

Bharati Vidyapeeth (DTU) Medical College, Pune

List of research projects 2018-19

Sr. No.	Title of project	Name of Principal investigator	Name/s of co-investigators
1	'Perception of medical students regarding preparation of models as an adjuvant to conventional teaching'.	Dr Medha Puranik	Dr Shilpa Gosavi and DR R.S.Garud
2	Morphological variability of sulci and gyri of cadaveric brain	Dr Shilpa Gosavi	DR R.S.Garud
3	Morphometric study of sulci and gyri of occipital lobe of cerebral Hemispheres of cadaveric Human brain.	Dr Ganesh Khemnar	Dr Shilpa Gosavi and DR R.S.Garud
4	Monitoring of Demographic Trends and Morbidity Profile of Rural Population (Health and Demographic Surveillance System) in Pune District	Dr. Jayashree Sachin Gothankar	Dr. Arvinder Narula, Dr. Tejal Paratwar (Doshi)
5	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
6	q-HPV vaccine -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®)	Dr Sanjay Lawani	Dr Sonali Palkar, Dr Neeta Hanumante, Dr. Amruta Walimbe, Dr. Supriya Barsode, Dr. Rishi Patel, Dr. Tushar Panchanadikar, Dr. Vaishali Taralekar,

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7	Serum Hexa - A Phase I, Prospective, Open Label Clinical Study to Assess the Safety and Immunogenicity of DTwP-HepB-IPV-Hib Vaccine Manufactured by SIIPL in Healthy Toddlers aged 16-24 Months	Dr Sanjay Lawani	Dr Sonali Palkar, Dr Neeta Hanumante,
8	Serum Tdap - 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.	Dr Jitendra Oswal	Dr Sonali Palkar, Dr Neeta Hanumante,
9	To Study Prevalence Of OSA In Patients Of COPD/OAD In Tertiary Care Centre - Using A Novel, Non-Contact Sleep Sensor	DR. MEDHA BARGAJE	DR KUSHAL CHIDGUPKAR
10	Evaluation of Endothelial Count in Adult Myopic Patients	Dr. Tejaswini Khandgave	Dr. Deepa Muzumdar
11	Evaluation of Ocular Causes of Headache	Dr. Piyush Jain	Dr. Shubha Nagpal Dr .Anil Jadhav
12	Prevalence of LPRD in general population	Dr Deeksha Agrawal	Dr Prasun Mishra
13	Prevalence of Allergic Rhinitis in general population	Dr Aishwariya Shukla	Dr Prasun Mishra
14	Comparison of Conventional Lecture Vs Internet based learning	Dr Rohit Jadhav	Dr Prasun Mishra
15	Comparison of Clinical finding Vs Video laryngoscopy in diagnosis of LPRD	Dr Deeksha Agrawal	Dr Prasun Mishra
16	Comparison of Nasal Smear finding Vs Blood Eosinophil count in Allergic Rhinitis	Dr Aishwariya Shukla	Dr Prasun Mishra

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17	Evaluation of effect of Ketamine as an adjuvant to Ropivachaine in cadual block for post-operative analgesia in Pediatric patients.	Dr. Shrusti Tomar	Dr.Pooja Bhosle
18	Comparison of postoperative analgesia by intraperitoneal infiltration of bupivacaine versus bupivacaine with dexmedetomidine in laparoscopic surgery.	Dr.Hemaip Tavethiya	Dr.S.D.Ladi
19	compare the efficacy of ropivacain versus bupuvacaine during surgical T&P Block	Dr.Aniket Kakade	Dr.TM Panchnadikar , Dr.G Wagh
20	compare the efficacy of intraperitoneal instillation along with local infiltration with bupioacaine versus placebo for postoperative analgesia after Lap TL	Dr.Aniket Kakade	Dr.TM Panchnadikar , Dr.G Wagh
21	Construction and Validation of a Short Version of the Impact Scale for Assessment of Cluttering and Stuttering (ISACS)	Dr Pallavi Kelkar	Dr Santhosh
22	Scarlet-2 Randomized, Double-Blind, Placebo Controlled, Phase 3 study to Assess the Safety and Efficacy of ART-123 in Subjects with Sepsis and Coagulopathy	Dr. Shivakumar Iyer	Dr. Jignesh Shah
23	Correlation of Lipid Profile with Oral Glucose Challenge Test in Pregnant women	Ms. Ridha Syed	1.Dr.Lalna Takale 2.Dr.M.K.Padwal
24	Usefulness of urine reagent strip in CSF as a rapid diagnostic tool for meningitis	Dr. Priyanka Murgod, Dr. amit Nisal	Dr. Preeti Doshi, Dr. Nimbargi
25	Detection of HPV by specific HPV DNA and comparison with P16INK4a in Oral SCC	Dr. Rachana Lakhe	Dr. Preeti, Mrs. Anu
26	Evaluation of neutrophil CD 64 for sepsis as an early diagnostic marker in ICU patients	Dr. Amit Nisal	Dr. Anjali Kelkar

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27	Use of information Technology to improve patient compliance	Dr.Bhagyashri D. Rajopadhye	Palak Mittal
28	Antimicrobial Prescribing pattern in tertiary care teaching hospital	Dr.Bhagyashri D. Rajopadhye	Dr.V.A.Pandit, Dr.P.P.Dhande, Dr. Sanjay Lalwani, Dr. Sonali Palkar
29	Prevalence and Associated Risk Factors of Hypertension in Urban Slums in Pune City	Dr. Sujata Murarkar	Dr. Aarati Pokale
30	SHAN 6 Phase III 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	Dr Sonali Palkar	Dr Neeta Hanumante, Dr Amruta Walimbe, Dr Shilpa Gokhale
31	Birth Rota: 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	Dr Neeta Hanumante	Dr Sanjay Lalwani, Dr Tushar Panchnadikar, Dr Sonali Palkar, Dr Shilpa Gokhale
32	Peumosiil- 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 Palkat, Dr Neeta Hanumante, Dr Shilpa Gokhale
33	Rotarix Liquid: 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	Dr Sanjay Lalwani	Dr Sonali Palkat, Dr Neeta Hanumante, Dr Shilpa Gokhale

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	two dose Primary vaccination in healthy infants with no previous history of rotavirus illness or Vaccination.		
34	USG guided Ilioinguinal and iliohypogastric nerve blocks versus caudal block for post op analgesia in children undergoing inguinal surgeries	Dr Madhuri Madhekar	Dr Abhay Sancheti, Dr Varshali Keniya
35	A Comparative Study of USG guided Erector Spinae Plane Block versus Local Anesthetic Infiltration in Spine surgery for post op Analgesia	Dr. Shweta Puntambekar	Dr Varshali Keniya
36	Evaluation of Kalyanak Ghrita (KG) on Ethanol consumption and Withdrawal effects in Ethanol Dependence Animal model	Dr Tanvi M Chotai	Dr Sarita Kapgate, Dr Vijay Mate
37	Evaluation of three Dosage Forms of Guduchi on Learning and Memory in Young and Aged Mice	Dr. Vaidhehi V. Patankar	Dr. Madhuri S. Pawar, Dr. Swati Gadgil, Dr. Jayshree Dawane
38	Liquid Rota: A Phase II/III, Multicentre, Open-Label, Randomized Study of Liquid Bovine Rotavirus Pentavalent Vaccine (LBRV-PV) to Evaluate Lot-To-Lot Consistency and to Compare Non-Inferiority with ROTASIIL (Lyophilized BRV-PV) In Healthy Infants in India	Dr. Sanjay Lalwani	Dr. Neeta Hanumante, Dr. Sonali Palkar, Dr. Amruta Walimbe
39	Cadilla Pentavalent: A prospective, randomized, two-arm, single-blind, parallel, active-controlled, multicenter, non-inferiority clinical study to evaluate the immunogenicity and safety of Diphtheria, Tetanus, Pertussis (Whole Cell), Hepatitis B (rDNA) and Haemophilus influenzae Type b Conjugate Vaccine (Adsorbed) of M/s Cadila Healthcare Limited compared to Diphtheria, Tetanus, Pertussis (Whole Cell), Hepatitis B (rDNA) and Haemophilus influenzae Type b	Dr. Neeta Hanumante	Dr. Sanjay Lalwani, Dr. Sonali Palkar, Dr. Amruta Walimbe

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	Conjugate Vaccine (Adsorbed) of M/s Panacea Biotec Limited in healthy infants.		
40	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.	Dr. Sonali Palkar	Dr. Sanjay Lalwani, Dr. Neeta Hanumante, Dr. Amruta Walimbe
41	A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study to Assess the Safety and Efficacy of ART-123 in Subjects with Severe Sepsis and Coagulopathy.	Dr. Shivakumar Iyer	Dr. Jignesh Shah
42	A Phase I, Prospective, Open Label Clinical Study to Assess the Safety and Immunogenicity of DTwP-HepB-IPV-Hib Vaccine Manufactured by SIIPL in Healthy Toddlers aged 16-24 Months.	Dr. Sanjay Lalwani	Dr. Sonali Palkar Dr. Neeta Hanumante Dr. Amruta Walimbe
43	Prevalence of Allergic rhinitis	Dr. Aishwarya Shukla	Dr Prasun Mishra
44	Correlation between Eosinophil count in blood and nasal smear in patients of Allergic rhinitis	Dr. Aishwarya Shukla	Dr Prasun Mishra
45	Prevalence of Laryngopharyngeal Reflux Disease in General population	Dr. Deeksha Agrawal	Dr Prasun Mishra
46	Correlation between history and videolaryngoscopy in Laryngopharyngeal disease	Dr. Deeksha Agrawal	Dr Prasun Mishra

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47	Investigating Mechanisms Leading to Preeclampsia	Dr. Sadhana Joshi	Dr. Girija Wagh, Dr. Sanjay Lalwani, Dr. Sanjay Gupte; Co-Investigators- Dr. Giriraj Chandak; Dr. Savita Mehendale, Dr. Arun Kinare, Dr. Priscilla Joshi, Dr. Manjiri Karandikar, Dr. Leena Srivastav, Dr. Hemant Mandke, Dr. Anvita Kale, Dr. Deepali Sundrani, Dr. Nisha Wadhwani
48	Placental Lipid Transport and Fetal Growth in Preeclampsia	Dr. Amrita Khaire	Dr. Sadhana Joshi; Dr. Girija Wagh
49	Epigenetic regulation of placental peroxisome proliferator activated receptor (PPAR) in women delivering low birth weight babies	Dr. Deepali Sundrani	Dr. Sadhana Joshi; Dr. Tushar Panchanadikar
50	Influence of Maternal One-Carbon (1C) Metabolism in Placental Function, Fetal Growth and Programming	Dr. Sadhana Joshi	Co PI- Dr. Girija Wagh, Dr. Sanjay Lalwani,
51	Effect of Nishamlaki in patients with Polycystic Ovarian Syndrome	Dr. Vijaya Pandit	Dr. Supriya Bhalerao , IRSHA
52	Effect of Yoga intervention on skeletal muscle linked glucose homeostasis in pre-diabetic individuals	Dr. Supriya Bhalerao	Dr. Jayshree Kharache; Mrs. Anita Patil
53	Establishment of a novel Electronic Surveillance System for dengue in Pune: an initiative for Smart Cities Mission	Dr A. C. Mishra	Dr Vidya Arankalle (IRSHA), Dr Sanjay Lalwani, Dr Arundhati G Diwan, Dr. M Modak (Bharati Vidyapeeth Medical College),

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			Anand P Kulkarni, Dr Varsha Vaidya
54	Immune response of Indian preterm infants to pentavalent vaccine	Dr Vidya Arankalle	Dr A. C. Mishra (IRSHA), Dr. Nandini Malshe, Dr Sonali Palkar, Dr Sanjay Lalwani
55	Norovirus surveillance among children with non-rotavirus associated gastroenteritis in Pune, India	Dr. Ruta Kulkarni	Dr. V. Kalrao, Dr. S. Mankar, Dr. M. Sangamnerkar
56	Platelet derived exosomes and their role in endothelial dysfunction in dengue infection	Dr. Shubham Shrivastava	Dr Deepak G Bhosle
57	Dynamics of maternally acquired anti-dengue antibodies in infants	Dr. Shubham Shrivastava	Dr. V. A. Arankalle, Dr. A. C. Mishra (IRSHA), Dr. Nandini Malshe, Dr. S. Lalwani