

**Bharati Vidyapeeth (DTU) Medical College, Pune**

**Research projects (2019-20)**

<b>Sr. No.</b>	<b>Name of department</b>	<b>Title of project</b>	<b>Name of Principal investigator</b>	<b>Name/s of co-investigators</b>
1	Anatomy	Exploring the Anatomical Dimensions of hand and its Correlation with height.	Dr. Aparna Milind Joshi	
2	Anatomy	Establishing Correlation between Foot-length and Height-Regression Analysis study in Pune.	Dr. Aparna Milind Joshi	
3	Anatomy	Anatomic Evaluation of Lumbar Canal in Indian Population	Dr. Balu Gangaram Londhe	
4	Anatomy	Morphometric Study of Adult Human Lumbar Vertebrae.	Dr. Balu Gangaram Londhe	
5	Anatomy	Morphometric Evaluation of Lumbar Pedicles and posterior Elements	Dr. Balu Gangaram Londhe	
6	Anesthesiology	An observational study of Post-Operative outcomes in patients undergoing emergency/elective surgery during the COVID-19 pandemic in high prevalence area.	Dr Rupinder Shergill	
7	Biochemistry	Analysis of biochemical profile of COVID-19 patients admitted in a tertiary care teaching hospital	Dr. Minal Pore	Dr. Meghana Padwal, Dr. Annapurna Raichurkar
8	Biochemistry	Effect of Accreditation on Awareness and Knowledge of Technicians about Laboratory Quality Measures in Tertiary Care Hospital	Pradnya Hemant Padalkar, Rajni Rajendra Shivkar	Pradnya Hemant Padalkar, Rajni Rajendra Shivkar, Meghana Khandu Padwal
9	Biochemistry	Role play as a learning tool for communication skills and Empathy	Dr Neela Vaidya	
10	Biochemistry	Role play as a learning tool for communication skills and Empathy	Dr Neela Vaidya	

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11	Biochemistry	Analysis of biochemical profile of COVID-19 patients admitted in a tertiary care teaching hospital	Dr. Minal Pore	
12	Biochemistry Microbiology	YouTube as a source of information on hand washing.	Ms.Reeya Gulave	
13	Community Medicine	Depression, Anxiety and Stress: Does the Residential Status have an effect on the Mental Health of Medical Students.	Miss Nimisha Ramesh	
14	Community Medicine	Appraise the role of nurses as frontline caregivers in prevention of hospital acquired infections by assessing their knowledge, attitude and practice	Miss Tamna Bahl	
15	Community Medicine	Demographic trends and Morbidity profile of Urban Slum Population in Pune City-A Pilot Study.	Dr J.S. Gothankar	
16	Community Medicine	Prevalence of social anxiety disorder and addictions in medical students.	Miss Kiran Kaur	
17	Community Medicine	Hindrances in the background of knowledge and perception in accepting the Mahatma Jyotiba Phule Jan Arogya Yojana among care providers and beneficiaries in a tertiary care hospital in Pune.	Miss Tashneet Kaur	
18	Community Medicine	NVBDCP guidelines adherence assessment for treatment of malaria by general practioners in Pune city: A cross sectional study.	Miss Rutuja Patil	
19	Community Medicine	Profile of vitamin A supplementation in under five children of an urban slum in western India.	Mr Tanush Chaudhary	
20	Community Medicine	Estimation of Proportion of Newborns Given birth Dose of Hepatitis –B within 24 Hours of Birth in a Teaching Hospital in Pune.	Saksham Nagpal	
21	Community Medicine	The Flipped Classroom in Medical Education for Competency Based Medical Curriculum.	Dr. Varsha Mahesh Vaidya	
22	Community Medicine	Awareness about Mahatma Jyotiba Phule Jain Arogya Yojna Among Patients Attending OPD in Tertiary Care Center	Arush Chaudhary	
23	Community Medicine	Assessment of Gender Wise Awareness and Attitude Regarding Menstruation and Menstrual Hygiene Management.	Abhipsa Sinha	
24	Community Medicine	Assessment of Health Status of Female Laborers in Pune .	Puneet Anand	

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25	Community Medicine	Assessment of insomnia and psychological health status of Indian citizens during Covid-19 pandemic lockdown period.	Ms.Arya.Bisen	
26	Community Medicine	Comparison of prevalence of waterborne diseases in Dhankawadi with Municipal Corporation water	Mr Ayush Kumar	
27	Critical care Medicine	Stress Levels and its Determinants among staff Working in Critical Care Unit.	Dr. Vishwanath C. Patil	
28	Critical care Medicine	Hemodynamic Resuscitation and Monitoring in Early Sepsis (HERMES Study).	Dr. Vishwanath C. Patil	
29	Dermatology	A study of cutaneous manifestations of COVID-19 in Indian patients	Dr. Suyog Dhamale	
30	ENT	Effect of Smoking on the Nasal Mucociliary Clearance.	Dr. Chethana R.	
31	ENT	Measurement of Nasal Mucociliary Clearance Time.	Dr. Chethana R.	
32	ENT	Study of Electronic Acoustic Noise as a Source of Acoustic Trauma Amongst Call Center Employees in India.	Dr. Jency Johnson	
33	ENT	Epithelial Migration in Humans with Normal Tympanic Membrane.	Dr. Viraj Gaikwad	
34	ENT	Study of Anosmia as a clinical feature in COVID-19	Dr Prasun Mishra	
35	ICU	<b>Protocol Title:</b> An open label, multicenter, randomized, controlled clinical trial to evaluate the efficacy and safety of Tablets of purified aqueous extract of <i>Cocculus hirsutus</i> in treatment of moderate COVID -19 disease (AQCH) Protocol Version: 2.0, Dated 08/MAY/2020 (152)	Dr. Shivakumar Iyer	
36	Medicine	Knowledge, Attitudes and Practices towards COVID-19, amongst people visiting a tertiary care hospital, Pune	Dr. Purwa Doke	
37	Medicine	A study of the clinico-epidemiological profile of COVID-19 patients admitted in a tertiary care hospital in India	Dr. Charvi Patel (Intern) Dr. Sonali Palkar Dr. Purwa Doke	
38	Medicine	A study to identify the clinical outcomes of COVID-19	Dr. Purwa Doke	

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39	Medicine	Microbiological Pattern, Antibiotic Susceptibility and Associated risk factors in Patients with Diabetic foot Infections.	Idris Dawaiwala Snehal R.Awaghade Pranjali Kolhatkar	
40	Microbiology	Implementation Antimicrobial Stewardship Program in a Tertiary Care Teaching Hospital of a Medical College in Western India.	Dr.(Col) Mahadevan Kumar	
41	Microbiology	Performance Evaluation of COVID-19 Range of products manufactured by J. Mitra & Co. Pvt. Ltd	Dr Meera Modak	
42	Microbiology	Local Production of WHO recommended hand rub formulation and comparison of its efficacy with a commercially available alcohol based hand rub.	Ms.SHAGUN	
43	Microbiology	Coagulase Negative Staphylococcus Spp Isolated from Blood Culture: A Pathogen or Contaminant?	Miss Pranjali Bhosale	
44	Microbiology	Comparative Study of Gene pert with ZN stain and Culture for diagnosis of cases of Suspected Pulmonary Tuberculosis	Miss.Vaibhavi Vaishnav	
45	Neurology/ Medicine	Indian Multiple Sclerosis and Allied Demyelinating Disorders Registry and Research Network.	Dr. (Brig) Sankar Parsad Gorthi	
46	Obst & Gyn	Clinical Study of Hypertensive Disorder in Pregnancy.	Dr. Jagdale Supriya Yashwant	
47	Ophthalmology	Evaluation of Endothelial Count in Adult Myopic Patients	Dr. Tejaswini Khandgave	Dr. Deepa Muzumdar
48	Ophthalmology	Fibriin Glue Versus Autologous Blood for Fixation of Conjunctival Autograft in Pterygium Surgery.	Dr. Nihar Garg	
49	Orthopedics	A Study to compare the Functional outcomes of the ACL reconstruction with Hamstring and Peroneus Longus Autograft.	Dr Yogesh Sisodia	

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50	Paediatrics	Randomised Controlled trial to Compare Clinical and Tolerability of Intramuscular Fosphenytoin Versus Intravenous Fosphenytoin in Children with Status Epilepticus Aged 6months to 5 years.	Dr Kavita Srivastava	
51	Paediatrics	Small steps towards to bigger goals: a study of demography and outcome of pediatric cancers in a peripheral resource limited pediatric oncology center.	Dr. Vibha Bafna	
52	Paediatrics	Patters of care and survival of renal tumors in India – A Retrospective Multi-Centric Study	Dr. Vibha Bafna	
53	Paediatrics	Study to assess possible route of transmission of SARS-CoV-2 through faecal material of positive patients and their potential role in persistent fecal viral shedding in the environment	Dr.Sanjay.K.Lalwani	
54	Paediatrics	Prevalence of HLA B* 1502(SNP rs144012689) and HLA A* 3101 alleles in Indian patients treated with Anti-Epileptic Dugs and its correlation with Severe Cutaneous Adverse Reaction (AED-SCAR study).	Dr. Kavita Srivastava	
55	Paediatrics	EEG Characteristics in Autism Spectrum disorder and its Comorbidities.	Dr Bina Thakor	
56	Paediatrics	Post anti-epileptic drug withdrawal EEG in estimating risk of recurrence of seizures in children with Epilepsy	Dr Raturaj Deshmukh	
57	Paediatrics	Diagnostic Yield of First Sleep Deprived EEG in Children with Suspected Unprovoked Seizure.	Dr. Ithihas H..A.	
58	Paediatrics	Screen time and behavioral problems in preschool children.	Dr. Shubhi Verma	
59	Pathology	Cytogenetic Abnormalities and Clinical Presentation in Downs Syndrome Patients	Dr. Aaishwarya Dhabe	
60	Pathology	Immunohistochemistry Study of ER, PR, p53 and MMR Gene in Patients with Endometrial Adenocarcinoma and Endometrial Hyperplasia.	1. Dr. Ravi Swami 2. Dr. Preeti Doshi 3. Dr. Rachana Lakhe	
61	Pathology	The utility of D-dimer assays and SOFA (Sepsis-related Organ Failure Assessment) score to predict outcome in critically ill COVID 19 positive patients	Dr. Ankush Nayyar	

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62	Pathology	Hematological and inflammatory profile of adults infected with COVID-19	Dr. Pomilla Singh Dr. Preeti Doshi	
63	Pathology	Study of morphological changes in peripheral blood smears of corona positive hospitalized patients	Dr. Anand Kalia	
64	Pediatrics	PCV-10-004 study: A Phase 3, Randomized, Double-Blind Study to Evaluate the Immunogenicity, Safety and Tolerability of Serum Institute of India's 10-valent Pneumococcal Conjugate Vaccine (PNEUMOSIL®) in Healthy Indian Infants.	Dr. Sanjay Lalwani	Dr Sonali Palkar, Dr. Neeta Hanumante, Dr. Shilpa Gokhale
65	Pediatrics	Hepatitis A study: A Phase II/III Multicentric Randomized Single Blind Study to Compare the Immunogenicity and Safety of HBI Inactivated Hepatitis-A Vaccine with Havrix® Vaccine when Administered to Two Age Groups of Healthy Subjects ”	Dr Sonali Palkar	Dr. Neeta Hanumante, Dr. Shilpa Gokhale, Dr Arundhati Diwan, Dr Supriya Barsode
66	Pediatrics	SII-wHEXA/IN-02: An open label, randomized, active controlled, multi-centric Phase II/III, study in Indian toddlers and infants to assess the immunogenicity and safety of SIIPL HEXASIIIL™ (DTwP-HepB-IPV-Hib) Vaccine in comparison with SIIPL PENTAVAC (DTwP-HepB-Hib) + Poliovac (IPV) Vaccines administered as separate injections.	Dr Sanjay Lalwani	Dr Sonali Palkar, Dr. Neeta Hanumante, Dr. Shilpa Gokhale
67	Pediatrics	Sero-prevalence of Anti-Hepatitis A antibodies in four cities from different parts of India	Dr. Sanjay Lalwani	Dr. Sonali Palkar Dr. Neeta Hanumante Dr. Vidhya Arankalle
68	Pediatrics	Evaluation of Pertussis Disease in Young Infants in India - A Hospital Based Multi-centric study	Dr. Sanjay Lalwani	Dr. Sonali Palkar, Dr. Nandini Malshe, Dr. Disha Padalkar-Dhamale
69	Pediatrics	A Multicenter, Phase III, Double-Blind, Randomized, Placebo-Controlled Study To Evaluate The Efficacy Of Recombinant BCG VPM1002 In Reducing Infection Incidence And Disease Severity Of SARS-COV-2/COVID-19 Among High-Risk Subjects	Dr. Sanjay Lalwani	Dr. Neeta Hanumante, Dr. Sonali Palkar, Dr. Purva Doke, Dr. Sujata Rege, Dr. Jignesh Shah
70	Pediatrics	Shan 6 Booster: Safety and Immunogenicity of booster dose of a Hexavalent Vaccine SHAN6™ (DTwP-HepB-Hib-IPV) with or without co-administration of MMR vaccine in Toddlers. SH6 00002	Dr. Sonali Palkar	Dr. Neeta Hanumante, Dr Shilpa Gokhale

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71	Pediatrics	Prevenar phase IV study: A Phase 4, Randomized, Open-Label Trial to describe the Safety, Tolerability, and Immunogenicity of 13-valent Pneumococcal Conjugate Vaccine formulated in Multidose Vials when given with routine Pediatric Vaccines in healthy infants in India	Dr Sanjay Lawani	Dr Sonali Palkar, Dr Neeta Hanumante, Dr. Amruta Walimbe
72	Pediatrics	<b>Protocol Title:</b> A phase II/III, multicenter, randomized, open label, active controlled, clinical study to assess the immunogenicity and safety of tetanus toxoid, diphtheria toxoid, and acellular pertussis (Tdap) vaccine manufactured by Serum Institute of India Pvt. Ltd. (SIIPL) in comparison with Boostrix® vaccine of GSK in healthy adults, adolescents and children in India. Protocol Number: SII-Tdap/IN-02 Protocol Version & Date: Version: 2.0 dated 14-Jun-2018 (123)	Dr.Jitendra Oswal	
73	Pediatrics	<b>Protocol Title:</b> A Phase-II/III, Partially Double-blind, Randomized, Active-controlled, Multicentric Study to Assess the Immunogenicity and Safety of SIIPL's qHPV Vaccine Administered Intramuscularly in Healthy Volunteers According to a Two-dose Schedule to Cohort 1 (Girls and Boys Aged 9-14 years) and a Three-dose Schedule to Cohort 2 (Women and Men Aged 15-26 years) as Compared to Merck's HPV6/11/16/18 vaccine (Gardasil®) <b>Protocol No:</b> SII-qHPV/IN-02, Version 2.0 dated 24 April 2018 (126)	Dr.Sanjay Lalwani	
74	Pediatrics	<b>Protocol Title:</b> Immune Lot-to-Lot Consistency and Non-Inferiority of SHAN6™ vaccine in Comparison to SHAN 5® + SHANIPV™ When Administered as Three Doses at 6-8, 10-12 and 14-16 weeks of age in Healthy Indian Infants, Concomitantly with Oral Rotavirus Vaccine <b>Trial Code:</b> SH600003 (127)	Dr. Sonali Palkar	
75	Pediatrics	<b>Protocol Title:</b> A Phase 3, Multicenter, Open-Label, Randomized Clinical Trial To Evaluate Safety And Immunogenicity of ROTAVAC® -20°C And ROTAVAC 5cm administered at Birth (Neonatal Schedule) and additional dose versus Infant Schedule against Rotavirus Gastroenteritis	Dr. Neeta Hanumante	

Sr. No.	Name of department	Title of project	Name of Principal investigator	Name/s of co-investigators
		<b>Protocol Number:</b> BBIL/ROTAVAC/III/2018 Version 1.1 effective date 27 Oct 2018 (133)		
76	Pediatrics	<b>Protocol Title:</b> A Phase 3, Randomized, Double-Blind Study to Evaluate the Immunogenicity, Safety and Tolerability of Serum Institute of India's 10-valent Pneumococcal Conjugate Vaccine (PNEUMOSIL®) in Healthy Indian Infants. Protocol number: PCV-10-003, Version 4.0 dated 25 JAN 2019 (134)	Dr.Sanjay Lalwani	
77	Pediatrics	<b>Protocol Title:</b> A phase III, randomized, open study to assess the immunogenicity, reactogenicity and safety of two different formulations of GlaxosmithKline (GSK) Biologicals' oral live attenuated human rotavirus (HRV) vaccine, Rotarix, when given as a two dose Primary vaccination in healthy infants with no previous history of rotavirus illness or Vaccination. Protocol No. : 116566 (ROTA- 083) (135)	Dr.Sanjay Lalwani	
78	Pediatrics	<b>Protocol Title:</b> Immunogenicity and Safety of an Investigational Quadrivalent Meningococcal Conjugate Vaccine in Healthy Adults, Adolescents, and Children in India and Healthy Adolescents and Children in the Republic of South Africa <b>Trial Code:</b> MET55 (137)	Dr. Sonali Palkar	
79	Pediatrics	<b>Protocol Title:</b> A Phase 3, Randomized, Double-Blind Study to Evaluate the Immunogenicity, Safety and Tolerability of Serum Institute of India's 10-valent Pneumococcal Conjugate Vaccine (PNEUMOSIL®) in Healthy Indian Infants. Protocol number: PCV-10-004, Version 1.0 dated 29 MAR 2019 (139)	Dr. Sanjay Lalwani	
80	Pediatrics	<b>Protocol Title:</b> "A Phase II/III Multicentric Randomized Single Blind Study to Compare the Immunogenicity and Safety of HBI Inactivated Hepatitis-A Vaccine with Havrix® Vaccine when Administered to Two Age Groups of Healthy Subjects " Protocol code: HBI/Hep A/II/ III/2018/ 002.01.01 Version: 01; Amendment 01 (140)	Dr. Sonali Palkar	



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81	Pediatrics	<b>Protocol Title:</b> A Phase II/III, Multicentre, Randomized, Open-Label, Active-Controlled Study to Assess the Immunogenicity and Safety of DTaP-IPV+Hib Vaccine Manufactured by Serum Institute of India Pvt. Ltd. in Comparison with Pentaxim® in Indian Toddlers and Infants. <b>Protocol Number:</b> SII-aPENTA/IN-02 Version no.1.0 dated 03 Oct 2018 (143)	Dr. Jitendra Oswal	
82	Pediatrics	<b>Protocol Title:</b> An open label, randomized, active controlled, multi-centric Phase II/III, study in Indian toddlers and infants to assess the immunogenicity and safety of SIIPL HEXASIIIL™ (DTwP-HepB-IPV-Hib) Vaccine in comparison with SIIPL PENTAVAC (DTwP-HepB-Hib) + Poliovac (IPV) vaccines, administered as separate injections <b>Protocol Number:</b> SII-wHEXA/IN-02 Protocol Version & Date: Version 1.0 dated 02 May 2019 (144)	Dr. Sanjay Lalwani	
83	Pediatrics	<b>Protocol Title:</b> A Phase IV, Randomized, Controlled Study of the Safety and Immunogenicity of Rabishield+ Rabivax-S Post-Exposure Prophylaxis regimen in Patients with Potential Rabies Exposure <b>Protocol number:</b> Rab-04 <b>Version:</b> 2.0 (145)	Dr. Sonali Palkar	
84	Pediatrics	<b>Protocol Title:</b> A Multicenter, Phase III, Double-Blind, Randomized, Placebo-Controlled Study To Evaluate The Efficacy Of Recombinant BCG VPM1002 In Reducing Infection Incidence And Disease Severity Of SARS-COV-2/COVID-19 Among High-Risk Subjects Protocol number: SII-rBCG/COVID-19/IN-01 (148)	Dr. Sanjay Lalwani	
85	Pediatrics	<b>Protocol Title:</b> An international randomized trial of additional treatments for COVID-19 in hospitalized patients who are all receiving the local standard of care (Solidarity Trial) <b>Protocol Version &amp; Date:</b> 10.0 dated 22 Mar 2020 (149)	Dr. Jignesh Shah	
86	Pediatrics	<b>Protocol Title:</b> Phase III, randomized, open-label, multicenter study evaluating the immunogenicity and safety of Shan6 vaccine administered, concomitantly with or without Measles-Mumps Rubella (MMR) vaccine, to healthy toddlers in India. Trial Code: SH600004 (150)	Dr. Sonali Palkar	

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87	Pharmacology	Evaluation of effect of Shobhanjana and Patoladi yoga in uni-nephrectomy and DOCA induced hypertension in wistar rats	Dr.Jayhsree S. Dawane	Dr.Pallawi Khatavkar, Dr.Vijaya Pandit ,Dr. Vijay Mate
88	Pharmacology	Evaluation of antidepressant effect of Drakshasava in wistar rats	Dr.Jayhsree S. Dawane	Dr.Vijaya Pandit Miss.Pratiksha Dhamal Mr.Avinash Sarak
89	Pharmacology	Evaluation of Immunomodulatory effect of Drakshasava in wistar rats	Dr.Jayhsree S. Dawane	Dr.Vijaya Pandit Mr.Avinash Sarak Miss.Pratiksha Dhamal
90	Pharmacology	Preventive and Therapeutic Potential of Swarna Bhasma and Jasad Bhasma in Diabetic Retinopathy and Diabetic Nephropathy',	Dr.Pallawi Khatavkar	Dr.Vijaya Pandit,Dr.Pawar,Dr.Gadgil
91	Pharmacology	Evaluation of effect of Shobhanjana and Patoladi yoga in uni-nephrectomy and DOCA induced hypertension in wistar rats	Dr.Jayhsree S. Dawane	
92	Pharmacology	Evaluation of antidepressant effect of Drakshasava in wistar rats	Dr.Jayhsree S. Dawane	
93	Pharmacology	Evaluation of Immunomodulatory effect of Drakshasava in wistar rats	Dr.Jayhsree S. Dawane	
94	Pharmacology	Monitor Adverse drug reactions and assess its economic Impact in a tertiary care Hospital.	Mr.Aayush Gandhi Ms. Saba Zaki Ms.Nishat Girkar	
95	Pharmacology	Management of Medication by Clinical Pharmacist in Oncology department	Dr.Akshay Chaudhari Dr.Akshay Mulay Dr. Phebe L. John	
96	Physiology	Effect of Nationwide lockdown due to COVID-19 pandemic on daily activities and study pattern of 1st MBBS Students.	Dr. (Mrs.) Anuradha Joshi	
97	Physiology	Effect of Moderate Exercise on Audiovisual Reaction time in Undergraduate Medical Students.	Ms. Pooja Dinkar Kashid	
98	Psychiatry	Psychological Consequences And Coping Strategies Of Caregivers Of Covid-19 Patients Admitted To A Tertiary Care Hospital	Dr. Arpit Kaushal	

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99	Psychiatry	Psychological Consequences and Coping strategies of Covid-19 Patients Admitted to A Tertiary Care Hospital	Dr. Patil Satyajit Tulashidas	
100	Psychiatry	Study of the psychological consequences, burnout and coping skills in healthcare workers managing admitted patients of COVID-19 at Bharati Hospital, Dhankawadi, Pune	Dr. Kashish Thaper	
101	Psychiatry	Study of the psychological consequences, burnout and coping skills in Police officers in Katraj, Pune during the Covid19 pandemic	Dr. Ashika B. George	
102	Pulmonary Medicine	A study of the clinical and radiological outcomes in COVID-19 patients	Dr. Disha Padalkar	
103	Pulmonary Medicine	Screening of flour mill workers for silicosis and silicotuberculosis	Dr Anita Anokar	
104	Pulmonary Medicine	Assessment of medical officers' knowledge of chest radiographs interpretation in diagnosis of pulmonary TB	Dr Kushal chidgupkar	
105	Radiology	Role of Whole-Body MRI in Neoplastic and non-Neoplastic Diseases.	Dr. Wahidullah Askarzada	
106	Radiology	Assessment of COVID-19 patients with chest radiography and clinical correlation	Dr. Shaikh Ishtiyag	
107	Surgery	Co-relation between changes in Hormonal Levels Like Estrogen and Progesterone and its Relation with the ER/PR Status in CA Breast Cases (Operable/Inoperable) for its Diagnostic and Prognostic Purpose.	Dr. Juthikaa Deherkar	
108	Surgery	Assessment of anal sphincter pressures after lateral internal sphincterotomy	Dr. Girija Patil	