

ANNUAL REPORT – APRIL 2015 TO MARCH 2016

Research Department at Lata Mangeshkar Medical Foundation's Deenanath Mangeshkar Hospital and Research Centre Pune, Maharashtra, India



Current Address – Research Department, 6th Floor, Wing C, Phase I, Deenanath Mangeshkar Hospital and Research Centre, Erandawane, Pune 411038, Maharashtra, India

New address – Super-speciality building, 14th Floor [Starting August 2016]



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OUR REGISTRATIONS/ACCREDITATIONS FOR IN-HOUSE, CLINICAL TRIAL RESEARCH – AND DNB DEGREE RESEARCH PROGRAM

In-house research –

We are granted SIRO registration from DSIR with renewal from April 2014 to March 2017.

Clinical trial research –

Our IEC registration validity from DCGI (CDSCO, New Delhi) runs April 2013 through March 31, 2016 [Registration number – ECR/15/Inst/Maha/2013]

DNB research –

We have 15 departments that have been accredited by National Board of Examinations, New Delhi. The list of NBE accredited departments is available in institutional SOP version 11, Dec 20 2015 [<http://www.dmh.org/research/doc/SOP.pdf>]



PUBLICATIONS –

1. Katanuma A, Isayama H, **Bapaye A**. *Endoscopic ultrasonography using new functions for pancreatobiliary diseases: current status and future perspectives*. Dig Endosc. 2015 Apr;27 Suppl 1:47-54.
2. Sundaresan P, Simpson DA, Sambare C, Duffy S, Lechner J, **Dastane A**, et al. *Whole-mitochondrial genome sequencing in primary open-angle glaucoma using massively parallel sequencing identifies novel and known pathogenic variants*. Genet Med. 2015 Apr; 17(4):279-84. 3.
3. **Kalane S, Pitkar S, Rajhans A**. *Onychomycosis: A Rare Presentation of Fungal Urinary Tract Infection (UTI) in Extremely Preterm Neonate*. Indian J Pediatr 2015 Apr; (3): 485-87
4. **Godbole KG, Kulkarni SS, Godbole GP**, Kulkarni AM. *Experiences from Garbha-Swasthya helpline*. Indian J Public Health. 2015 Apr-Jun; 59(2):149-52.
5. **Kurlekar UA**, Rayate AS. *Synchronous primary malignancies in breast and kidney: a rare case report*. Indian J Surg. 2015 Apr; 77(Suppl 1):6-9.
6. **Kalane UD**, Datar C, Mahadevan A. *First reported case of Charcot Marie Tooth disease type 4C in a child from India with SH3TC2 mutation but absent spinal deformities*. Neurol India. 2015 May-Jun; 63(3):395-8.
7. **Bapaye A**, Itoi T, Kongkam P, Dubale N, Mukai S. *New fully covered large-bore wide-flare removable metal stent for drainage of pancreatic fluid collections: results of a multicenter study*. Dig Endosc. 2015 May;27(4):499-504.
8. **Bapaye A**, Dubale N, Desai PN, Mehta N, Pujari R, Date S, et al. *Tu1500 Safety of Per-Oral Endoscopic Myotomy (POEM) in Patients With Severe Co-Morbidities*. Gastrointestinal Endoscopy. 81(5):AB486.
9. **Bapaye A**, Dubale N, Desai PN, Mehta N, Pujari R, Date S, et al. *Tu1519 Results of Per-Oral Endoscopic Myotomy (POEM) for Recurrent Achalasia*. Gastrointestinal Endoscopy. 81(5):AB493-AB4.



PUBLICATIONS [CONTD.] –

10. **Deshmukh R**, Shyam A. *Reconstruction of Mirror Foot with Dysplastic Tibia*. Journal of Orthopaedic Case Reports. July 2015; 5(3).
11. **Ranade A, Oka GA**. *Open reductions of Paediatric Supracondylar Humerus Fractures- When, How and Risks*. International Journal of Paediatric Orthopaedics. 2015 July;1(1):16-8.
12. Cecconi M, Hofer C, Teboul JL, Pettila V, Wilkman E, Molnar Z, **Jog S et al**. *Fluid challenges in intensive care: the FENICE study: A global inception cohort study*. Intensive Care Med. 2015 Sep; 41(9):1529-37.
13. Marwaha RK, Garg MK, Bhadra K, **Mahalle N**, Mithal A, Tandon N. *Assessment and relation of total and regional fat mass with bone mineral content among Indian urban adolescents*. J Pediatr Endocrinol Metab. 2015 Sep; 28(9-10):1085-93.
14. Has C, Chmel N, Levati L, Neri I, Sonnenwald T, Pigors M, **Godbole KG et al**. *FERMT1 promoter mutations in patients with Kindler syndrome*. Clin Genet. 2015 Sep; 88(3):248-54.
15. Vodopiutz J, Seidl R, Prayer D, Khan MI, Mayr JA, Streubel B, **Godbole KG et al**. *WDR73 Mutations Cause Infantile Neurodegeneration and Variable Glomerular Kidney Disease*. Hum Mutat. 2015 Nov; 36(11):1021-
16. **Jog S**, Prayag S, Rajhans P, Zirpe K, Dixit S, Pillai L, et al. *Dengue infection with multiorgan dysfunction: SOFA score, arterial lactate and serum albumin levels are predictors of outcome*. Intensive Care Med. 2015 Nov; 41(11):2029-30.
17. Kim HJ, Kwon CI, Kessler WR, Selzer DJ, McNulty G, **Bapaye A, et al**. *Long-term follow-up results of endoscopic treatment of gastroesophageal reflux disease with the MUSE endoscopic stapling device*. Surgical endoscopy. 2015 Nov.
18. Manglekar PV, **Bhide V**, Dubale NA, **Bapaye A**. *Endoscopic submucosal dissection of duodenal gangliocytic paraganglioma: a rare entity*. Gastrointestinal Endoscopy. 2015 Nov; 82(5):967-9; discussion 9.
19. Ghule R, Daga R, **Date J, Joshi S, Shivde S**. *Xanthogranulomatous Pyelonephritis (XGPN) Presenting as Renal Lump in Infant: Rare Presentation*. Journal of Rare Disorders: Diagnosis & Therapy. 2015 Nov; 1:1-3.



PUBLICATIONS [CONTD.] –

20. **Bapaye A**, Dubale N, Pujari R, Kulkarni A, Jajoo Naval R, Vyas V, *et al.* *Peroral endoscopic pyloromyotomy for delayed postoperative gastroparesis*. Endoscopy. 2015; 47(S 01):E581-E2.
21. Dino Samartzis, Jason Pui Yin Cheung, Shanmuganathan Rajasekaran, Yoshiharu Kawaguchi, Shankar Acharya, Mamoru Kawakami, Shigenobu Satoh, Wen-Jer Chen, Chun-Kun Park, *et al* and **Amol Rege** *et al.* (multiple authors). *Critical Values of Facet Joint Angulation and Tropism in the Development of Lumbar Degenerative Spondylolisthesis: An International, Large-Scale Multicenter Study by the AOSpine Asia Pacific Research Collaboration Consortium*. Global Spine Journal, Aug 2015
22. Dino Samartzis, Jason Pui Yin Cheung, Shanmuganathan Rajasekaran, Yoshiharu Kawaguchi, Shankar Acharya, Mamoru Kawakami, Shigenobu Satoh, Sunguk Kuh, **Amol Rege** *et al* (multiple authors). *Is lumbar facet joint tropism developmental or secondary to degeneration? An international, large-scale multicenter study by the AOSpine Asia Pacific Research Collaboration Consortium*. Scoliosis and Spinal disorders, Feb 2016, 11:9.
23. Williams R, Cheung JP, Goss B, Rajasekaran S, Kawaguchi Y, Acharya S, **Rege A** *et al.* (multiple authors). *An International Multicenter Study Assessing the Role of Ethnicity on Variation of Lumbar Facet Joint Orientation and the Occurrence of Degenerative Spondylolisthesis in Asia Pacific: A Study from the AOSpine Asia Pacific Research Collaboration Consortium*. Global Spine J. 2016 Feb; 6(1):35-45.
24. **Tamane S and Joshi A.** *An unusual cause of breathlessness in 86 year old asthmatic lady - a case report*. Indian Journal of Geriatric Care. Jan-Apr 2016; 5(1): 17-18.



BOOK CHAPTERS –

1. *Simplified Algorithm for ABG Interpretation*. In – Progress in Medicine 2016 (Medicine Update 2016) Chapter 307, p 1595 -99. Dr. Pradip Dalvi, Dr. Sumit Ray, **Dr. Sameer Jog**.
2. *Infections of Larynx*. In – Practical Laryngology, Chapter 12, 2016. p. 129-140. **Dr. Sachin Gandhi & Dr. Nick Gibbins**
3. *Acute surgical treatment of Patellofemoral dislocations*. In – Patellofemoral Instability. 1st edition. Mumbai: PKC publishing. 2015. p. 24 – 27. **Dr. Sachin Tapasvi**.
4. *Trochleoplasty*. In – Patellofemoral Instability. 1st edition. Mumbai: PKC publishing. 2015. p. 43 – 53. **Dr. Sachin Tapasvi**.
5. *Addressing Polypharmacy in the Elderly*. In – Current Issues in Geriatrics, 4, p.79-88, Feb 2016. **Dr. Sandeep Tamane**.
6. *Vaccination in diabetics*. In – Diabetes a Clinical Compendium, Jaypee Brothers, April 2015. **Dr. Bharat Purandare**



THEME-BASED QUARTERLY NEWSLETTER ARTICLES –

Theme: 2015 – Patient safety

- Medical technology and patient safety

Vol. 4 (2) May – August 2015

Dr. Niranjan D. Khambete, Manager, Clinical Engineering, DMH&RC

- Hospital engineers play an important role in ensuring patient safety

Vol. 4 (3) September – December 2015

Dr. Niranjan D. Khambete, Manager, Clinical Engineering, DMH&RC

Theme: 2016 – Healthcare-associated infections

- Healthcare Associated Infections - An overview

Vol. 5 (1): Jan – April 2016

Dr. Sampada Patwardhan, Consultant Microbiologist, Department of Pathology,
DMHRC, Pune.

Our past newsletter articles –

Theme: 2014 – *Cancer biology, risk – and personalized medicine* (Dr. VV Pethe, Dr. AM Dastane and Dr. DS Kelkar)



PODIUM PRESENTATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES –

1. Dr. Prasad Walimbe –

- A.** Live surgery demonstration for all delegates. POS-ISMSICS (Pune Ophthalmology Society & International Society for Manual Small Incision Cataract Surgery) Conference, Pune: 4-6th December 2015.
- B.** Techniques in pediatric cataract surgery.
- C.** Combined trabeculotomy with trabeculectomy in congenital glaucoma.
B and C presentations at AIOS (All India Ophthalmology Society conference), Kolkata: 24 -28th February 2016.

2. Dr. Tejaswini Walimbe –

- A.** Instruction course on angle closure glaucoma. MOS (Maharashtra Ophthalmology Society conference). Goa: 23-25th October 2015.
- B.** Combined Small-incision Cataract Surgery [SICS] with trabeculotomy with anti-metabolite. AIOS
- C.** Combined Small-incision Cataract Surgery [SICS] with trabeculotomy with ologen implant.
B and C presented at AIOS (All India Ophthalmology Society conference), Kolkata: 24 -28th February 2016.

3. Dr. Anagha Dudhbhate – Kindler Syndrome: A case report. National Conference of Pediatric Dermatology, Mumbai: 2-4th October 2015.

4. Dr. Mihir Suryavanshi – Anatomy of FESS. Workshop on FESS (Functional Endoscopic Sinus Surgery). Pune: August 2015.

5. Dr. Swati Joshi –

- A.** Clinical practice & research in Psycho-dermatology at a Tertiary Hospital. World Psychiatric Association Regional Congress. Kochi: Sept 2015.
- B.** Counseling in Smoking addiction. Pre conference workshop- Arrest of the Notorious COPD Devil: Smoking Cessation - International Conference of Insights & Management of COPD (ICONIC). Pune: February 2016.



PODIUM PRESENTATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES [CONTD.] –

6. Dr. Nikhil Agarkhedkar –

A. Total Glossectomy with Laryngeal Preservation via Modified Visor Approach and Microsurgical Reconstruction with Free Anterolateral Thigh Flap: Functional Results.

B. A Rare Case of Chondrosarcoma of Mandibular Coronoid in a young patient presenting with Trismus: Oncological and Reconstructive Perspectives.

A and B presented at Golden Jubilee conference – 50th Annual Conference of Association of Plastic Surgeons of India (APSICON). Mumbai: December 2015.

C. Total Glossectomy with Laryngeal Preservation via Modified Visor Approach and Microsurgical Reconstruction with Free Anterolateral Thigh Flap: Functional Results. MAPSCON. Aurangabad: 2015.

D. Maxillofacial Reconstruction after Head and Neck Surgery. Invited as a speaker at CME on Head & Neck Cancer update by Association of Otolaryngologists of India. Pune: June 2015.

7. Dr. Malati Panchwagh – Comparison of Oxygraphy and Capnography with train-of-four [TOF] monitor for early detection of spontaneous respiration in paralyzed patients. 63rd Annual national conference of Indian Society of Anesthesiologist. Jaipur: December 2015



POSTER PRESENTATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES –

1. **Dr. Anagha Dudhbhate** – Report of 5 Cases of hypermelanosis following use of herbal henna dye and management by a combination cream formulated with alfa hydroxy acid preparation. World Congress of dermatology. Vancouver Canada: June 2015.
2. **Dr. Umesh Kalane** –
 - A. A case series: Cerebellar microcysts on MRI-a radiological clue.
 - B. A case series of four patients of Menkes Kinky hair disease [MKHD] – clinico-radiological presentation with usual and unusual presentations.Both A and B presented at International Congress on Child Neurology [ICCN], Chennai, January 2016.
3. Dr. Bhavik Bhuva, **Dr. Amruta Bedekar, Dr. Bhagyashree Shivde** – Anaesthetic management of a patient for Caesarean Section with confirmed H1N1 influenza with Acute Respiratory Distress Syndrome (ARDS). World Obstetric Anesthesia Congress. Hyderabad, October 2015.
4. **Dr. Swati Joshi** – Study to assess role of stress & incidence of depression in patients of Psoriasis. World Psychiatric Association Regional congress. Kochi: Sept 2015.
5. **Dr. Nikhil Agarkhedkar** – Precontouring of Reconstruction plate using rapid prototype model in mandibular reconstruction with free fibula flap. Golden Jubilee conference APSICON. Mumbai: 2015.
6. **Dr. Bharat Purandare** –
 - A. Skull-base osteomyelitis
 - B. Tuberculosis trends.A and B presented in Clinical Infectious Disease Society Conference [CIDSCON], New Delhi: August 2015.
 - C. Congenital CMV infection.
 - D. Yellow fever-vaccine associated meningitis.C and D presented in International Congress on Infectious Diseases, Hyderabad: March 2016.



RESEARCH AWARDS –

1. **Dr. Pradyumna Pai Raiturker**, Dr. Veena Joshi, **Mrs. Aditi Kulkarni** – received Best Paper Award (2nd place) at Maharashtra Orthopedics Association Conference (MOACON), Solapur, 21st November 2015. Title of the paper – *Inclusion of bending, sitting cross leg and squatting together with standard questionnaires to measure Low Back Pain among Indians*. Published in Journal of Trauma and Orthopedics (JTO), 2014.
2. Dr. Veena Joshi, **Dr. Gauri Oka**, **Mrs. Aditi Kulkarni** – Received 2nd prize for oral presentation at 9th ISCR Annual Conference. Mumbai. 8-9th January 2016. Title of the paper – *“Public awareness and perception of clinical trials: Quantitative study in Pune”*.
3. **Dr. Umesh Kalane** – Received 1st prize for poster presentation at Child Neurocon (India Association of Child Neurology 6th Annual Conference, Calcutta: 2015. Title of the paper – *“GM1 gangliosidosis with a novel mutation identified in GLB1 gene presenting in early infancy with a atypical clinical course”*.
4. **Dr. Umesh Kalane** – Received 1st prize for poster presentation at Pedigen, Pune : Feb 2015. Title of the paper – *“Peters plus syndrome: A sporadic case with a novel locus on chromosome 21”*.
5. **Dr. Ramesh Murthy** – Received 1st Prize in Mrs Shubhada Narayan Kulkarni Quiz competition, 7th Annual Conference of the Poona Ophthalmological Society, Pune.
6. Dr Pradnya Manglekar, **Dr Sheetal Biradar**, **Dr Vishnu Biradar** and **Dr Vijayshri Bhide** – Received 2nd prize for poster presentation at MAPCON 36th Annual conference of Maharashtra Chapter of IAPM held at Pune: Sept 2015. Title of the paper – *“Study of neuroendocrine tumors of gastro-intestinal tract”*.



IN-HOUSE RESEARCH AT DMHRC – PROJECTS SUBMITTED FOR REVIEW BY SAC/IEC AND THEIR STATUS [N = 21]

S. No.	DMHRC protocol code	Project investigator	Department (s)	Project title	Status as of March 31, 2016
1	2015_APR_SN_167	Dr. Sadanand Naik	Pathology	Uptake of various forms and amounts of vitamin B12 [IMPROVIT – PartI]	Ongoing
2	2015_APR_DK_168	Dr. D.S. Kelkar	Oncology	The Genomic Profile of Betel Nut/Gutkha Chewing-associated Oral Cancer	Query submitted to PI
3	2015_APR_PP_169	Dr. Pradyumna Pairaiturkar	Orthopedics and Research Department	Morphometric analysis of the safe working zone for transforaminal lumbar endoscopy by analysing series of MRIs.	Ongoing
4	2015_APR_GO_170	Dr. Gauri Oka	Research	Determination of Prevalence of back pain and contribution of school bags and psychosocial factors towards it among children studying in standards 6 th to 10 th in Pune city	Rejected
5	2015_APR_DK_171	Dr. D.S. Kelkar	Oncology	To study commonly implicated risk factors in patients of breast cancer coming to Deenanath Mangeshkar Hospital, Pune	Ongoing
6	2015_JUN_SJ_172	Dr. Sujit Joshi	Pathology	Mass Validation of OncoScan – Digital Pathology Scanner.	Expected to start by April/May 2016
7	2015_JUL_GG_173	Dr. Girish Godbole	Ob/Gyn and Research Department	A cross sectional study to determine awareness of attitude towards and practice of NSV among gynaecologists – A Pilot study	Closed out



IN-HOUSE RESEARCH – PROJECTS SUBMITTED FOR REVIEW BY SAC/IEC AND THEIR STATUS [N= 21; CONTD.]

S. No.	DMHRC protocol code	Project investigator	Department	Title	Status as of March 31, 2016
8	2015_AUG_NJ_174	Dr. Narendra Javadekar	Medicine and Research Dept.	A cross sectional study to determine the prevalence of irritable bowel syndrome(IBS) in patients of Metabolic Syndrome(MetS)	Ongoing
9	2015_AUG_SM_175	Dr Sanjeev Mangrulkar	Medicine	To form a registry of Dengue positive patients admitted at DMHRC	Ongoing
10	2015_SEPT_KN/KS_176	Dr Kaustubh Narsinghpura	Radiology	To understand the behaviour of cancer tumour through diagnostic tools such as X-ray, CT /MRI /Ultrasound imaging (An Observational Study)	Rejected
11	2015_SEPT_AB_177	Dr Amol Bapaye	Endoscopy	To develop and validate a simple mathematical tool for accurate identification of the gastro-esophageal junction during tunnelling of POEM	Ongoing
12	2015_OCT_RD_178	Dr. Ranjit Deshmukh	Orthopedics and Research Department	Role of Pirani score for predicting the likelihood of the need for performing a tenotomy of the Achilles tendon – and number of casts required during the course of treatment of idiopathic clubfeet by Ponseti technique – A retrospective Study.	Ongoing
13	2015_OCT_SD_179	Dr. Shantanu Deshpande	Orthopedics	A pilot study to assess blood, Synovial fluid and Synovium changes in Knee Osteoarthritis.	Rejected
14	2015_OCT_VR_180	Dr Veena Rahatgaonkar	Ob/Gyn and Research Department	A cross-sectional study to determine the prevalence of menstrual disorders in adolescent girls aged 10-19 years in Pune city	Ongoing



IN-HOUSE RESEARCH – PROJECTS SUBMITTED FOR REVIEW BY SAC/IEC AND THEIR STATUS [N= 21; CONTD.]

15	2015_DEC _NM_181	Dr Namita Mahalle	Pathology	Evaluation of Maternal Vitamin B12 status on global DNA Methylation and Cardiovascular risk factors in cord blood	Rejected
16	2015_DEC _GG_182	Dr Girish Godbole	Ob/Gyn and Research Department	Assessment of impact of capacity building of gynecologists in Pune city regarding knowledge, attitude – and practice of Non Scalpel Vasectomy (NSV)	Ongoing
17	2015_DEC _AR_183	Dr Ashish Ranade	Orthopedics and Research Department	Comparison of outcome of Indian and imported interlocking nails used for intramedullary nailing of femoral and tibial diaphyseal fractures in a tertiary care hospital – A retrospective study.	Ongoing
18	2016_JAN _SM_184	Dr Sanjeev Mangrulkar	Medicine	Utility of MR Imaging and Non Invasive Vascular Imaging of the Brain in altering the Management Plan of the disease in Ischemic strokes	Ongoing
19	2016_FEB _SN_185	Dr. Sadanand Naik	Pathology	Long term uptake study of 3.0 µg of Hydroxo Vitamin B12 and Cyano Vitamin B12 in Indian adults (IMPROVIT – Part II)	Ongoing
20	2016_FEB/MAR _PR_186	Dr Prasad Rajhans	ICU	Mortality based on Glasgow Coma Scale among patients utilizing emergency medical services of tertiary care hospital, Pune	Rejected
21	2016_Feb _SK_187	Dr Shailesh Kanvinde	Pediatric Oncology	A collaborative protocol for newly diagnosed Indian childhood Hodgkin Lymphoma (HL) patients: InPOG-HL-15-01	Query submitted to PI



IN-HOUSE RESEARCH AT DMHRC: CLOSED OUT PROJECTS –

S. No.	DMHRC protocol number	DMHRC Protocol Code	Project Investigator	Department (s)	Title	Comments
1	107		Dr. Sameer Jog	Intensive Care	European Society of Intensive Care Medicine study of therapeutic hypothermia (32-350 C) for ICP reduction after traumatic brain injury.	Published in NEJM
2	149	2014_Jan_AP_149	Dr. Aratee Palsule	Ophthalmology and Research	Pattern of Uveitis in eye care centre of tertiary hospital: A Retrospective, single centric study	Abstract writing and publication underway
3	157	2014_Aug_UK_157	Dr. Utkrant Kurlekar	Surgery and Research	A pilot study to determine prevalence of over weight and obesity in children aged 10-15 yrs from rural areas of Pune District.	Abstract writing and publication underway
4	160	2014_Sept_SJ_160	Dr. Shrikant Joshi	Ophthalmology	A retrospective study to determine whether special perioperative management (monitoring and interventions) is required for patients with systemic co-morbidities undergoing cataract surgeries.	Abstract writing and publication underway

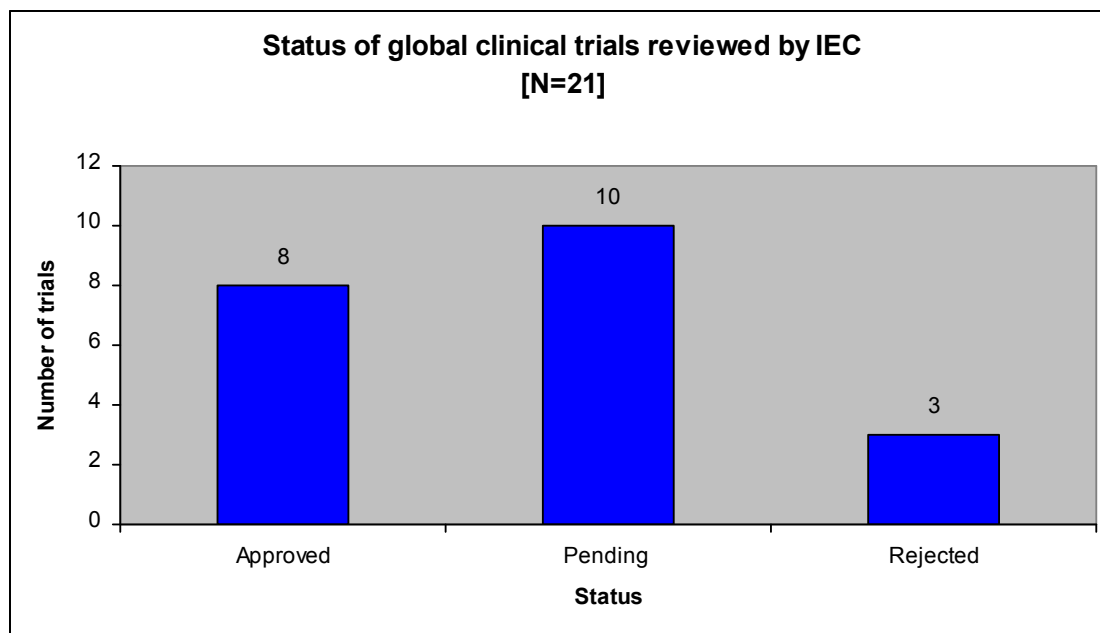


IN-HOUSE RESEARCH – CLOSED OUT PROJECTS [CONTD.]

S. No.	DMHRC protocol number	DMHRC Protocol Code	Project Investigator	Department (s)	Title	Comments
5	161	2014_Oct_VB_161	Dr. Vijayashree Bhide	Pathology	To study the clinical utility of endogenous Cytokeratin 7(CK7) & Cytokeratin 19(CK19) expression in pediatric cholestatic liver disease (A Pilot study)	Letter submitted by PI - Study undertaken as DNB thesis project
6	163	2015_Jan_AB_163	Dr. Amol Bapaye	Endoscopy and Digestive Diseases	EUS guided transmural drainage of walled off pancreatic necrosis (WOPN) : comparison between a specially designed fully covered large bore wide flare removable metal stent (FCSEMS) vs. multiple plastic stents : a single centre comparative study	Published in United European Gastroenterology (UEG) journal
7	164	2015_Jan_AB_164	Dr. Amol Bapaye	Endoscopy and Digestive Diseases	Results of Endoscopic Snare Papillectomy for ampullary tumours - a single centre study	Published in United European Gastroenterology (UEG) journal
8	173	2015_Jul_GG_173	Dr. Girish Godbole	Gynecology and Research	A cross sectional study to determine awareness of attitude towards and practice of NSV among gynaecologists	Pilot study completed and extension study planned.



CLINICAL TRIAL RESEARCH AT DMHRC – PROJECTS REVIEWED BY IEC AND THEIR STATUS



Pending status — The projects have not been given final approval in view of lack of either administrative and/or regulatory documents in the context of clinical trials. Some of the documents and items include – Final CTA, review fees, final ICFs, CTRI notification, DCGI submission/ approval notification.

Therapeutic areas of 8 approved studies –

1. ORTHOPEDICS (1)
2. SURGERY/MICROBIOLOGY (1)
3. INFECTIOUS DISEASES (1)
4. ENDOSCOPY/GI DISEASES (2)
5. ONCOLOGY (2)
6. OPHTHALMOLOGY (1)

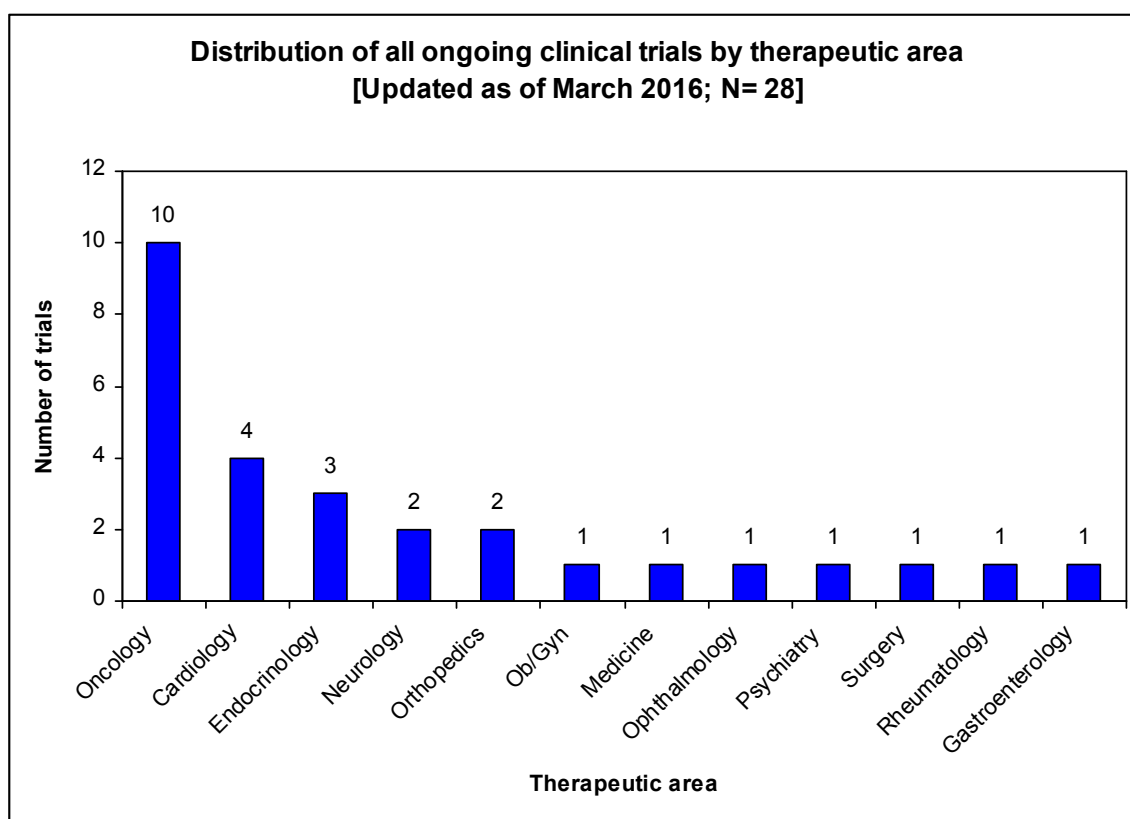


CLINICAL TRIAL RESEARCH AT DMHRC – STATUS OF ALL ACTIVELY ONGOING PROJECTS AND THEIR THERAPEUTIC AREAS : UPDATED AS OF MARCH 2016

A] Ongoing and inactive projects –

Total number of ongoing studies: N=	50
Studies having ongoing patient activities N=	28
Inactive studies : formal close-out from sponsor awaited N=	22

B] Therapeutic areas of ongoing projects –



DNB RESEARCH PROGRAM AT DMHRC – ONGOING PROJECTS

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
1	Dr. More Sagar Nana (Anaesthesia)	Dr. Malathi Panchawagh	Comparison of neonatal and maternal effects Of labour Epidural with 0.2% Ropivacaine alone and 0.2% Ropivacaine, with Single dose 25 µg Fentanyl as an adjuvant for labour analgesia
2	Dr. Mhatre Siddhesh Sunil (Anaesthesia)	Dr. Ranade- Joshi Manjiri	A study to assess the correlation between mean arterial pressures (MAP) of brachial artery using non invasive blood pressure (NIBP) monitoring and MAP at level of tragus (TMAP) using invasive blood pressure (IBP) monitoring during arthroscopic shoulder surgeries performed in beach chair position
3	Dr. Mahadik Rahul Jaysing (Cardiology)	Dr. Shireesh Sathe	A prospective observational study to determine the prevalence of multivessel disease in patients undergoing primary angioplasty in myocardial infarction and their outcomes
4	Dr. Suvojit Ghosh (ENT)	Dr. Sachin Gandhi	A retrospective study on clinical application of digital Videolaryngostroboscopy in diagnosis of early glottic carcinoma
5	Dr. Padashala Jaydip bhikhalal (Anaesthesia)	Dr. Vinayak Desurkar	A prospective Observational study to assess outcomes with early institution of Non Invasive Ventilation initiated in emergency department in patients with acute respiratory failure
6	Dr. Patel Sanket Mukeshkumar (Anaesthesia)	Dr. Vinayak Desurkar	An observational study of outcomes of cardiac arrest occurring in hospitalised patients
7	Dr. Mahale Priyanka Gurudas (Emergency Medicine)	Dr. Sonal Utpat	A study of 30 day outcome of selected patients presenting to emergency department with raised arterial lactate levels
8	Dr. Bora Nikhil Madan (Emergency Medicine)	Dr. Prasad Rajhans	A prospective study to determine correlation between initial Glasgow Coma Scale score, Computed Tomography findings and outcome of patients with Traumatic brain injury.
9	Dr. Joshirao Rama Prakash (Family Medicine)	Dr. Chandrashekhar Gadre	An observational study of comorbidity profile of geriatric patients admitted with falls
10	Dr. Vinit Panditrao Deshmukh (Family Medicine)	Dr. Atul Deshpande	A Prospective study of clinical profile of Hypertensive emergencies
11	Dr. Johann Varghese (General Medicine)	Dr. Pratibha Phadke	Prospective Observational Study of the Proportion of Women with Gestational Diabetes developing Overt Diabetes during follow up



D^{NB} RESEARCH PROGRAM AT DMHRC – ONGOING PROJECTS [CONTD.]

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
12	Dr. Zope Aarti Avinash (General Medicine)	Dr. S. V. Mangrulkar	A prospective observational study to assess the effect of chemotherapeutic agents on cardiac function.
13	Dr. Tummi Murali Krishna (General Surgery)	Dr. Shridhar Kanitkar	A prospective study to compare outcomes of conventional surgical approach and Endo venous laser ablation in the treatment of varicose veins
14	Dr. Apoorva Vijay Upadhye (General Surgery)	Dr. Jitendra Deuskar	A retrospective study to compare stages at presentation and outcomes of right and left colon malignancies
15	Dr. Pallavi Biradar (OB/GYN)	Dr. Asha Gokhale	A retrospective study of amniocentesis – and it's outcomes in singleton pregnancies
16	Dr. Gore Nileshta Wamanrao (OB/GYN)	Dr. Girish Godbole	Prospective comparative study of antepartum betamethasone treatment for prevention of respiratory distress in infants born by elective caesarean section at term gestation
17	Dr. Ashish Prajapat (OB/GYN)	Dr. Pratibha Kulkarni	To study the effect of Oligohydramnios on maternal and fetal outcomes in 37 weeks or more gestation period
18	Dr. Niharika Arya (Ophthalm)	Dr. Madhav Bhat	A Cross Sectional Observational Study to Evaluate the Prevalence of Ocular Surface Disease in Glaucomatous Patients Using Antiglaucoma Drugs.
19	Dr. Sneha Melmane (Ophthalm)	Dr. Shrikant Joshi	A prospective comparative study of accuracy of 3 different formulae for calculating intraocular lens powers in patients with long axial length undergoing cataract surgery.
20	Dr. Bharti Shivnani (Ophthalm)	Dr. Aratee Palsule	A randomised study to compare the effects of two different viscoelastic substances used during phacoemulsification on corneal endothelium
21	Dr. Sanghvi Kaushal Mukesh (Ophthalm)	Dr. Roopali Nerlikar	Changes in Intraocular Pressure after Nd:YAG Capsulotomy and its Correlation with amount of Laser Power used
22	Dr Pinaki dutta (Peadiatrics)	Dr Suneel Godbole	A cross-sectional study to compare prevalence of sensory processing disorders in autism spectrum disorders children – and typically developed children in the age group 2-6 years
23	Dr. Shivani Bajpai (Peadiatrics)	Dr. Sumeet Pitkar	A Comparative Study to assess the efficacy of T Piece Resuscitator and Self Inflating Bags for providing Positive Pressure Ventilation during neonatal resuscitation
24	Dr. Tejas Dharmraj Bhujbal (Peadiatrics)	Dr Arati Rajhans	Cross sectional study of Correlation between Transcutaneous Bilirubin Levels and Total Serum Bilirubin Levels in Preterm neonates
25	Dr. Yagnik Kinjalben Jagdishkumar (Peadiatrics)	Dr. Rajan Joshi	Correlation between the Neurobehavioral Assessment for Preterm Infant (NAPI) test with Morgan's Neonatal Neurobehavioral examination (MNNE) scale



D^{NB} RESEARCH PROGRAM AT DMHRC – ONGOING PROJECTS [CONTD.]

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
26	Dr. Saraf Pallavi Rajkumar (Pathology)	Dr. Mahesh Mandolkar	Utility of MIB-1 (Ki-67) Labeling Index in grading of Urothelial tumors
27	Dr. Galiya Dharmeshkumar Vrajalal (Radiology)	Dr. Ashwini Kulkarni	A Cross-sectional study to determine correlation between elastography and liver enzymes in patients of non-alcoholic fatty liver disease [NAFLD]



DNB RESEARCH PROGRAM AT DMHRC – PROJECTS ACCEPTED BY NATIONAL BOARD OF EXAMINATIONS

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
1.	Dr. Patil Rohit Dinesh (Anaesthesia)	Dr. Ranade Manjiri	Analgesia Before Sub-Arachnoid Block In Sitting Position For Fracture Neck Femur Surgery –A Comparision Of Two Nerve Block Techinque – A Randomised Controlled Study
2.	Dr. Nisheed Joseph (Anaesthesia)	Dr. Bhagyashree Shivde	Comparative study of Tramadol suppository and Ultrasound guided Transversus Abdominis Plane Block with Bupivacaine versus Tramadol suppository alone in providing post-operative analgesia after Caesarean section
3.	Dr. Vachhani Nikunj (Anaesthesia)	Dr. Jitendra Kshirsagar	A prospective study of comparison of Intravenous Diltiazem and Intravenous Esmolol to attenuate the cardiovascular responses to laryngoscopy and endotracheal intubation in controlled essential hypertensives
4.	Dr. Bhuva Bhavik Dhirajlal (Anaesthesia)	Dr. Vinayak Desurkar	Prospective Randomized Comparative Study of Bupivacaine plain and in combination with additives – Clonidine and Dexamethasone, with Transversus Abdominis Plane (TAP) Block for postoperative pain relief in Inguinal Hernia Surgery
5.	Dr. Chodankar Ninad Deepak (Anaesthesia)	Dr. Bhagyashri Shivde	A randomized study of comparison of Intravenous Dexmedetomidine and Intravenous Esmolol to attenuate the cardiovascular responses to laryngoscopy and endotracheal intubation.
6.	Dr. Joshi Nimisha Dhawal (Anaesthesia)	Dr. Jitendra Kshirsagar	Comparative study of ultrasound guided Trans versus Abdominis Plane (TAP) block using Bupivacaine with dexamethasone and intravenous Diclofenac sodium for post-operative analgesia after laparoscopic umbilical hernia surgery: A prospective randomized trial.
7.	Dr. Jadhav Nilesh Sharad (Cardiology)	Dr. Shireesh Sathe	A Prospective Study of Comparison of Functional Class and Clinical Characteristics of Patients with Left Ventricular Systolic Dysfunction With and Without Pulmonary Hypertension
8.	Dr. Pawar Sheshrao Balwant (Cardiology)	Dr. Satej Janorkar	Effect of the CHA2DS2-VASc Score on Anticoagulation Recommendations instead of CHADS2 for patients of non valvular Atrial Fibrillation - with six months follow up
9.	Dr. Neeharika Gunturu (ENT)	Dr. Siddharth Chaudri	Evaluation of Turbinoplasty in isolated inferior turbinate hypertrophy & in Allergic rhinitis With hypertrophy
10.	Dr. Vishwa Vijetha S K (ENT)	Dr. Sachin Gandhi	Swallowing Evaluation In Patients With Bilateral Immobile Vocal Folds After Laser Posterior Cordectomy



DNB RESEARCH PROGRAM AT DMHRC – PROJECTS ACCEPTED BY NATIONAL BOARD OF EXAMINATIONS [CONTD.]

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
11.	Dr. Arjita Sharda (ENT)	Dr. Siddharth Choudhari	Comparative Study Between Endoscopic And Microscopic Tympanoplasty
12.	Dr. Khatri Piyush Bandu (Family Medicine)	Dr. Gapchup Rashmi	A Comparative Clinical Study of Prevalence and determinants of hypertension in children of age group 6-15 years (in school children and those visiting DMH Paediatric OPD).
13.	Dr. Bodke Omprakash Laxmanrao (Family Medicine)	Dr. Chandrashekhar Gadre	A Prospective study of comparison of lipid profile in hypertensive and normotensive subjects in tertiary care hospital
14.	Dr. Kurup Radhika Ravindran (Family Medicine)	Dr. Atul Deshpande	Effect of Dysglycemia on outcome of Cerebrovascular accidents
15.	Dr. Gajendra Dattatray Deshpande (Family Medicine)	Dr. Atul Deshpande	A Prospective study of comparison of lipid profile in smokers and Non smokers
16.	Dr. Dombe Shailesh Shankarrao (Family Medicine)	Dr. Chandrashekhar Gadre	A Prospective study of comparison of lipid profile in fasting versus non-fasting subjects in tertiary care hospital
17.	Dr. Pawar Mahesh Dilip (Family Medicine)	Dr. Rashmi Gupdhup	How to progress oral feeding in preterm infants
18.	Dr. Pradhan Nikhil (Family Medicine)	Dr. Vaishali Deshmukh	Systemic complications of Dengue fever – A comparative study of two outbreaks- 2009 and 2014
19.	Dr. Balakrishna T V (Family Medicine)	Dr. Vaishali R. Deshmukh	Factors influencing the early initiation of breast feeding – A prospective observational study at a tertiary care hospital
20.	Dr. Dengle Ajit Balasaheb (General Medicine)	Dr. N. N. Bapat	Study of Clinical Profile of Acute Myocardial Infarction in Young
21.	Dr. Mulchandani Jaikumar Darshan (General Medicine)	Dr. R. B. Kulkarni	Study of hospitalized patients of Venous Thrombosis
22.	Dr. Gandhi Ashish Rajendra (General Medicine)	Dr. R. B. Kulkarni	Prospective study of Coagulation parameters in septicemic patients
23.	Dr. More Sunil Ankush (General Medicine)	Dr. N. N. Bapat	To study the role of eosinopenia as a marker in early diagnosis of enteric fever
24.	Dr. Sane Pratik Sudhir (General Medicine)	Dr. Amritkar Vijay	A prospective observational study to assess the outcome of patients suffering from urinary tract infection, caused by Extended spectrum betalactamase producing Enterobacteriaceae, treated with either carbapenem or beta-lactam/beta-lactamase inhibitor combination in Diabetics vs Non Diabetics



DNB RESEARCH PROGRAM AT DMHRC – PROJECTS ACCEPTED BY NATIONAL BOARD OF EXAMINATIONS [CONTD.]

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
25.	Dr. Pooja Ghalsasi (General Medicine)	Dr. V. E. Amritkar	A cross sectional Study to determine association of Mean Platelet Volume, Neutrophil Lymphocyte Ratio in patients presenting with Acute Ischemic Stroke
26.	Dr. Shahane Manasi Sanjay (General Medicine)	Dr. S. V. Mangrulkar	A prospective study of incidence of major Cardio-respiratory and Cerebrovascular adverse events in the perioperative period in pre evaluated, risk stratified adult patients undergoing non cardiac surgery
27.	Dr. Dipak Sopan Patade (General Medicine)	Dr. N.N. Bapat	A prospective observational study to find out the outcome of Ventilator-Associated Pneumonia (VAP) caused by Multi-Drug Resistant (MDR) microorganisms in Intensive Care Units of tertiary care hospital.
28.	Dr. Sunil Khandelwal (General Medicine)	Dr. R. B. Kulkarni	Interval change in anion gap as predictor of Clinical outcome in patients with Shock.
29.	Dr. Nemade Mitesh Janardhan (General Surgery)	Dr. D. S. Kelkar	Study of Management of Carcinoma Thyroid
30.	Dr. Barot Parth Vinod (General Surgery)	Dr. Kanitkar Shridhar	An Observational Study To Compare The Outcome Of Early Vs Delayed Cholecystectomy Done For Acute Cholecystitis
31.	Dr. Karmarkar Rahi Ravindra (General Surgery)	Dr. Utkrant Kurlekar	A prospective observational study to assess the effects of hyperbaric oxygen therapy as an adjunct to conventional therapy for chronic lower extremity ulcers in diabetic patients
32.	Dr. Phalle Abhijit Ashok (General Surgery)	Dr. Dhananjay Kelkar	A Retrospective study to analyse surgical outcome in parotid gland tumors
33.	Dr. Baldha Paresh Mansukhbhai (General Surgery)	Dr. S. V. Kanitkar	A prospective study to compare outcomes of Laparoscopic versus Open repairs in Uncomplicated Umbilical and Paraumbilical Hernia
34.	Dr. Patel Tusharkumar Babulal (OB/GYN)	Dr. Pratibha Kulkarni	Comparative Evaluation of 50mcg oral misoprostol and 25mcg intravaginal misoprostol for induction of labour more than 37 completed weeks of gestation .
35.	Dr. Patil Amita Shabsikant (OB/GYN)	Dr. Anuradha Wakankar	Effects of prepregnancy BMI & weight gain during pregnancy on duration of pregnancy and fetomaternal outcomes
36.	Dr. Shah Nirvi Kalapi (OB/GYN)	Dr. Asha Gokhale	To determine the incidence and quantification of Fetomaternal Haemorrhage due to Labour and Investigate whether mode of delivery influences the volume of Fetomaternal Haemorrhage (FMH)
37.	Dr. Marathe Shweta Ujwal (Ophth)	Dr. Aratee Palsule	To study the Prevalence and Pattern of Age Related Macular Degeneration.



DNB RESEARCH PROGRAM AT DMHRC – PROJECTS ACCEPTED BY NATIONAL BOARD OF EXAMINATIONS [CONTD.]

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
38.	Dr. Deepak Rajinder Singh Gupta (Ophthalm)	Dr Roopali Nerlikar	Cross sectional, Case control study of Corneal endothelial cell morphology on specular microscopy in patients with primary glaucoma versus non glaucoma patients
39.	Dr. Chaudhari Bhushan Vishwas (Ophthalm)	Dr. Madhav J. Bhat	Prospective observational study to evaluate effect of uncomplicated cataract surgery on central macular thickness assessed with Optical Coherence Tomography
40.	Dr. Jande Vaidehi Yashwant (Ophthalm)	Dr. Aratee Palsule	Cross sectional observational study to compare the of role of optical coherence tomography and visual evoked potential in acute inflammatory optic neuritis
41.	Dr. Pardeshi Rajeshwari Umakant (Ophthalm)	Dr. Roopali Nerlikar	Prospective observational study to determine the role of prostaglandins in causing Cystoid macular edema after uncomplicated cataract surgery or combined cataract +trabeculectomy surgery in glaucomatous patients with no previous retinal pathology assessed with Optical coherence tomography
42.	Dr. Gunja Chowdhury (Ophthalm)	Dr. Madhav bhat	Prospective observational study to compare corneal endothelial cell changes in Type II diabetic and non-diabetic patients after uncomplicated “Phacoemulsification” with Posterior Chamber Intraocular Lens Implantation surgery
43.	Dr. Ghalke Rishikesh Subhash (Ortho)	Dr. Milind Modak	To compare the outcomes of fractures of Distal end of humerus treated with Locking Compression Plates versus those treated with Non-Locking Plates
44.	Dr. Rajguru Vikram Ashok (Ortho)	Dr. Milind Modak	Do Radiographic parameters predict Functional Outcome in Distal end Radius Fracture?
45.	Dr. Birole Umesh Vasant (Ortho)	Dr. Vijay Panchanadikar	To Study Mortality Rate in Operated Elderly Patients of Fracture Neck of Femur
46.	Dr. Dhoot Abhijeet Ramkishor (Ortho)	Dr. Ranjit Deshmukh	Variability of Radiocapitellar Line (RCL) in radiographically reported normal Paediatric Elbow
47.	Dr. Ajinkya Deshpande (Ortho)	Dr. Milind Modak	A cross-sectional study to determine the prevalence of rotator cuff tears in asymptomatic shoulders with contra lateral rotator cuff injury.
48.	Dr. Biyani Kinjal (Patho)	Dr. Mahesh Mandolkar	Utility of MIB-1 (ki-67) Labeling Index in Grading of Meningiomas
49.	Dr. Sonali Ramesh Thakare (Patho)	Dr. Aruna Chandorkar	Histopathological spectrum of Hansen’s disease in a tertiary care centre



D NB RESEARCH PROGRAM AT DMHRC – PROJECTS ACCEPTED BY NATIONAL BOARD OF EXAMINATIONS [CONTD.]

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
50.	Dr. Vidushi Sachdeva (Patho)	Dr. Mahesh Mandolkar	Evaluation Of Microsatellite Instability (MSI) In Colonic Cancers
51.	Dr. Manthan Vinodkumar Kathrotiya (Patho)	Dr. Sujit Joshi	Utility Of Immature Platelet Fraction (IPF) In Predicting Bone Marrow Recovery After Myelo- suppressive Therapy And Bone Marrow Transplant
52.	Dr. Pawar Shraddha Ankush (Patho)	Dr. Vijayshri Bhide	Correlation of histology and serology in patients of celiac disease
53.	Dr. Shah Dipen Pankajbhai (Pediatrics)	Dr. Sumeet Pitkar	A Prospective comparative study of early Neonatal morbidity and mortalities between late preterm and term neonates in tertiary care Hospital
54.	Dr. Baglane Shriram Janardhan (Pediatrics)	Dr. Suneel Godbole	A Prospective study to evaluate the predictive ability of Amiel-Tison angles to assess the motor development in preterm babies
55.	Dr. Bandewar Sandip Prabhakar (Pediatrics)	Dr. Rajan Joshi	A Prospective study to evaluate Procalcitonin Vs C- Reactive Protein (CRP) and Immature to Total Neutrophil ratio in Suspected Neonatal Sepsis
56.	Dr. Rupali (Pediatrics)	Dr. Sumeet Pitkar	Prospective Comparative Study of Polyethylene Glycol and Lactitol in treatment of Chronic Childhood Constipation
57.	Dr. Bhavsar Sumit Gulabrao (Pediatrics)	Dr. Suneel Godbole	Effects of Kangaroo Mother Care on Oxygen therapy in premature babies in NICU
58.	Dr. Deshpande Shraddha Sanjay (Plastic)	Dr. Parag Sahasrabudhe	Analysis of Brachio-basilic Fistula by new technique as Vascular access for hemodialysis.
59.	Dr. Jesal Rathod (Plastic)	Dr. Parimal Kulkarni	Comparative Study of Collagen Dressing Vs Antiseptic Tulle Dressing For Split Thickness Skin Graft Donor Site Dressing
60.	Dr. Jaiswal Shriyesh Subhash (Radiology)	Dr. Ashwini Kulkarni	Observational study of correlation between the Clot load score on CT Angiography and survival of patient in a proven case of pulmonary embolism during 28 days follow up
61.	Dr. Rashmi Kotkar (Radiology)	Dr. Ashwini Kulkarni	Assessment of ARDS with lung sonography and correlation with severity of ARDS



DNB RESEARCH PROGRAM AT DMHRC – PROJECTS ACCEPTED BY NATIONAL BOARD OF EXAMINATIONS [CONTD.]

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
62.	Dr. Patel Kaustubh Babubhai (Urology)	Dr. Subodh Shivde	Evaluation and follow up of patients of renal calyceal stone with Retrograde intrarenal surgery, Extracorporeal shockwave lithotripsy and Observation.
63.	Dr. Ram Naresh Daga (Urology)	Dr. Subodh Shivde	High Versus Low frequency Holmium Laser Lithotripsy – A prospective randomised study in patients undergoing ureteric calculus management
64.	Dr. Ghule Rahul Ramdas (Urology)	Dr. Subodh Shivde	Mini-percutaneous nephrolithotomy Vs Retrograde intrarenal surgery for renal calculi – Prospective comparative study



ABSTRACTS OF PAPERS WHICH RECEIVED AWARDS IN CONFERENCES

A]. *Inclusion of bending, sitting cross leg and squatting together with standard questionnaires to measure Low Back Pain among Indians.*

Pradyumna Pai Raiturker, Veena D Joshi, Aditi A Kulkarni

Context: Low back Pain (LBP) is a common cause of activity limitations. Bending, settings cross leg and squatting is a routine practice in Indian Culture. Using present conditional specific standard questionnaires, it is not possible to gauge LBP induced by bending, sitting cross leg and squatting. Indians would be satisfied with the treatment if the LBP is relieved while bending, sitting cross leg and squatting. **Aim:** To understand level of LBP with sitting cross leg, bending and squatting and association of bending, sitting cross leg and squatting with standard LBP measures like ODI, RMDQ and VAS. **Material and Method:** Cross sectional survey at orthopedic outpatient clinic. We recruited 200 patients who completed ODI (V2.1a), RMDQ, VAS, with demographic questionnaire including questions on bending, sitting cross leg and squatting in English and Marathi language. **Results:** Average age was 47 ± 15 years. 42% were men. One fourth had LBP while bending, 40% had LBP while sitting cross leg. Little more than half of patient had LBP while squatting and getting up from squatting. Significant correlation was observed for bending with RMDQ ($r = .333$, $P < .0010$; $r = .264$, $p = 0.008$), and ODI ($r = .355$, $p < .0001$; $r = .246$, $p = .001$) for English and Marathi patients. Significant Correlation was observed for sitting cross leg with RMDQ ($r = .375$, $P = .001$; $r = .265$, $p < .0001$), ODI ($r = .313$, $p < .0001$, $r = .369$, $p < .0001$) and VAS ($r = .342$, $p = .006$; $r = .229$, $p = .022$) for both English and Marathi. **Conclusion:** There is a need to focus on bending, sitting cross leg and squatting together with the standard LBP questionnaires for better diagnosis and management of LBP.

Key words: Low back pain, ODI, VAS, RMDQ, Bending, sitting, and squatting.



ABSTRACTS OF PAPERS WHICH RECEIVED AWARDS IN CONFERENCES [CONTD.]

B]. *Public awareness and perception of clinical trials: Quantitative study in Pune.*

Joshi Veena, Oka Gauri, Kulkarni Aditi, Bivalkar Varada.

Context: Studies have reported that clinical research has experienced tremendous growth during past few decades with many multinational pharmaceutical companies recruiting millions of Indians in clinical trials (CTs). However, there is hardly any literature that talks about the participants, their knowledge, and awareness of CTs. It is important that the general public is aware about CTs so that they can take their own informed decision to participate in CTs. **Aim:** To assess public awareness, perceptions, and attitudes toward CTs and their views on various methods to create awareness about CTs. **Materials And Methods:** Cross sectional survey was conducted with 200 non trial participants (NTPs) and 40 trial participants (TPs). **Results:** TP were significantly ($P < 0.0001$) older than NTPs. More than 80% of both TP and NTPs mentioned participation in CT helps advance medical science and strongly felt that there is a need to create awareness about CTs. Nearly 70% of TP could not remember the phase of the trial while 20% did not know which type of trial they had participated. The main reason for participation in the trial was physician's advice. About 80% of both TP and NTPs felt that participation in CT will increase with free medications and advice from friends/relatives who had good experience with trial. **Conclusion:** Results of this pilot study revealed need to create CT awareness among the general public. However, considering ethno-cultural, regional, and literacy-level differences throughout the country, a nationwide study would be appropriate to provide reliable results about awareness of CTs among Indians. **Keywords:** Attitude; awareness; clinical trial; perceptions; public.



DEENANATH MANGESHKAR HOSPITAL AND RESEARCH CENTRE, PUNE



ANNUAL REPORT 2015-16 – PREPARED BY

Dr. Vaijayanti V. Pethe

Dr. Shweta A. Chittaranjan

Mrs. Aditi A. Kulkarni

