

Research Projects from Anatomy Department 2019 to 2020

<u>S. N.</u>	<u>Topic</u>	<u>Investigator</u>
1	Lymphocytes DNA damage from panmasala, gutkha, kharrah, chewing tobacco users and chain smokers of central India, by using single – cell gel electrophoresis assay.	<u>Principal investigator</u> Dr. Anant Fulse <u>Co- Investigator</u> Dr. D.D Kshirsagar Dr. V. M. Paikrao
2	DNA damage study of Non – Targeted chemo sensitive peripheral blood leukocytes in breast cancer by single cell gel electrophoresis assay.	<u>Principal investigator</u> Dr. D.D Ksheersagar <u>Co- Investigator</u> Dr. Anant Fulse Dr. V. M. Paikrao
3	Congenital variations of craniovertebral junction on CT	<u>Principal investigator</u> Dr. Deepali Onkar <u>Co- Investigator</u> Dr. Chetana Ratnaparkhi
4	Perceptions of 1 st MBBS students towards ethical aspects related to anatomy	<u>Principal investigator</u> Dr. Deepali Onkar
5	Identification of age, sex and stature of sacrum of vidarbha region	<u>Principal investigator</u> Dr. Sanjay Walulkar <u>Co- Investigator</u> Dr. Madhavi Walulkar, Dr. D.D. Ksheersagar, Mr. V. M. Paikrao
6	Determination of age, sex stature from dematoglyphics study.	<u>Principal investigator</u> Dr. Rajesh Dehankar <u>Co- Investigator</u> Dr. D. D. Ksheersagar

Research Projects from Physiology Department 2019 to 2020

<u>S. N</u>	<u>Topic</u>	<u>Investigator</u>
1	Pathogenic gene expression of epicardial adipose Tissue in patients with CAD	<u>Principal investigator</u> Dr. Anagha Sahasrabudhe <u>Co- Investigator</u> Dr. P. K. Deshpande Dr. S. Pitale Dr. D. Krishnamurthy Dr. Madhur Gupta
2	A Step towards competency based education physiology.	<u>Principal investigator</u> Dr. Shubhada Gade <u>Co- Investigator</u> Dr. Suresh Chari
3	Normative data for short term resting supine heart rate variability in middle aged.	<u>Principal investigator</u> Dr. Bhavana Bhiurd <u>Co- Investigator</u> Dr. Manish Sawane
4	Faculty perception about MCI Revised 3 days Basic course in MET	<u>Principal investigator</u> Dr. Shubhada Gade <u>Co- Investigator</u> Dr. Suresh Chari
5	Seasonal Variation in vit D & PTH in growing adolescents.	<u>Principal investigator</u> Dr. Madhavi Walulkar <u>Co- Investigator</u> Dr. Sanjay Walulkar
6	Left ventricular strain pattern in diabetic non cad patients.	<u>Principal investigator</u> Dr. Niteen Deshpande <u>Co- Investigator</u> Dr. Anagha Sahasrabudhe Dr. Shaelesh Pitale Dr. Himanshee Patil Dr. Neelima Saoji
7	Risk factors and their influence on prevalence rate of diabetic retinopathy in central India population.	<u>Principal investigator</u> Dr. Rakhee Ambade <u>Co- Investigator</u> Dr. Sunanda Chaoji
	<u>STS Project ICMR-2017:</u> Vitamin D levels and its co-relation with severity of breast cancer	<u>Student:</u> Ms. Sanika Krishna Deshmukh <u>Guide:</u> Dr. Anagha Sahasrabudhe
	<u>STS Project NKP STS-2017:</u> Knowledge and awareness of diabetes mellitus in rural population visiting a tertiary care hospital of central India.	<u>Student:</u> Farheen Naaz <u>Guide:</u> Dr. Shubhada Gade
	<u>STS Project NKP STS-2018:</u> First degree relatives of hypertensive's: How much at CAD risk.	<u>Student:</u> Radha prashant Bhandarkar <u>Guide:</u> Dr. Shubhada Gade
	<u>STS Project NKP STS-2018:</u> manifestations Experienced by urban and rural people suffering from diabetes and it's prevalence among them	<u>Student:</u> Shubham Kalra <u>Guide:</u> Dr. Rakhee Ambade

Research Projects from Biochemistry Department 2019 to 2020

<u>S.N.</u>	<u>Topic</u>	<u>Investigator</u>
1	Road safety measure: How aware general population is?	<u>Principal investigator</u> Dr. Madhur Gupta <u>Co- Investigator</u> Dr. Arti A. Kasulkar
2	Developing & implementation of team based learning for first MBBS students in biochemistry	<u>Principal investigator</u> Dr. Smita Narad <u>Co- Investigator</u> Dr. Suresh Chari Dr. Madhur Gupta
3	Levels of leptin in non obese patients after phase I periodontal therapy	<u>Principal investigator</u> Dr. Madhur Gupta <u>Co- Investigator</u> Dr. Abhay Kolte
4	Can urinary tumour necrosis factor – alpha be considered as biomarker for early diabetic	<u>Principal investigator</u> Dr. Suresh Chari <u>Co- Investigator</u> Dr. Madhur Gupta
5	Role of oxidative stress and inflammation in chronic kidney disease patients.	<u>Principal investigator</u> Dr. U. Satya Devi <u>Co- Investigator</u> Dr. Madhur Gupta
6	Effective of team based learning versus problem based learning in teaching biochemistry.	<u>Principal investigator</u> Dr. Smita Narad <u>Co- Investigator</u> Dr. Suresh Chari Dr. Madhur Gupta
7	Correlation between psychological status, quality of life and oxidative stress in postmenopausal women	<u>Principal investigator</u> Dr. Manju Chandankhede <u>Co- Investigator</u> Dr. Madhur Gupta
8	Assessment of competence using an objective structured practical examination in biochemistry	<u>Principal investigator</u> Dr. Manju Chandankhede <u>Co- Investigator</u> Dr. Madhur Gupta
9	Item analysis-utility for increase in MCQ validity in Biochemistry for MBBS Students.	<u>Principal investigator</u> Dr. Sheel Thorat <u>Co- Investigator</u> Dr. Madhur Gupta
10	An approach for development of region specific thyroid hormone reference limits	<u>Principal investigator</u> Dr. Sheel Thorat <u>Co- Investigator</u> Dr. Madhur Gupta

Research Projects from Pathology Department 2019 to 2020

S.N	Topic	Investigator
1	Study of quality indicators in hematology section of central pathology laboratory at a tertiary care centre.	<u>Principal investigator</u> Dr. Shamim Akhtar
2	Study of rejection ratio in hematology section of central pathology laboratory at a tertiary care centre.	<u>Principal investigator</u> Dr. Shamim Akhtar
3	Vigilance of diagnostic tool for analytical methods of phi bodies in leukemia	<u>Principal investigator</u> Dr. Shamim Akhtar <u>Co- Investigator</u> Dr. Sabiha Maimoon
4	Measurement of D-dimer and fibrinogen levels in Type – 2 diabetes mellitus and acute coronary event patients (with or without hypertension).	<u>Principal investigator</u> Dr. Trupti Dongre <u>Co- Investigator</u> Dr. Vidula Gowardhan
5	Correlation of endometrial aspiration cytology with histopathology in gynecological disorders	<u>Principal investigator</u> Dr. Sabiha Maimoom <u>Co- Investigator</u> Dr. Trupti Dongre
6	Introduction of one minute preceptor as a tool for teaching histopathology slides to postgraduate student in pathology.	<u>Principal investigator</u> Dr. S. D. Mahore <u>Co- Investigator</u> Dr. Kalpana Bothale
	<u>STS Project NKP-2017:</u> Clinico - pathological correlation of abnormal uterine bleeding in hysterectomy specimens as per palm - coein classification system. A retrospective study.	Student: Sanika Patrikar Guide: Dr. Sabiha Maimoon
	<u>STS Project ICMR-2018:</u> Assessment of malaria by 5 part cell counter CBC analysis to improve the sensitivity and specificity of diagnosis.	Student: Chetan Manik Bansod Guide: Dr. Shamim Akhtar
	<u>STS Project NKP -2018:</u> To Study anaemic manifestation in chronic renal diseases.	Student: Alisha Sirsikar Guide: Dr. Mrs. Anjali D. Patrikar
	<u>STS Project NKP – 2018 :</u> Prevalence and significance of HPV infection in females of reproductive age group.	Student: Niharika Saraf Guide: Dr. Pragati Karmarkar
	<u>STS Project NKP – 2018 :</u> Pattern and usefulness of smartphones in undergraduate medical students in central - The students perspective.	Student: Anagha Atul Yenukar Guide: Dr. Anne Wilkinson

S.N.	Topic	Investigator
1	A retrospective study of pattern of medico-legal cases in tertiary care hospital of central.	<u>Principal investigator</u> Dr. Arti A. Kasulkar <u>Co- Investigator</u> Ms Ayushi Keoliya
2	Study on awareness and consciousness towards the different medico-legal terms among the doctors of private medical institute	<u>Principal investigator</u> Dr. S. D. Wakde <u>Co- Investigator</u> Dr. H. T. Kanade
3	Perception of medical student towards students – led seminar as a teaching – learning tool in forensic medicine and toxicology.	<u>Principal investigator</u> Dr. Arti Kasulkar <u>Co- Investigator</u> Dr. Madhur Gupta
	<u>STS Project NKP-2018</u> Prediction of stature from percutaneous measurement of hand dimensions	Student: Ayushi Ajay Keoliya Guide: Dr. Arti Kasulkar

S.N	Topic	Investigator
1	Prevalence of Mupirocin resistance in staphylococci isolated from skin and soft tissue infections.	Principal investigator Dr. Kalpana Date Co- Investigator Dr. Tanya Mohindroo
2	Bacterial and fungal profile of infectious keratitis in a tertiary care hospital	Principal investigator Dr. Rashmi Mahalle Co- investigator Dr. Ujjawala Dehankar
3	Biomedical waste management : Residents' knowledge and training	Principal investigator Dr. Neena Nagdeo
4	Evaluation of various methods for detection of metallo- β - lactamase (MBL) production in multidrug resistant gram negative bacilli.	Principal investigator Dr. Umesh Hassani Co- investigator
5	Innovative demonstration method & its perception in MBBS UG students	Principal investigator Dr. Umesh Hassani Co- investigator Dr. Ujjwala Dehankar
6	A clinic – Microbiological study of diabetic foot ulcers in a rural tertiary care Hospital.	Principal investigator Dr. Kalpana Date Co- investigator Dr. Khushbu Sakure Dr. V. R. Thombare
7	Evaluation of MIC of colistin by microbroth dilution of carbapenamase producing gram negative bacilli	Principal investigator Dr. Rashmi Mahale Co- investigator Dr. Umesh Hassani
	STS Project ICMR-2017: Study of efficacy of disinfectants used in a tertiary care hospital in central India	Student: Shrddha Gajhiye Guide: Dr. Rashmi Mahalle
	STS Project NKP-2018: Identification and antibiotic susceptibility pattern of urinary isolates in out-patients at a tertiary care centre in a rural set up.	Student: Yuga Birbal Pawar Guide: Dr. Ujjwala Dehankar

Research Projects from Pharmacology Department 2019 to 2020

S. N.	Topic	Investigator
1	A clinical study of morphological patients of cutaneous adverse drue reactions and its causality assessment in tertiary care hospital of central India	Principal investigator Dr. T. R. Shende Co- Investigator Dr. R. A. Siddiqui Dr. Shreya Shekhar Dr. A. S. Borkar

STS Project NKP-2018 :

Drug use Evaluation of bronchodilators in children suffering from respiratory illness in a tertiary care hospital.

Student:

Mansi Lahari

Guide:

Dr. Amruta Dashputra

Research Projects from Preventive & Social Medicine Department 2019 to 2020

<u>S. N.</u>	<u>Topic</u>	<u>Investigator</u>
1	Superstitions and practices related to menstruation in rural and tribal adolescent girls.	<u>Principal investigator</u> Dr. Shilpa Hajare <u>Co- Investigator</u> Dr. A. R. Deoke
2	Prevalence of primary hypertension in an urban slum area: a cross sectional study.	<u>Principal investigator</u> Dr. Mohan Joshi <u>Co- Investigator</u> Dr. Samina Ausvi
3	Prevalence of scabies in remote tribal school children of central India.	<u>Principal investigator</u> Dr. Lata Tapnikar <u>Co- Investigator</u> Dr. Shilpa Hajare
4	Awareness regarding harassment of women at workplace act among female and faculties in a medical college	<u>Principal investigator</u> Dr. Meenal Kulkarni <u>Co- Investigator</u> Dr. Sadhana Mahore Dr. Arti Kasulkar
5	Time management among medical students.	<u>Principal investigator</u> Dr. Meenal Kulkarni <u>Co- Investigator</u>
6	Prevalence & pattern of nutritional supplements use among medical students	<u>Principal investigator</u> Dr. Ajeet Saoji <u>Co- Investigator</u> Dr. Prachi Saoji Dr. Shilpa Hajare Dr. Jaydeep Nayse
7	Participatory tutorial as teaching technique for medical students.	<u>Principal investigator</u> Dr. Mohan Joshi <u>Co- Investigator</u> Dr. Meenal Kulkarni Dr. Jaydeep Nayse Dr. Pranita Dharmadhikari
	<u>STS Project ICMR-2014:</u> Association between hyper tension and stress a case control study	<u>Student:</u> Priyal Yenuurkar <u>Guide:</u> Dr. Ajeet Saoji
	<u>STS Project NKP-2016:</u> Exclusive breastfeeding and its socio – demographic Determinants in a tertiary care hospital of central india.	<u>Student:</u> Shivani S. Akulwar <u>Guide:</u> Dr. Ajit Saoji
	<u>STS Project ICMR-2017</u> Knowledge & Practices towards antibiotic use & resistance among people residing in an urban slum of Nagpur.	<u>Student:</u> Pratha S. Sharma <u>Guide:</u> Dr. Ajeet Saoji
	<u>STS Project ICMR-2017</u> Prevalence of dispersion in medical undergraduate students from central India	<u>Student:</u> Mr. Prasannajit Jitendra Majumdar <u>Guide:</u> Dr. Mohan Joshi

	<p><u>STS Project ICMR-2018</u> Knowledge and beliefs about menstrual health and hygiene amongst school going girls.</p>	<p>Student: Rucha Ridhorkar Guide: Dr. Jaydeep Nayse</p>
	<p><u>STS Project ICMR-2018</u> Supplementary nutrition: pattern and influencing factors among gym - goers.</p>	<p>Student: Mena A. Mankeshwar Guide: Dr. Ajeet Saoji</p>
	<p><u>STS Project NKP-2018</u> Knowledge and practices of mothers of under five children regarding Zinc supplementation in childhood diarrhea.</p>	<p>Student: Vedant Jaydeep Nayse Guide: Dr. Meenal Kulkarni</p>
	<p><u>STS Project NKP-2018</u> Sleep pattern in medical post graduate students and its association with stress.</p>	<p>Student: Vipasha Agrawal Guide: Dr. Shilpa Hajare</p>

S.N.	<u>Topic</u>	<u>Investigator</u>
1	Study of prospective predictors of ossicular defect in tubotympanic type of chronic suppurative otitis media	<u>Principal investigator</u> Dr. Vivek Harkare <u>Co- Investigator</u> Dr. Sonali Khadakkar
2	Comparison of cartilage versus temporalis fascia graft in type I tympanoplasty in school going children	<u>Principal investigator</u> Dr. Priti Dhoke <u>Co- Investigator</u> Dr. Kanchan Dhote
3	Endoscopic versus microscopic type I tympanoplasty in tubotympanic type of chronic suppurative otitis media: A randomized controlled trial.	<u>Principal investigator</u> Dr. Sonali Khadakkar <u>Co- Investigator</u> Dr. Nitin Deosthale
	<u>STS Project NKP-2017:</u> Correlation between cigarette smoking and hearing impairment: a hospital based study.	<u>Student:</u> Jasmine Pal Singh <u>Guide:</u> Dr. Nitin Deosthale

Research Projects from Ophthalmology Department 2019 to 2020

<u>S.N.</u>	<u>Topic</u>	<u>Investigator</u>
1	Exposure time of MMC in combined surgery: A comparative study	<u>Principal investigator</u> Dr. Rekha Khandelwal <u>Co- Investigator</u> Dr .S. Sule Dr. M. Mujumdar
2	Clinical profile of patients with MAC disorders (Microphthalmia, Anophthalmia, Coloboma) and determining impact of environmental risk factors at molecular level.	<u>Principal investigator</u> Dr. Rekha Khandelwal <u>Co- Investigator</u> Dr. Mohana Mujumdar <u>Dr Hemant Purohit</u> <u>NEERI</u>
3	International globe and adnexal trauma epidemiology study (IGATES)	<u>Principal investigator</u> Dr. Rekha Khandelwal <u>Co- Investigator</u> Dr. Deepa Kumar
4	Neutrophil / lymphocyte ratio in psuedoexfoliation syndrome : a hospital based prospective study.	<u>Principal investigator</u> Dr. Rштуja Deo <u>Co- Investigator</u> Dr. Rekha Khandelwal
5	Visual outcome and prognostic factors in paediatric ocular trauma patients attending a tertiary referral eye hospital.	<u>Principal investigator</u> Dr. Mohana Mujumdar
	<u>STS Project ICMR-2014:</u> Determinants of diabetic retinopathy awareness and knowledge in diabetic patients	<u>Student:</u> Abhishek Sushil Mankar <u>Guide:</u> Dr. Rekha Khandelwal
	<u>STS Project ICMR-2016:</u> Association of systemic hypertension and primary open angle glaucoma	<u>Student:</u> Mr. Rachit Khandelwal <u>Guide:</u> Dr. Deepa Ajit Kumar

Research Projects from Psychiatry Department 2019 to 2020

<u>S.N.</u>	<u>Topic</u>	<u>Investigator</u>
	Study of psycho-pathology in patients attending psychosexual	<u>Principal investigator</u>

1	disorder clinic.(retrospective data analysis)	Dr. Rahul Tadke <u>Co- Investigator</u> Dr. Sushil Gawande Dr. Sudhir Bhawe Dr. Vivek Kirpekar Dr. Abijeet Faye
2	Study of sleep disturbances in patients with somatoform disorder.	<u>Principal investigator</u> Dr. Rahul Tadke <u>Co- Investigator</u> Dr. Kanchan Patil, Dr. Sushil Gawande Dr. Abhijeet Faye Dr. V. Kirpekar, Dr. Sudhir Bhawe
3	The study of phenomenology of whatsapp use and its impact on marital life doctor	<u>Principal investigator</u> Dr. Abhijeet Faye <u>Co- Investigator</u> Dr. Sushil Gawande Dr. Rahul Tadke Dr. Vivek Kirpekar Dr. Sudhir Bhawe
4	Comparison of cognitive function, alexithymia & its correlation with structural neuroimaging in patients with schizophrenia and those with comorbid alcohol use.	<u>Principal investigator</u> Dr. Abhijeet Faye <u>Co- investigator</u> Dr. Sushil Gawande Dr. Rahul Tadke Dr. Vivek Kirpekar Dr. Sudhir Bhawe Dr. Deepika Singh
	<u>STS Project NKP-2016:</u> Study of neuroticism and its relation to early employment mother in medical undergraduate	<u>Student:</u> Shubham Ratnawat <u>Guide:</u> Dr. Abhijeet Faye
	<u>STS Project ICMR -2018:</u> Study of prevalence pattern of symptoms, assessment of risk factors in post partum depression & it's relation with stressful life events.	<u>Student:</u> Vinit Rahaney <u>Guide:</u> Dr. Abhijeet Faye

Research Projects from Respiratory Medicine Department 2019 to 2020

<u>S. N.</u>	<u>Topic</u>	<u>Investigator</u>
1	To compare accuracy of plural puncture site by clinical and radiological methods with chest USG	<u>Principal investigator</u> Dr. Anil Kishanrao Sontakke <u>Co- Investigator</u> Dr Shah Atul Kumar Dr. B. O. Tayade
2	Periodic active case finding for TB in health care workers: intervention for early TB case detection and treatment in HCW at NKPSIMS.	<u>Principal investigator</u> Dr. B. O. Tayade <u>Co- Investigator</u> Dr. Anil Kishanrao Sontakke Dr Khan
3	Clinical profile of MDR – TB cases at tertiary care hospital – a retrospective study.	<u>Principal investigator</u> Dr. S. M. Khan <u>Co- Investigator</u> Dr. B. O. Tayade
4	Asthma control test (ACT) score: Effectiveness, validation, reliability, and response in OPD patients of our place	<u>Principal investigator</u> Dr. Sumer Choudhary <u>Co- Investigator</u> Dr. B. O. Tayade
	<u>STS Project NKP 2018:</u> Screening of hypertensive patients for obstructive sleep Apnea in tertiary health care centre.	<u>Student:</u> Dikshant Rupesh Kawale <u>Guide:</u> Dr. Anil Sontakke

Research Projects from Skin & Veneral Disease Department 2019 to 2020

<u>S.N.</u>	<u>Topic</u>	<u>Investigator</u>
1	To study epidemiological factors responsible for dermatophyte infections in urban slums	<u>Principal investigator</u> Dr. Sushil Pande <u>Co- Investigator</u> Dr. Kirti Meshram
2	Knowledge, attitude and practice of adverse drug reaction (ADR) and ADR reporting amongst practicing dermatologists in India – A questionnaire Based survey.	<u>Principal investigator</u> Dr. Sushil Pande <u>Co- Investigator</u> Dr. Mansi Shirdlikar

Research Projects from Orthopedic Department 2019 to 2020

<u>S. N.</u>	<u>Topic</u>	<u>Investigator</u>
1	Functional outcome following arthroscopic lavage with and without intra-articular injection of high molecular weight hyaluronic acid in patients of early osteoarthritis of the knee	<u>Principal investigator</u> Dr. Devashis Barick <u>Co- Investigator</u> Dr. Mankar
2	Is platelet rich plasma is an alternative for steroid in the treatment of chronic plantar fasciitis.	<u>Principal investigator</u> Dr. Samir Dwidmuthe <u>Co- Investigator</u> Dr. Vikram Sapre
3	“Assessment of use of vacuum assisted closure (V.A.C.) Therapy in Orthopedics infection.”	<u>Principal investigator</u> Dr. S. Mankar <u>Co- Investigator</u> Rahul H. Sakhare
4	“Efficacy of platelet – rich plasma and steroid for chronic tennis elbow –a comparative study.”	<u>Principal investigator</u> Dr. Samir Diwdmuthe <u>Co- Investigator</u> Dr. Devashis Barick
5	Current scenario of cervical spine surgeries in tertiary care hospital	<u>Principal investigator</u> Dr. Akash M. Gourkhede <u>Co- Investigator</u> Dr. Mohammed Faizan Dr. Tarun Duggal
6	Study of patterns of lumbar spine surgery being performed in tertiary hospital setup	<u>Principal investigator</u> Dr. Mohammad Faizan <u>Co- Investigator</u> Dr. Tarun Duggal Dr. Akash Gourkhede
7	Result of open reduction and fixation of tibial avulsion of posterior cruciate ligament	<u>Principal investigator</u> Dr. Samir Dwidmuthe <u>Co- Investigator</u>
8	Assessment of surgical skill of orthopedics postgraduate residents by OSATS	<u>Principal investigator</u> Dr. Samir Dwidmuthe <u>Co- Investigator</u> Dr. Sonali Chaudhari
9	To determine the prevalence and factors associated with osteopenia and osteoporosis in people of central India undergoing bone mineral density test.	<u>Principal investigator</u> Dr. Sushil Mankar <u>Co- Investigator</u> Dr. Rahul Sakhare Dr. Rishu Raviraj Dr. Kishor Kumar Dahu
10	Prospective study of minimally invasive plate osteosynthesis in distal fractures	<u>Principal investigator</u> Dr. Prashant Badwaik <u>Co- Investigator</u> Dr. Samir Dwidmuthe
	<u>STS Project NKP-2015:</u> To study association of knee pain and back pain in patients attending orthopedics OPD.	<u>Student:</u> Khushboo R. Verma <u>Guide:</u> Dr. Mohammed Faizan
	<u>STS Project NKP-2017:</u> To Study association of tennis elbow and cervical spondylosis in patients attending orthopedic OPD in NKP SIMS	<u>Student:</u> Mohammed Mushtaq Bhat <u>Guide:</u> Dr. Mohammed Faizan

<u>S.N</u>	<u>Topic</u>	<u>Investigator</u>
1	Surgical audit of SSI in major operation in department of Surgery.	<u>Principal investigator</u> Dr. M. A. Akhtar <u>Co- Investigator</u> Dr. Rajiv Sonarkar
2	Incidence and risk factors for post operative urinary retention	<u>Principal investigator</u> Dr. Yunus Shah <u>Co- Investigator</u> Dr. N. B. Wasnik
3	Anthropometry, Diet and lipid profile in women with breast cancer.	<u>Principal investigator</u> Dr. Murtaza Akhtar <u>Co- Investigator</u> Dr. Mrs. Pooja Akhtar, Dr. Mrs. Gayatri Deshpande Dr. Anil Kad
4	Role of orniloxifene in management of fibroadenoma breast	<u>Principal investigator</u> Dr. Divish Saxena <u>Co- Investigator</u> Dr. Murtaza Akhtar
5	Study of serum vitamin D3 levels in breast lump and its correlation with malignant breast disease	<u>Principal investigator</u> Dr. Satish Deshmukh <u>Co- Investigator</u> Dr. S. M. Fulare, Dr. S. Chowkey Dr. Nihar Chandak, Dr. Dnaval Thakkar
6	Role of platelet rich plasma in patients of chronic non healing leg ulcers	<u>Principal investigator</u> Dr. Satish Deshmukh <u>Co- Investigator</u> Dr. S. M. Fulare, Dr. S. Chowkey Dr. Nihar Chandak, Dr. Dnaval Thakkar
7	Study of synthetic absorbable versus non-absorbable sutures for fixation of mesh in ventral and Inguinal hernia by open method.	<u>Principal investigator</u> Dr. Rajiv Sonarkar <u>Co- Investigator</u> Dr. Satish Deshmukh, Dr. B.S.Gedam Dr. M. A. Akhtar, Dr. A. Ghuge
8	A study of impact of gender on operative finding and post-operative outcome in patients undergoing laparoscopic cholecystectomy .	<u>Principal investigator</u> Dr. Mohd. Yunus Shah <u>Co- Investigator</u> Dr. Murtaza Akhtar
9	Evaluation of near peer teaching of clinical examination skill to undergraduate medical students in surgery	<u>Principal investigator</u> Dr. Mahendra Chanuhan <u>Co- Investigator</u> Dr. Archana Dhok
10	Abdomino- labile hydrocele of canal of luck: a rare entity	<u>Principal investigator</u> Dr. BS Gedam
11	Assessment of general surgery resident's communication skills using communication medical skills using communication assessment	<u>Principal investigator</u> Dr. Sushrut Fulare
	<u>STS Project STS-2016:</u> Soft Tissue Infection: Predictive Factors to identify Necrotizing Fasciitis and its Outcome	<u>Student:</u> Ahmed Irfan Khan <u>Guide:</u> Dr. Murtaza Akhtar
	<u>STS Project STS-2017:</u> Predictors of local recurrence in nonmuscle invasive bladder cancer (NMIBC)	<u>Student:</u> Sagarika Bhole <u>Guide:</u> Dr. Murtaza Akhtar

<u>S. N.</u>	<u>Topic</u>	<u>Investigator</u>
1	Assessment of patient perception about perioperative role anesthesiologist.	<u>Principal investigator</u> Dr. Charuta Gadkari <u>Co- Investigator</u> Dr. Savita M Chauhan Dr .Surbhi Lande
2	Evaluation of anaemia in patients posted for elective surgical intervention in a tertiary care hospital in rural area.”	<u>Principal investigator</u> Dr. Shubhada Deshmukh <u>Co- Investigator</u> Dr. Savita Chauhan Dr. Heena Pahuja Dr. Neha Fuladi
3	Comparative study of 0.25% Bupivacaine versus 0.5% ropivacaine in transersus abdominis plane block for postoperative analgesia after caeserian section.”	<u>Principal investigator</u> Dr. Anjali Bhure <u>Co- Investigator</u> Dr. Neha Fuladi Dr. S. Bhargav Dr. A. Watre Dr. K. Marodkar
4	Comparison of intravenous Dexmedetomidine with intravenous fentanyl for intraoperative haemodynamic stability in patients undergoing lumbar laminectomy – a randomize, double blind, controlled study	<u>Principal investigator</u> Dr. Anjali Bhure <u>Co- Investigator</u> Dr. Ketaki Marodkar, Dr. A. Watre, Dr. K. Marodkar Dr. Neha Gadkari
5	A Comparative study of epidural fentanyl vs dexmedetomidine for postoperative analgesia in major spine surgeries	<u>Principal investigator</u> Dr. Sumita Bhargava Pramanik <u>Co- Investigator</u> Dr. Anjali Bhure
6	Comparison of 5mg (1ml) and 4mg (0. 8ml)n0.5% hyperbaric bupvacaine with 25 mcg fentanyl in combined spinal epidural technique for caesarean section.	<u>Principal investigator</u> Dr. Shubhada Deshmukh <u>Co- Investigator</u> Dr. Ankur Dixit
7	Randomized controlled study on role of structured preoperative anesthesia counseling by post graduate students in anesthesiology	<u>Principal investigator</u> Dr. Charuta Gadkari <u>Co- Investigator</u> Dr. Shubhada Deshmukh Dr. Ajay Watve

Research Projects from Radiology Department 2019 to 2020

<u>S. N</u>	<u>Topic</u>	<u>Investigator</u>
1	Uterine Adenomyosis: Endovaginal Ultra Sonography and Magnetic Resonance Imaging features with histo-pathological correlation	<p><u>Principal investigator</u> Dr. Avinash Dhok</p> <p><u>Co- Investigator</u> Dr. A. Borkar: left Dr.S. Ghike Dr. A. Prasad Dr.S. Vadhya</p>
2	Prediction of perinatal outcome in fetuses suspected to have intrauterine growth restriction by Doppler Ultra Sonography study of fetal cerebral, renal and umbilical arteries	<p><u>Principal investigator</u> Dr. K. Mitra</p> <p><u>Co- Investigator</u> Dr. A. Dhok Dr. A. Bhalerao Dr. C. Ratnaparkhi Dr. N. Vaisakhiya Dr. S. Gohil</p>
3	Detection of fetal congenital anomalies by ultrasound scans at the 10-14 weeks gestation.	<p><u>Principal investigator</u> Dr. Avinash Dhok</p> <p><u>Co- Investigator</u> Dr. Kajal Mitra</p>
4	Evaluation of placental pathologies and abnormal placentation by magnetic resonance imaging (MRI) and ultrasound.	<p><u>Principal investigator</u> Dr. Chetana R. Ratnaparkhi</p> <p><u>Co- Investigator</u> Dr. Nakul Gawande Dr. Shital Kurve</p>
5	The role of color Doppler sonography in the detection of dysfunction placental performace and risk of fetal	<p><u>Principal investigator</u> Dr. Avinash Dhok</p> <p><u>Co- Investigator</u> Dr. Kajal Mitra Dr. Nikita Agrawal Dr. Shital Hurve Dr. Sarika Kohar</p>

Research Projects from Medicine Department 2019 to 2020

<u>S. N.</u>	<u>Topic</u>	<u>Investigator</u>
1	Portal hypertensive colopathy in patients of cirrhosis of liver.	<u>Principal investigator</u> Dr. Tanuja Manohar <u>Co- Investigator</u> Dr. Samir Patil
2	Correlation of platelet indices with dyslipidemia and microvascular complications in type 2 diabetes.	<u>Principal investigator</u> Dr. Ravindra M. Kshirsagar <u>Co- Investigator</u> Dr. Shilpa A. Deoke Dr. Shamim Akhtar
3	Study of clinical profile of alcoholic patients admitted in medical wards or medical ICU in a tertiary care hospital.	<u>Principal investigator</u> Dr. Sunanda Chaoji <u>Co- Investigator</u> Dr. Nalini Humaney
4	Impact of structured bedside clinic module on students learning	<u>Principal investigator</u> Dr. Tanuja Manohar <u>Co- Investigator</u> Dr. N. R. Humaney
5	Awareness of post exposure prophylaxis (pep) of HIV / HBV / HCV among health care workers and students in tertiary care hospital in central India.	<u>Principal investigator</u> Dr. Ravindra Kshirsagar <u>Co- Investigator</u> Dr. Vivek Pande
6	Study of satisfaction of IPD (Admitted) patients in tertiary care teaching hospital located in central India	<u>Principal investigator</u> Dr. Vivek Pande <u>Co- Investigator</u> Dr. Jaydeep nayse Dr. Jaya Awal
7	Hypovitaminosis D in patients of acute of acute coronary syndrome	<u>Principal investigator</u> Shilpa Kuthe <u>Co- Investigator</u> Dr. Nalini Humaney
8	Study of ICU outcome & long quality of life in ICU survivors in central India.	<u>Principal investigator</u> Dr. Tanuja Manohar <u>Co- Investigator</u> Dr. Sural Bhole
9	Study of standard of satisfaction of indoor patients in year 2019 in a tertiary care, teaching hospital in central india.	<u>Principal investigator</u> Dr. Vivek V. Pande <u>Co- Investigator</u> Dr. Umakant Anekar
10	Clinical profile of patients undergoing hemodialysis in tertiary care hospital in central India.	<u>Principal investigator</u> Dr. Nalini Humaney <u>Co- Investigator</u> Dr. Vivek Pande

	<p><u>STS Project NKP-2016:</u> Comparison of platelets Indices in Hypertensive and Non - hypertensive Individuals</p>	<p>Student: Abhishek Bathla</p> <p>Guide: Dr. Ravindra Kshirsagar</p>
	<p><u>STS Project NKP-2017:</u> Comparative study of cardio metabolic risk factors in post menopausal women and premenopausal women.</p>	<p>Student: Shraddha Zanwar</p> <p>Guide: Dr. N. R. Saoji</p>
	<p><u>STS Project ICMR-2018:</u> Evaluation of awareness about insulin injection technique and prevalence of lipohypertropy amongst insulin taking diabetics in central India.</p>	<p>Student: Shlok Sunil Gupta</p> <p>Guide: Dr. Sunanda Chaoji</p>
	<p><u>STS Project NKP-2018:</u> Study to check knowledge, attitude and practices of Hookah smoking amongst health science students.</p>	<p>Student: Aditi Sunil Modak</p> <p>Guide: Dr. Shilpa Deoke</p>
	<p><u>STS Project NKP-2018:</u> The prevalence of functional dyspepsia using rome III questionnaire among chronic kidney disease patients.</p>	<p>Student: Himanshu Baxy</p> <p>Guide: Dr. Tanuja Manohar</p>
	<p><u>STS Project NKP-2018:</u> Spectrum of bacterial infections in patients with chronic obstructive pulmonary disease (COPD) in rural region of central India</p>	<p>Student: Akhilesh Gokhale</p> <p>Guide: Dr. P. K. Deshpande</p>
	<p><u>STS Project NKP-2018:</u> Frequency of gestational hypothyroidism in central rural India</p>	<p>S student: Vasundhara Gawande</p> <p>Guide: Dr. Anil Modak</p>

Research Projects from Obstetrics & Gynecology Department 2019 to 2020

S.N	Topic	Investigator
1	Clinical presentation and risk factors of uterine prolapse in India.	<u>Principal investigator</u> Dr. Anjali S. Kawthalkar <u>Co- Investigator</u> Nil
2	Analysis of prophylactic salpingo oophorectomy at the time of hysterectomy for benign disease.	<u>Principal investigator</u> Dr. Sheela Jain <u>Co- Investigator</u> Dr. Savita Somalwar
3	Evaluating culture, PCR & histopathology in the diagnosis of genital TB in female infertility.	<u>Principal investigator</u> Dr. Anuja Bhalerao <u>Co- Investigator</u>
4	Pattern of female genital tract malignancy at a Medical college situated in rural area of central India.	<u>Principal investigator</u> Dr. Sulabha Joshi <u>Co- Investigator</u>
5	Maternal factors affecting perinatal morbidity & mortality.	<u>Principal investigator</u> Dr. Anjali Kawthalkar <u>Co- Investigator</u> Dr. Sheela Jain Dr. S. Joshi Dr. Anjali Bhalerao
6	Clinico – pathological analysis of ovarian malignancies.	<u>Principal investigator</u> Dr. Savita Somalwar <u>Co- Investigator</u> Dr. Sheela Jain Dr. Anjali Kawthalkar Dr. S. Joshi Dr. Anjali Bhalerao
7	Outcome of gynaecological major surgery in obese women in a teaching hospital of Nagpur.	<u>Principal investigator</u> Dr. Varsha Kose <u>Co- Investigator</u> Dr. Sulbha Joshi
8	Pregnancy outcome in women with sickle cell disease / trait.	<u>Principal investigator</u> Dr. Varsha Kose <u>Co- Investigator</u> Dr. Sourabha Kose
9	Comparative study of intravenous paracetamol infusion versus intramuscular tramadol as as intrapartum labour analgesia.	<u>Principal investigator</u> Dr. Kanchan Dwidmuthe <u>Co- Investigator</u>
10	Acceptance and compliance of LNG – IUS in women with AUB at tertiary care hospital from central India.	<u>Principal investigator</u> Dr. Nikita Vijay <u>Co- Investigator</u> Dr. Savita Somalwar Dr. Anjali Kawthalkar
11	Condom uterine balloon tamponade for management of postpartum haemorrhage.	<u>Principal investigator</u> Dr. Anuja V. Bhalerao <u>Co- Investigator</u> Dr. Sulabha Joshi
12	Comparative study to evaluate pelvic organ prolapsed quantification system (OOP – Q) and simplified pelvic organ prolapsed scoring system (S- POP) by assessing	<u>Principal investigator</u> Dr. Anuja Bhalerao <u>Co- Investigator</u> Dr. Archana Dhok
	<u>STS Project ICMR-2013:</u> Knowledge, attitude and practices of emergency contraceptive pills (ECP) among women visiting a tertiary care rural hospital.	Student: Miss. Neha N. Kotwal Guide: Dr. Anuja Bhalerao

	<u>STS Project ICMR-2014</u> Knowledge, Attitude and Practices of Breast Feeding in Primigravida Women.	Student: Ashwini Ravi waikar Guide: Dr. Anuja Bhalerao
	<u>STS Project NKP-2016</u> Study of frequency of Near miss events and mortality among obstetrics women	Students: Vijaya Singh Guide: Dr. Savita Somalwar
	<u>STS Project NKP-2016:</u> After 25 years of world breast feeding awareness campaigns where do we stand? a study of breastfeeding knowledge attitude and practices in mother of vidarbha region of central India.	Students: Mohini M. Jadhav Guide: Dr. Prachi Dixit
	<u>STS Project NKP-2017:</u> To study knowledge, attitude, awareness of nuchal translucency by ultrasound at 10 - 14 weeks of pregnancy.	Students: Faiza Abdul Mannan Khan Guide: Dr. Anuja Bhalerao
	<u>STS Project NKP-2018:</u> Breaking Bad news (BBN) in Obstetrics by use of simulation as an educational tool.	Students: Dipsha V. Menghani Guide : Dr. Anjali S. Kawthalkar

esearch Projects from Pediatric Department 2019 to 2020

<u>S.</u> <u>N.</u>	<u>Topic</u>	<u>Investigator</u>
1	Applicability of RNTCP Pediatric algorithm in clinical practice.	<u>Principal investigator</u> Dr. Nilofer Mujawar <u>Co- Investigator</u>

		Dr. M. Girish Dr. A. Goel
2	Is 16S RNA the confirmation for diagnosis of neonatal sepsis.	<u>Principal investigator</u> Dr. Kiran Gaikwad <u>Co- Investigator</u> Dr. Nilofer Mujawar
3	Types of seizures disorder and its correlation with EEG and Neuroimaging in children age between 1 – 18 years at tertiary care hospital	<u>Principal investigator</u> Dr. Himanshu Dua <u>Co- Investigator</u> Dr. Anjali Edbor
4	Mind maps in medical education	<u>Principal investigator</u> Dr. Nilofer Mujawar
5	“ Mini C- Ex to improve counseling skills, communication skill & professionalism of first year post graduate residents in pediatrics”	<u>Principal investigator</u> Dr. Nilofer Mujawar <u>Co- Investigator</u>
6	Paediatricians knowledge, attitude and experiences regarding child abuse and neglect in India.	<u>Principal investigator</u> Dr. Nilofer Mujawar <u>Co- Investigator</u> Dr. Naina Chakravarty
7	Assessment of students perception regarding earning outcomes of MBBS Course	<u>Principal investigator</u> Meenakshi Girish <u>Co- Investigator</u> Dr. Himanshu Dua
8	Feasibility and relevance of composite functional scoring system (CFSS – CP) for disability assessment in children with cerebral palsy in India.	<u>Principal investigator</u> Dr. Meenakshi Girish
9	Psychological interventions for school refusal in children between 6 to 18 years of age.	<u>Principal investigator</u> Dr. Pankaj Singh <u>Co- Investigator</u> Dr. Pradeep Pazare Dr. Nilofer Mujawar
10	Level of anxiety in adolescents undergone cyber – bullying : a cross sectional study.	<u>Principal investigator</u> Dr. Pankaj Singh <u>Co- Investigator</u> Dr. Anjali Edbor
11	Psychological difficulties in bedwetting children	<u>Principal investigator</u> Dr. Nilofer Mujawar <u>Co- Investigator</u> Dr. Pankaj Singh
	<u>STS Project ICMR-2015:</u> A Randomised control trial to study the effect of medium chain triglyceride (MCT) on preterm neonates admitted in NICV.	<u>Student:</u> Harshit Kukreja <u>Guide:</u> Dr. Ashish M Vaidya
	<u>STS Project ICMR-2016:</u> Effect of Soothing music and mental task performance cementation and retention amongst high school students	<u>Student:</u> Mr. Yashendu Khullar <u>Guide:</u> Dr. Himanshu Dua
	<u>STS Project NKP-2016:</u> Viewing the event videos in children - Do they help in diagnosing fits, faints and funny turns	<u>Student:</u> Aviral Meshram <u>Guide:</u> Dr. Meenakshi Girish
	<u>STS Project NKP-2016:</u> To study the impact of early skin to skin contact on onset of lactation on third day of life in low weight babies	<u>Student:</u> Jasmine P Singh <u>Guide:</u>

		Dr. Rohine Dhokne
	<p><u>STS Project ICMR-2017:</u> A cross sectional study to assess prevalence of ADHD and its associated risk factors in primary aged school children of Nagpur</p>	<p>Student: Ms. Tanvi Dewanand</p> <p>Guide: Dr. Nilofer Mujawar</p>
	<p><u>STS Project ICMR-2018:</u> Post traumatic stress Disorder - The unsaid ailment in practicing Doctors</p>	<p>Student: Aishwarya Narendra Kawalkar</p> <p>Guide: Dr. Himanshu Dua</p>
	<p><u>STS Project ICMR-2018:</u> Case seeking behavior of parents for sick children</p>	<p>Student: Pooja K. Bhomle</p> <p>Guide: Dr. Pradeep pazare</p>