipul Nautiyal, Dr. Manveer Kour Raina, Dr. Sushil Kumar Shukla	SRHU	09 Months
44	HIMS	Role of Frozen Section of a Sentinel Lymph Node in Patients with Early Breast Cancer for the Management of the Axilla in India	Dr. Anshika Arora,	Dr. Neena Chauhan, Dr. Sunil Saini, Dr. Nishish Vishwakarma, Dr. Tanvi Luthra	SRHU	12 Months
45	HIMS	“GiriHari - Resuscitator” T-piece resuscitator for use in healthcare services during neonatal short transportation in low middle income countries,	Dr. Girish Gupta	Dr. Harit Prasad	SRHU	06 Months
46	HIMS	Comparison of Immediate Postoperative Complications in Using Left Internal Mammary Artery Vein Versus Only Vein	Dr. Deepak Oberoi	Dr. Vinit Mehrotra, Dr. Tarun Chaudhary	SRHU	06 Months
47	HIMS	“GirSohi” - a bubble mattress for neonates undergoing undersurface phototherapy for Neonatal Jaundice	Dr. Girish Gupta	Dr. Sohini Ghosh Dr. Saikat Patra	SRHU	09 Months

48	HIMS	Community-Based Study on Barriers to Utilization of Antenatal Care Services by Currently Married Women	Dr. Ruchi Juyal	Dr. Jayanti Semwal, Dr. Ashok Kumar Srivastava, Dr. Deep Shikha, Dr. Vidisha Vallabh, Dr. Sunil Dutt Kandpal	SRHU	09 Months
49	HIMS	Triple Phase Multidetector Computed Tomography of Hepatic Masses with Cytopathological Correlation	Dr. Mamta Goyal	Dr. DN Awasthy, Dr. Shailendra Raghuvanshi, Dr. Sakshi	SRHU	09 Months
50	HIMS	"GirAsh" - Neonatal Needle Cricothyrotomy Simulator	Dr. Girish Gupta	Dr. Astha Panghal	SRHU	06 Months
51	HIMS	"GirDeep" - a Gastric Tube Holder, for neonates being cared under radiant warmers & baby cradles, in low middle income countries	Dr. Girish Gupta	Mr. Deepak Sharma Dr. Chinmay Chetan	SRHU	06 Months
52	HIMS	"GiriSohi" - Suprapubic needle aspiration (SPNA) trainer	Dr. Girish Gupta	Dr. Sohini Ghosh Dr. Saikat Patra	SRHU	12 Months
53	HIMS	"GirIndu" - An ambient light dimmer, for creating developmentally supportive night milieu for the neonates being cared under radiant warmers & baby cradles in low middle income countries	Dr. Girish Gupta	Ms. Indu Negi, Dr. Saikat Patra	SRHU	06 Months
54	HIMS	"GiriBLS" - A Life savior Basic Life Support Ready Reference Pocket Purse sized Card	Dr. Girish Gupta	--	SRHU	06 Months
55	HIMS	Evaluation process for ADC Values in Probably Benign and Suspicious Malignant Breast Lesions	Dr. Manju Saini,	Dr. M. Goel, Dr. A. Kusum, Dr. M. Pattanayak, Dr. S. Raghuvanshi, Dr. Asmita Chugh	SRHU	09 Months
56	HIMS	Case control method for Diabetes mellitus as a risk factor for ischemic stroke	Dr. Jayanti Semwal	Dr. Deep Shikha, Dr. Yashpal Singh, Dr. Dheeraj Bansal, Dr. Sudip Bhattacharya, Dr. Sumit Kumar Singh	SRHU	09 Months
57	HIMS	Diagnosis method for VAP based on clinical and microbiological criteria	Dr. Garima Mittal,	Dr. Rajender Singh, Dr. Manish Mittal, Dr. Barnali Kakati, Dr. Shagufta Jahoor, Dr. Madhuri Tripathi	SRHU	06 Months
58	HIMS	Method for finding prevalence of psychological distress among cancer patients	Dr. Ruchi Juyal	Dr. Deep Shikha, Dr. Sunil Saini, Dr. Jayanti Semwal, Dr. Amita Mason, Dr. Sai Chandan Das	SRHU	12 Months

59	HIMS	Uncommon Etiology of Chronic Wheeze	Dr. Varuna Jethani,	Dr. Rakhee Sodhi Khanduri, Dr. Ankit Aggarwal, Dr. Suchita Pant	SRHU	09 Months
60	HIMS	Traumatic Optic Neuropathy in Head Injury	Dr. Renu Dhasmana	Dr. Ranjit Kumar	SRHU	09 Months
61	HIMS	Corneal transplants surgical method	Dr. Renu Dhasmana	Dr. Amit, Dr. Harsh Badahur	SRHU	09 Months
62	HIMS	Method of tarsorrhaphy and amniotic membrane transplantation in the healing of persistent corneal epithelial defects	Dr. Harsh Bahadur	--	SRHU	06 Months
63	HIMS	Cross-Sectional Observational Study on Clinico-Aetiological Profile of Patients with Vertigo	Dr. Sampan Singh Bist	Dr. Lovneesh Kumar, Dr. Vinish Kumar Agarwal, Dr. Himanshu Kumar Mittal, Dr. Shiraz Syed,	SRHU	09 Months
64	HIMS	Antibiotic audit tool: simple and effective	Dr. Garima Mittal	---	SRHU	06 Months
65	HIMS	Rare Etiology of Drug Rash in a Patient Receiving AntiTuberculosis Treatment	Dr. Rakhee Sodhi Khanduri	Dr. Varuna Jethani, Dr. Rashmi Jindal, Dr. Nadia Shirazi	SRHU	09 Months
66	HIMS	Cross-Sectional Study on Oral Health Knowledge and Beliefs Assessment in Adult Population	Dr. Abhishek Kandwal	Dr. Sanjeeva Kumar, Dr. Nidhi Kundra	SRHU	09 Months
67	HIMS	Method of finding patterns of microorganisms of urinary tract infection and its outcomes in diabetic patients	Dr. Nand Kishore	Dr. Sushant Khanduri, Dr. Barnali	SRHU	06 Months
68	HIMS	Study of Awareness and Adherence in Patients Receiving Anti- Hypertensive Drugs	Dr. Taruna Sharma	Dr. Sohaib Ahmad, Dr. Suman Bala, Dr. Juhi Kalra, Dr. Aalia Tausif	SRHU	09 Months
69	HIMS	Acute effect of slow abdominal breathing on heart rate variability in pre-hypertensive	Dr. Yogesh Saxena,	Dr. Nimish Jindal	SRHU	09 Months
70	HIMS	Study to Assess Knowledge, Attitude, and Practices Toward Road Traffic Safety Regulations Among Students	Dr. Neha Sharma	Dr. Shaili Vyas, Dr. Jayanti Semwal, Dr. Swati Sharma	SRHU	06 Months
71	HIMS	Process to calculate the Tc-99m pertechnetate thyroid uptake using Thyroid Uptake Probe	Dr. Nisha Bhatia	--	SRHU	09 Months