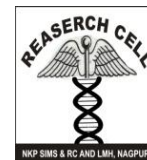




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**Research Cell**

**Ongoing Research Project 2023**

Sr. no	Department	Principal investigator	Co investigator	Title of research Project
1	Anatomy	Dr. Deepali Onkar	Dr. Akshita Panpalia	Estimation of normal parameters of craniovertebral junction (CVJ) parameters amongst Indian population using MRI & CT
2	Biochemistry	Dr. Smita Narad		Developing & implementation of team based learning for first MBBS students in biochemistry.
3	Biochemistry	Dr. U. Satya Devi	Dr. Madhur Gupta	Role of oxidative stress and inflammation in chronic kidney disease patients.
4	Biochemistry	Dr. Smita Narad	Dr. Suresh Chari Dr. Madhur Gupta	Effective of team based learning versus problem based learning in teaching biochemistry.
5	Biochemistry	Dr. Sheel Thorat	Dr. Madhur Gupta	An approach for development of region specific thyroid hormone reference limits.
6	Biochemistry	Dr. Madhur Gupta		Connecting under graduate medical students to health research: role of research methodology workshop in improving research skills.
7	Biochemistry	Dr. U. Satya Devi	Dr. Madhur Gupta	Role of six sigma metrics in the clinical biochemistry laboratory of a tertiary health care centre

8	Physiology	Dr. Tasneem J Ansari	Dr. Meghana Gaikwad	Lipid Profile of Central Indian Adult population in comparison with western reference values: A cross sectional pilot study
9	Physiology	Dr. Tasneem J Ansari	Dr. Meghana Gaikwad	Lipid Profile of Central Indian Adult population in comparison with western reference values: A cross sectional pilot study
10	Forensic Medicine & Toxicology	Dr Arti Kasulkar	Dr Madhur Gupta Dr Shailesh Wakde	Awareness about human papilloma virus vaccination in health science students : A cross-sectional study
11	Forensic Medicine & Toxicology	Dr Shailesh Wakde		Correlation between length of middle finger and stature
12	Forensic Medicine & Toxicology	Ms Deepti Amborkar	Dr Arti Kasulkar	Knowledge, attitude and practice of lifestyle modification among hypertensive patients visiting a tertiary care hospital located in Central India: A cross-sectional study
13	Forensic Medicine & Toxicology	Dr Sharjeel Khan	Dr Shadma Quazi Dr HT Kanade	Assessment of knowledge of various sections of IPC and CrPc related to human bodily harm among faculties of a medical college in central India
14	Pharmacology	Dr. R. A. Siddiqui	Dr T. R Shende	Analysis of pattern of anti-osteoarthritic drugs in a tertiary care hospital of central India- A drug utilization study
15	Pharmacology	Dr. S. Quazi	Dr. Swanand Pathak	Drug utilization of anti- viral drug, their efficacy and its association with prakriti of Ayurveda : A pragmatic multicentre interdisciplinary study.”
16	Pharmacology	Dr. P. Sonwane	Dr. Varun Jaitpal , Dr. R A. Siddiqui	“Study of prescription pattern analysis of bipolar disorder in tertiary care hospital of central India.”
17	Pharmacology	Dr. A V. Dashputra	Dr. R. A. Siddiqui	Raising the awareness of nursing staff about medication use
18	Pharmacology	Dr. A V. Dashputra	Dr. R. A. Siddiqui	Comparative Efficacy of Phenytoin Sodium and Levetiracetam in Primary Generalized Tonic - Clonic Seizures (Grand Mal Epilepsy) in Rats
19	Pharmacology	Dr. H. V. Salankar	Dr. Swapnali Bansode	Electives posting: A reflection from students and teachers perspective.

20	Community Medicine	Dr. Yamini Pusdekar	Dr. Leena Balpande, Dr. Sayali Bhagat. Dr. Ajeet Saoji Dr. Madhur Gupta	Stakeholder perspectives regarding the strengths and challenges of implementing the Family Adoption program A qualitative study
21	Community Medicine	Dr. Yamini Pusdekar	Dr. Ajeet Saoji Dr. Madhur Gupta	Feedback Dilemma - Provider and Learner perspectives regarding the barriers and facilitators for giving and receiving feedback in Medical Education: A parallel mixed methods approach
22	Community Medicine	Dr. Yamini Pusdekar	Dr. Shilpa Hajare Dr. Ajeet Saoji	Effectiveness of “SAFAL MATRUTV GATS” (Stunting Alleviation by Facilitation of Antenatal-postnatal-interventions for Low birth weight reduction) – A peer led self- empowerment group at rural villages in Eastern Maharashtra: A Pragmatic cluster randomized controlled trial
23	Community Medicine	Dr. Yamini Pusdekar	Dr. Shilpa Hajare Dr. Ajeet Saoji	Effectiveness of a multimodal awareness campaign, “#LohSeSaundaryaAurSphurti#” targeting young beneficiaries in the age group of 6-18 years and implementer capacity building in Ashram Shalas in the tribal regions of Eastern Maharashtra for strengthening WIFS (Weekly Iron Folic Acid Supplementation) program implementation and anemia reduction: pragmatic parallel arm open label cluster randomized controlled trial
24	Community Medicine	Dr. Shilpa Hajare	Dr. Yamini Pusdekar and Dr Ajeet Saoji	"Prevalence of dental fluorosis among children aged 6-18 years and its association with geological and geochemical aspects of fluoride levels in selected district of Vidharbha,Maharashtra:Analytical cross sectional study ."
25	Community Medicine	Dr. Shilpa Hajare	Dr. Leena Balpande Dr. Ajeet Saoji	"Impact of Covid-19/SARS-COV-2 on social behaviour of Indian community."
26	Community Medicine	Dr. Meenal Kulkarni	Dr. Ajeet Saoji Dr. Purva Patil	"Knowledge and practices regarding consumption of millets among general population ."

27	Community Medicine	Dr. Tushar S. Tathe	Dr Shilpa Hajare Dr Yamini Pusdekar Dr. Akansha Dani	"Emotional intelligence among the medical students -A comparative cross sectional study."
28	Community Medicine	Dr. Ajeet Saoji	Dr Nitesh Upadhayay	"Determinants Of diabetic foot ulcer among patietns with diabetes mellitus in atertiary care hospital:A case control study
29	Community Medicine	Dr. Ajeet Saoji	Dr. Shilpa Hajare Dr. Yamini Pusdekar	"Hair loss and premature hair graying among 18-30 years old adults:Is it a devil creating peril"
30	Community Medicine	Dr. Aniruddha Deoke	Dr. Shilpa Hajare Dr. Mrunal Khandale	"Awareness of antibiotic use and its resisitance and self medication practices among adults in urban slum.-A cross sectional study."
31	Community Medicine	Dr. Leena Balpande	Dr. Akansha Dani	"Perception about work related stress and its impact on quality of life of working women in health sector:A mixed method study."
32	Community Medicine	Dr. Leena Balpande	Dr. Akansha Dani	"Assesment of dietary diversity,nutritional status and associated factors among under-five children of central India."
33	Community Medicine	Dr. Leena Balpande	Dr. Yamini Pusdekar	"Influence of Social Media/Media on psychological health during COVID-19 pandemic."
34	Pathology	Dr. Pragati Karmarkar	Dr. Trupti Dongre	Apoptotic index assessment in various grades of cervical epithelial dysplasia(CED) : A Cross sectional study
35	Pathology	Miss. Ridhima Agrawal	Dr. Anne Wilkinson	Awarness about sickle cell disorders amongst the population in centrsI India -A cross sectional study
36	Pathology	Dr. Vaishnavi Jaiswal	Dr. Anne Wilkinson	Anemia in adults men in a tertiary health care centre
37	Pathology	Dr. Ketki Mendhey	Dr. Anne Wilkinson	Utility and accuracy od frozen section examination for uterine tumors
38	Microbiology	Dr. Nidhi Rehpade	Dr. Pallavi Tatte	Microbial profile of otorrhoea in patients attending OPD in tertiary care hospital
39	Microbiology	Mr. Vishwajit M. Paikarao	Dr. Umesh Hassani ,Dr.Neena Nagdeo	Comparative analysis of pooling methods for detection of SARS-COV-2-RT-PCR to increase molecular testing throughput

40	Microbiology	Dr. Kalpana Date	Dr. Umesh Hassani	Early detection of carbapenemase producing gram negative isolates by NG-TEST /CARBA -5
41	Anaesthesiology	Dr. Anajli Bhure		Comparison of ultrasound guided interscalne brachial plexus block with 5 ml and 8 ml of 0.25% ropivacaine for post operative limb orthopedic surgeries-A randomized controlled trial
42	Anaesthesiology	Dr. Heena Pahuja	Dr. Rachana Naitam Dr. Anjali Bhure	Comparison between two different doses of transdermal fentanyl patch for post-operative analgesia in patients undergoing abdominal hysterectomy- A randomized controlled trial
43	Anaesthesiology	Dr. Savita Chauhan	Dr. Anjali Bhure Dr .Ketaki Marodkar	Comparison of Dexmedetomidine as adjuvant with Ropivacaine versus Ropivacaine alone in Ultrasonography guided Adductor Canal Block for postoperative analgesia after Knee Arthroscopy : A Randomised controlled study
44	Anaesthesiology	Dr. Ketaki Marodkar	Dr. A. Bhure Dr. S chauhan	Comparative evaluation of oral melatonin and nebulized dexmedetomidine for the attenuation of haemodynamic response to laryngoscopy and tracheal intubation : a randomized double blind study.
45	Anaesthesiology	Dr. Rachana Naitam	Dr. Heena Pahuja Dr. Anjali Bhure	Comparison of dexmedetomidine and dexamethasone as adjuvant for ropivacaine in ultrasoung guided erector spinae plane block for postoperative analgesia in patients undergoing modified radical mastectomy surgery- A randomised controlled trial
46	Anaesthesiology	Dr. Madhushree Shah	Dr. Heena Pahuja Dr. Rachana Naitam	Predictive value of preoperative Usg guided skin to epiglottis distance to cormack lehane grading to assess difficult intubation in patients undergoing surgery under general anaesthesia- A cross sectional study
47	Dermatology Venerology and Leprosy	Dr. Sushil Pande	Dr. Ajay Dodeja	Formulation of luliconazole microsponges

48	Dermatology Venerology and Leprosy	Dr.Manjiri Oke	–	Clinical Comparision of 1064 and Q-switched ND YYAG Laser intreatment of lip pigmentation: A Prospective interventional study
49	Dermatology Venerology and Leprosy	Dr.Manjiri Oke	Dr. Milind Borkar	Study of knowledge , attitude & practice of aesthetic dermatology procedures among students of health sciences.
50	Dermatology Venerology and Leprosy	Dr.Manjiri Oke	Dr. Milind Borkar	Use of plasma therapy in treatment of striae distensae - An open label experimental study
51	Dermatology Venerology and Leprosy	Dr.Manjiri Oke	Dr. Milind Borkar	Effect of PRP along with microneedling in treatment of striae distensae
52	Dermatology Venerology and Leprosy	Dr. Kirti Meshram	Dr. Sushil Pande	Study of safety and effectiveness of oral tranexamic acid and topical sunscreen in treatment of Melasma
53	General Medicine	Dr. Hemant Waghmare	Dr. Bansod, Dr. Humaney, Dr. Krunal Domki, Dr. Akshay Shelar, Dr.Aditya Wagh	Timing of intubation with outcome in critical illness patient admitted in ICU in central India
54	General Medicine	Dr. Sunanda Chaoji	Dr. Tanuja Manohar (Professor) Dr. Ankita Shelke (JR-2)	Clinical profile of patients presenting with acute febrile illness during monsoon season for 2 successive years
55	General Medicine	Dr. Tanuja Manohar		Clinical characteristics & and risk of Diabetic Complications in different clusters among Type – 2 Diabetes
56	General Surgery	Dr. Mohd. Yunus Shah	Dr. Nitin Wasnik Dr. Sushrut Fulare	Safety and feasibility of Laparoscopic surgery in complicated acute appendicitis
57	Ophthalmology	Dr.Rekha Khandelwal	Dr. Deepa Ajitkumar	International globe and adenexal trauma epidemiology study (IGATES II)
58	Otorhinolaryngology	Dr. Disha Methwani	Dr. Kanchan Dhote	Clinico profile of post COVID-19 Rhino Orbital cerebral mucormycosis at a Tertiary Care Hospital of cetral India - A Retrospective study.

59	Otorhinolaryngology	Dr. Arjun Jichkar	Dr. Disha Methwani	ICMR Project- Assessment of quality of life in post COVID-19 mucormycosis patients treated at a Tertiary Care Hospital : A Cross Sectional Study
60	Otorhinolaryngology	Dr. Sonali Khadakkar	Dr. Nitin Deosthale	Incidence of Hearing loss in Newborns of Tertiary Care Hospital By Newborn Hearing Screening : A Longitudinal Study
61	Otorhinolaryngology	Dr. Kiran Kulsange	Dr. Vivek Harkare	Clinical profile of patients of conductive hearing loss with intact tympanic membrane : A Longitudinal Study
62	Psychiatry	Shruti Jain	Dr. RAhul Tadke, Dr Anand Khare Dr Sushil Gawande	To study the dietary patterns in children with Neurodevelopmental disorders An observational study
63	Psychiatry	Dr Sanjana Jaiswal	Dr Sushil Gawande	study of psychopathology in family members of patients died of COVID 19 A door to door survey
64	psychiatry	Dr Akshay Jadhav	Dr Sushil Gawande, Dr. Rahul Tadke	A curious case of clumpy compulsion
65	psychiatry	Dr Sanjana Jaiswal	Dr Sushil Gawande, Dr. Rahul Tadke	Study of social anxiety in patients diagnosed with vitiligo
66	psychiatry	Dr Apurva Joshi	Dr Sushil Gawande, Dr. Rahul Tadke	study of depression of quality of life in patients on hematology
67	psychiatry	Dr Akshay Jadhav	Dr Sushil Gawande, Dr. Rahul Tadke	Post-traumatic stress disorder and depression in COVID 19 survivors A cross sectional study
68	Psychiatry	Dr Varun Jaitpal	Dr Vivek Kirpekar Dr Sudhir Bhawe	Analysis of negative symptoms, self esteem and deliberate self -harm attempt in patients with schizophrenia
69	Psychiatry	Dr Varun Jaitpal	Dr Sushil Gawande, Dr. Rahul Tadke	Assessment of abnormal involuntary movements in psychiatric patients
70	Radiodiagnosis	Dr.Avinash Dhok	Dr. Sidharth Gupta	Morphometry of optic nerve sheath diameter by computed tomography
71	Radiodiagnosis	Dr.Dipali Onkar	Dr. Gajanan kishor Wattamwar	Evaluating the testicular volume on ultrasound in Indian population by two different volume estimation formulas.
72	Radiodiagnosis	Dr.Dipali Onkar	Dr. Suchita Bahurpe	Morphometry of arteries in anterior part of circle of willis - A cross sectional study

73	Radiodiagnosis	Dr. Avinash Dhok	Dr. Deepali Trimukhe	Morphometry of lumbosacral spine among Indian adult populations; A quantitative magnetic resonance imaging analysis
74	Radiodiagnosis	Dr. Prashant Onkar	Dr. Azar Shaikh	To establish the normal range of existing and novel doppler parameters of internal carotid artery in Indian population
75	Radiodiagnosis	Dr. Suresh Phatak	Dr. Nabha Mahajan	Measurement of common bile duct diameter and angulation among adult Indian population using MDCT abdomen
76	Radiodiagnosis	Dr. Ashish Ambhore	Dr. Wajid Attar	Normal reference value of mesenteric lymph nodes sizes in children
77	Radiodiagnosis	Dr. Prashant Onkar	Dr. Adnan Iliyas	Anthropometric study of seminal vesicle and vas deference size on USG in Indian population.
78	Radiodiagnosis	Dr. Prashant Onkar	Dr. Suchita Bahurupe	Identification of novel and established Doppler indices of renal artery in tertiary care institute
79	Radiodiagnosis	Dr. Dipali Kadam	Dr. Udai Chowdhary	Determination of carotid - intima media thickness hypercholesterolemia pateints in central Indain population.
80	Radiodiagnosis	Dr.Dipali Onkar	Dr.Akshita Panpalia	Estimate the normal parameters of CVJ parameters amongst Indian population using mRI & CT
81	Radiodiagnosis	Dr.Dipali Kadam	Dr.Huma shaheen khan	Sonographic eveluation and comparision of temporomandibular joint (TMJ) in normal and patients with internal derangement in temporomandibular joint A prospective comparative study.
82	Radiodiagnosis	Dr.Dipali Kadam	Dr. Sagar Vitthal Gund	Morphometry of cervical spine among indian adult population : A quantitative magnetic resonance imaging analysis
83	Radiodiagnosis	Dr. Suresh Phatak	Dr. Rohit Joat	Diagnostic accuracy of ultrasound elastography in evaluation of scrotal pathologies and clinical with pathological correlation.
84	Radiodiagnosis	Dr. Suresh Phatak	Dr. Prashant Onkar Dr. kaunteya Kale	Diagnostic accuracy of sonograophic features of testicular tumours and its correlation with histopathology.



85	Radiodiagnosis	Dr. Suresh Phatak	Dr. Saurav Date	Sonographic spectrum of inguinoscrotal mass lesions with clinical and pathological correlation.
86	Radiodiagnosis	Dr. Suresh Phatak	Dr. Rohit Joat	Shear- wave elastography of the testis in the healthy men - determination of standard values in Indian population
87	Radiodiagnosis	Dr. Sandeep Dhote	Dr.Madeeha Sadaf	Anthropometric study of three methods of cervical measurement in the 2nd and 3rd trimester : single line, two line and tracing on USG in Indian female population
88	Radiodiagnosis	Dr. Kajal Mitra	Dr. Sanket Rajendra Mane	Determination of mean shear moduli of various superficial soft tissue masses and their pathological correlation (FNAC/ Histopatholgy)
89	Radiodiagnosis	Dr. Prashant Onkar	Dr. Priyanka Hande	Clinical application of artificial intelligence system (S-detect) for evaluation of breast masses by ultrasound
90	Radiodiagnosis	Dr. Suresh Phatak	Dr. Shivkanta Sangram Bamne	Sonographic evaluation of osteoarthritis of knee
91	Radiodiagnosis	Dr. Ashish Ambhore	Dr.Jay Radheykumar Nagargoje	The correlation of 2D shear wave elastography with MELD score in patients with chronic liver disease for predicting the prognosis of patients based on liver stiffness measurement.
92	Radiodiagnosis	Dr. Prashant Onkar	Dr. Kaunteya Kale	Diagnostic performances of artificial intelligance based computer aided diagnostic system for detection of thyroid lesions based on thyroid imaging reporting and data systems.
93	Radiodiagnosis	Dr. Kajal Mitra	Dr. Saurav Date	Utiliy of MV - flow imaging of placenta in normal and fetal growth restricted pregnancies
94	OBGY	Dr. Anuja Bhalearo	Dr. Savita Somalwar	Evaluation of a smartphone - based AI -imaging for screening of cervical cancer
95	OBGY	Dr. Anuja Bhalearo	Dr. Sharvari Lothe	Condom uterine balloon tamponade for management of postpartum heemorrhage
96	OBGY	Dr. Savita Somalwar	Dr. Prachi Dixit, Dr. Kanchan Dwidmuthe , Dr. Sheela Jain	Im[pact of Covid -19 pandemic academic, psychological and social aspect of MBBS student

97	OBGY	Dr. Pachi Dixit	Dr. Anuja Bhalerao	Bilateral internal iliac ligation in case series of placenta accrete syndrome
98	OBGY	Dr. Sheela Jain	Dr. Savita Somalwar Dr. Shraddha Rao	Prevalence of menopausal symptoms in peri menopausal symptoms in peri menopausal and post menopausal nurses and its impact on work and quality of life: A Cross sectional study
99	OBGY	Dr. Nikita Viajy	Dr. Anuja Bhalerao	Efficacy and safety of Diagnostic Hysteroscopy and its Histopathological correlation in perimenopausal women with Abnormal Uterine Bleeding.
100	Paediatrics	Dr. Pradeep Pazare	Dr. Shubham Bhangde	Assessment of Vitamin D levels in children on Anti convulsant therapy- a cross sectional study.
101	Paediatrics	Dr. Anjali Edbor	Dr. Piyusha Shinde	Assessment of Vitamin D levels in preterm neonates less than 36 weeks with respiratory distress syndrome- a cross sectional study.
102	Paediatrics	Dr. Himanshu Dua	Dr. Aditya rahane	Clinical profile of Co-morbidities in cerebral palsy children attending a tertiary care hospital.
103	Paediatrics	Dr. Girish Nanoti	Dr. Aakansh Reddy	association between serum Vitamin D deficiency and neonatal sepsis in a tertiary care hospital- a case control study.
104	Paediatrics	Dr. Pradeep Pazare	Dr. Sanika Patil.	Proportion of Microalbuminuria among children with sickle cell disease in age group 1-18 years- a cross sectional study.
105	Paediatrics	Dr. Pradeep Pazare.	Dr. Sakshi Vasant	Clinical profile of neonates developing ventilator associated pneumonia in NICU in a tertiary care hospital
106	Paediatrics	Dr. Anjali Edbor	Dr. Shweta Dhasal	Diagnostic Accuracy of Procalcitonin to Albumin and Procalcitonin to CRP ratio compared to blood culture in neonatal sepsis- a cross sectional study.
107	Paediatrics	Dr. Girish Nanoti	Dr. Sayali Rathod	Assessment of hearing impairment in neonates admitted in NICU in a tertiary care hospital by Oto-acoustic emission test- a cross sectional study.

108	Paediatrics	Dr. Anjali Edbor	Dr. Somasundaram	Effectiveness in early Caffeine therapy vs placebo in prevention of apnea of prematurity in newborns in gestational age of 28-32 weeks- a randomized control trial.
109	Paediatrics	Dr.Pradeep Pazare.	Dr.Shivani Agrawal.	Sensoriural Hearing loss in children with sickle cell disease in the age group of 7-18 years- a cross sectional study.
110	Paediatrics	Dr.Himanshu Dua	Dr.Samiksha Andhare	Accuracy of Modified International clinical epidemiology network(INCLEN) tool as compared to EEG for diagnosis of epilepsy in children between 6 months and 18 years of age- a cross sectional study.
111	Paediatrics	Dr. Pradeep Pazare	Dr.Sainath Padalwar	Accuracy of neutrophil to Lymphocyte ratio as compared to blood culture in diagnosing neonatal sepsis: a cross sectional study.
112	Paediatrics	Dr.Anjali Edbor	Dr. Yash Songra	Clinical profile of neonates admitted in neonatal intensive care unit with hypertension
113	Paediatrics	Dr.Girish Nanoti	Dr.Anisha Lohia	Frequency of Metabolic bone disease in children with Nephrotic Syndrome between age 5-12 years- a cross sectional study.
114	Paediatrics	Dr. Anjali Edbor	Dr.Nikhil Bhutoria	Proportion of elevated serum ferritin levels and its association with mortality in children between age 1 month-18 years admitted to PICU with severe sepsis- an analytical cross sectional study.
115	Paediatrics	Dr.Girish Nanoti	Dr.Aashi Gupta	Accuracy of gastric lavage vs induced sputum for diagnosis of pulmonary tuberculosis by using cartridge based nucleic acid amplification test in children of age group 6-14 years attending tertiary care hospital- a cross sectional study.
116	Paediatrics	Dr.Pradeep Pazare.	Dr.Divya Agrawal	Proportion of malocclusion among children with sickle cell disease in age group 12-18 years - a cross sectional study

117	Paediatrics	Dr.Anjali Edbor	Dr.Sorabh Biyani	Effectiveness of breastfeeding education and training on improvement of breastfeeding techniques among PNC mothers using LATCH score at 24 and 72 hours- a before and after comparison study.
118	Paediatrics	Dr.Pradeep Pazare.	Dr.Gaurav Nemade	Proportion of health related quality of life problems in children with sickle cell anaemia in the age group of 5-18 years - a cross sectional study
119	Paediatrics	Dr.Pradeep Pazare.	Dr.Jesica Daruwala	Assessment of neonatal sequential organ failure assessment score at 0 hour, 24 hrs and 72 hrs of suspicion of clinich sepsis to determine the outcome of late onset sepsis in neonates in the NICU of a tertiary care hospital - a longitudinal study.