

ANNUAL REPORT – 01 APRIL 2016 TO 31 MARCH 2017

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



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DEENANATH MANGESHKAR HOSPITAL AND RESEARCH CENTRE, PUNE, M.S., INDIA



PATRON and SUPPORT

Dr. Dhananjay S. Kelkar

ANNUAL REPORT 2016-17 – PREPARED BY

▪ *Dr. Vaijayanti V. Pethe*
(Content and design)

▪ *Mrs. Aditi A. Kulkarni*
(Data compilation and initial drafts – IHR, Publications, Awards – and DNB data)

▪ *Dr. Shweta A. Chittaranjan*
(Data compilation and initial drafts – CTR data)





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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 2017 to March 2020.

Clinical trial research –

Our IEC registration validity from DCGI (CDSCO, New Delhi) runs April 2016 through March 31, 2019 [Registration number – ECR/15/Inst/Maha/2013-RR16]

DNB research –

We have 18 departments that have been accredited by National Board of Examinations, New Delhi.

The list of NBE accredited departments is available in institutional EC SOP – Version 13, May 2017



PUBLICATIONS –

1. **Mangrulkar SV, Purandare SV, Shahane M.** *Some Rarer Manifestations of Tuberculosis.* Astrocyte. 2016 Apr-Jun; 3:36-41.
2. Parikh PM, **Hingmire SS, Deshmukh CD.** *Selected current data on metronomic therapy (and its promise) from India.* South Asian J Cancer. 2016 Apr-Jun; 5(2):37-47.
3. **Bhatia AG.** *Carotid sheath route: Is it the solution for the problems of the pre-spinal route?* Indian J Plast Surg. 2016 May-Aug; 49(2):164-5.
4. **Oka A, Godbole G, Oka G.** *Prolonged high dose cabergoline administration in a case of late onset ovarian hyperstimulation syndrome.* IVF Lite. 2016 May; 3:61-3.
5. **Desurkar V, Bhavsar R.** *PAUSE: Perioperative Bedside Ultrasound.* J Cardiothorac Vasc Anesth. 2016 May.
6. Bangalore S, Bhagwat A, Pinto B, Goel PK, Jagtap P, **Sathe S**, et al. *Percutaneous Coronary Intervention in Patients With Insulin-Treated and Non-Insulin-Treated Diabetes Mellitus: Secondary Analysis of the TUXEDO Trial.* JAMA Cardiol. 2016 Jun; 1(3):266-73.
7. Marty FM, Ostrosky-Zeichner L, Cornely OA, Mullane KM, Perfect JR, Thompson Iii GR, **Melinkeri S**, et al. *Isavuconazole treatment for mucormycosis: a single-arm open-label trial and case-control analysis.* The Lancet Infectious Diseases. 2016 July; 16(7):828-37.
8. Parikh PM, Ranade AA, Govind B, Ghadyalpatil N, Singh R, Bharath R, **Hingmire S** et al. *Lung cancer in India: Current status and promising strategies.* South Asian J Cancer. 2016 Jul-Sep; 5(3):93-5.
9. Ramaswamy A, Rekhi B, Bakhshi S, **Hingmire S**, Agarwal M. *Indian data on bone and soft tissue sarcomas: A summary of published study results.* South Asian J Cancer. 2016 Jul-Sep; 5(3):138-45.
10. Rangarajan B, Shet T, Wadasadawala T, Nair NS, Sairam RM, **Hingmire SS**, et al. *Breast cancer: An overview of published Indian data.* South Asian J Cancer. 2016 Jul-Sep; 5(3):86-92.



PUBLICATIONS [CONTD.] –

11. 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.* Surg Endosc. 2016 Aug; 30(8):3402-8.
12. Samartzis D, Cheung JP, Rajasekaran S, Kawaguchi Y, Acharya S, Kawakami M, **Rege A** et al. *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 J. 2016 Aug; 6(5):414-21.
13. **Bapaye A, Waghlikar G, Jog S, Kothurkar A, Purandare S, Dubale N**, et al. *Per rectal endoscopic myotomy for the treatment of adult Hirschsprung's disease: First human case (with video).* Dig Endosc. 2016 Sep; 28(6):680-4.
14. **Kurlekar U, Oka G, Khare A.** *Prevalence of childhood overweight and obesity in rural Pune.* Indian J Child Health. 2016 Sep. 3(4):301-4.
15. Ngamruengphong S, Inoue H, Chiu P, Yip HC, **Bapaye A**, Ujiki M, et al. *Long-term outcomes of per-oral endoscopic myotomy in achalasia patients with a minimum follow-up of 2 years: an international multicenter study.* Gastrointestinal Endoscopy. 2016 Sep.
16. **Bapaye A, Mahadik M, Pujari R, Vyas V, Dubale N.** *Per-oral endoscopic pyloromyotomy and per-oral endoscopic myotomy for coexisting refractory gastroparesis and recurrent achalasia cardia in a single patient.* Gastrointest Endosc. 2016 Oct; 84(4):734-5.
17. **Godbole K, Kulkarni A, Kanade A, Kulkarni S, Godbole G, Wakankar A.** *Maternal Serum Aneuploidy Screen and Adverse Pregnancy Outcomes.* J Obstet Gynaecol India. 2016 Oct; 66(Suppl 1):141-8.
18. **Rajhans PA, Kulkarni PY, Kelkar DS, Jog SA, Ranade G, Utpat S**, et al. *Assessment of Mortality among Patients Utilizing Emergency Medical Services of Tertiary Care Hospital, Pune.* Int J Med Res Prof. 2016 Oct; 2(3):174-8.



PUBLICATIONS [CONTD.] –

19. Garg MK, Marwaha RK, **Mahalle N**, Tandon N. *Relationship of lean mass and obesity in Indian urban children and adolescents*. Indian J Endocrinol Metab. 2016 Nov-Dec; 20(6):779-83.
20. **Kalane U**, Atre A. *Rhombencephalosynapsis: A rare cerebellar malformation associated with aqueductal stenosis and obstructive hydrocephalus*. Neurol India. 2016 Nov-Dec; 64(6):1381-3.
21. **Kalane U**, Datar C, **Kalane S**. *Ring chromosome 20 syndrome – A rare chromosomal cause of refractory epilepsy in children*. International Journal of Epilepsy. Nov 2016.
22. **Kalane U**, **Kalane S**. *A case series of reflex myoclonic absence epilepsy of infancy – an age-dependent idiopathic generalized epileptic (IGE) syndrome – with good prognosis*. International Journal of Epilepsy. Nov 2016.
23. Sathiyasekaran M, **Biradar V**, Ramaswamy G, Srinivas S, Ashish B, Sumathi B, et al. *Pancreatitis in Children*. Indian J Pediatr. 2016 Nov; 83(12-13):1459-72.
24. Sheth J, Mistri M, Shah K, Chaudhary M, **Godbole K**, Sheth F. *Lysosomal Storage Disorders in Nonimmune Hydrops Fetalis (NIHF): An Indian Experience*. JIMD Rep. 2016 Dec.
25. Wijesekera O, Reed A, Chastain PS, Biggs S, Clark EG, Kole T, **Rajhans P**, et al. *Epidemiology of Emergency Medical Services (EMS) Utilization in Four Indian Emergency Departments*. Prehosp Disaster Med. 2016 Dec; 31(6):675-9.
26. **Bapaye A**, **Dubale NA**, Sheth KA, Bapaye J, Ramesh J, **Gadhikar H**, et al. *Endoscopic ultrasonography-guided transmural drainage of walled-off pancreatic necrosis: Comparison between a specially designed fully covered bi-flanged metal stent and multiple plastic stents*. Dig Endosc. 2017 Jan; 29(1):104-10.
27. Khashab MA, Ngamruengphong S, Carr-Locke D, **Bapaye A**, Benias PC, Serouya S, et al. *Gastric per-oral endoscopic myotomy for refractory gastroparesis: results from the first multicenter study on endoscopic pyloromyotomy (with video)*. Gastrointest Endosc. 2017 Jan; 85(1):123-8.



PUBLICATIONS [CONTD.] –

28. **Phadke PS, Gandhi AR, More SA, Joshirao RP.** *Salmonella pyomyositis with concurrent sacroiliac osteomyelitis presenting as piriformis syndrome: A rare case.* J Postgrad Med. 2017 Jan-Mar; 63(1):44-6.
29. **Rajhans PA, Kulkarni, PY, Kelkar DS, Jog SA, Ranade G, Utpat S, Hande V.** *Clinico-social parameters of diabetes among patients utilizing emergency medical services.* Int J Res Med Sci. 2017 Jan; 5:219-24.
30. **Ngamruengphong S, Inoue H, Ujiki MB, Patel LY, Bapaye A, Desai PN, et al.** *Efficacy and Safety of Peroral Endoscopic Myotomy for Treatment of Achalasia After Failed Heller Myotomy.* Clin Gastroenterol Hepatol. 2017 Feb.
31. **Marwaha RK, Garg MK, Bhadra K, Mahalle N, Mithal A, Tandon N.** *Lean Body Mass and Bone Health in Urban Adolescents From Northern India.* Indian Pediatr. 2017 Mar; 54(3):193-8.
32. **Ghule R, Shivde S, Daga R.** *Intra-vesical BCG induced granulomatous hepatitis and disseminated Koch's: Our experience.* Indian J Case Reports. 2017 Mar; 3(1): 47-49.



BOOK CHAPTERS –

1. *Rajhans P, Patel D.*

Paracentesis. In: Manual of ICU Procedures. 2016:527.

2. *Dalvi P, Ray S, Jog S.*

Simplified Algorithm for ABG Interpretation. In: Medicine Update. Vol 3. New Delhi: Jaypee Brothers; 2016:1595-1600.

3. *Deshmukh VR.*

Adolescent Anemia. In: Algorithms in Pediatrics 1ed. New Delhi: Jaypee Brothers; 2017:79-83.

4. *Rahatgaonkar V.*

CIN (Cervical Intra-epithelial Neoplasia) : Ablative Therapies. In: Colposcopy of Female Genital Tract. 1 ed. Singapore: Springer Singapore; 2017:169-182.





THEME-BASED QUARTERLY NEWSLETTER ARTICLES –

- **Nosocomial Infections in the Intensive Care Units – Device Associated Infections.**

Vol. 5 (2): May – August 2016

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

- **Infection control in special areas.**

Vol. 5 (3): September – December 2016

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

- **Social Perceptions and Impacts of Epilepsy**

Vol. 6 (1): January – April 2017

Ms. Yashoda Wakankar, Consultant Counselor, Department of Neurology, DMHRC, Pune.

Our past newsletter articles –

Theme: 2014 – Cancer biology, risk – and personalized medicine (*Dr. Vaijayanti V. Pethe, Dr. Aditi M. Dastane and Dr. Dhananjay S. Kelkar*)

Theme: 2015 – Patient safety (*Dr. Niranjana D. Khambete*)





PODIUM PRESENTATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES

1. Dr. Prasad Walimbe –

- A.** Ocular manifestations in HIV/AIDS. 36th Annual conference of Maharashtra ophthalmological society ,Vashi, Navi Mumbai: 14-16 October 2016
- B.** Video Assisted lecture – Capsular Management in Pediatric cataract. CME on recent advances in Pediatric Ophthalmology. Pune: 20 November 2016.
- C.** Ophthalmologist's perspective of Growth & Developmental Disorders. 15th National Conference of Growth, Development and Behavioral Pediatrics at Pune organized by GDBP Academy – subchapter of Indian Academy of Pediatrics. Pune: 9-11 December 2016.
- D.** Amblyopia treatment study conclusions.
- E.** Evaluation of paralytic strabismus.

D and E presented at PED-EYE INDIA: National Conference On Pediatric Ophthalmology. Pune: 18-19 March 2017.

2. Dr. Kanvinde Shailesh –

- A.** Automated CBC and Approach to Anemia. Approach to Pancytopenia.
 - B.** Cases ITP, Hemophilia, HDN, AIHA, Eosinophilia, CVID.
- A and B presented at Indian Academy Pediatrics, Pune Hematology CME.: 16 June 2016.
- C.** Interesting cases – Oncology and Hematology. Annual conference of IAP. Baramati: 16 July 2016.
 - D.** Paraneoplastic syndrome in Neuroblastoma.
 - E.** Panel Discussion – Thrombocytopenia - does the count matter?

D and E presented at Annual conference of Pediatric Hematology-Oncology. Mumbai: 4-6 November 2016.

- F.** Adieu to Anemia. CME of Indian Academy Pediatrics. Pune: 17 January 2017.



PODIUM PRESENTATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES

– [CONTD.]

3. Dr. Ramesh Murthy –

- A. Blepharoplasty and Xanthelasma – ACSICON 2016, 14th National Conference of association of Cutaneous Surgeons (I). Mahabaleshwar: 21-23 April 2016.
 - B. Squint, Amblyopia and Common eye problems in children. 3rd Indian Academy of Pediatrics meeting Pedimeet, Yashada, Pune: 17 July 2016.
 - C. Watering eyes in children. 36th Annual Conference of the Maharashtra Ophthalmological Society, Vashi, Navi Mumbai: 14 -16 October 2016.
 - D. Intermittent exotropia and convergence insufficiency. Paedia-Tricks, CME, Thane club. Thane: 22nd January 2017.
 - E. Unusual sweat gland tumor of the orbit. Ocular Oncology Master Class by Carol Shields. Hyderabad International Convention Centre (HICC), Hyderabad: 14-15 January 2017.
 - F. When and how to probe in congenital dacryocystitis. IC 314. Pediatric Oculoplastic disorders – A step by step approach to solving everyday dilemmas.
 - G. Traumatic misalignment of eyes. IC 360. Power game: Muscle or nerve.
- F and G presented at 75th Platinum Jubilee Annual Conference of All India Ophthalmological Society, Jaipur, 16 - 19 February 2017.





PODIUM PRESENTATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES

– [CONTD.]

4. Dr. Sanjay Desai –

A. MR imaging of the wrist – CME organized by Indian Radiological and Imaging Association (IRIA) and conducted by Institute of Clinical Research, India (ICRI), Thane: June 2016

B. Conducted ‘Film Reading Session’. Maharashtra State Branch, Indian Radiological and Imaging Association (MSB-IRIA) Pune chapter, CME. Pune: August. 2016.

C. Shoulder imaging – basics to advance. IREP held at DY Patil Medical College Auditorium organized by PCMC Chapter of Indian Radiological and Imaging Association (IRIA). Pune September 2016.

D. MR Imaging of shoulder.

E. MR Imaging of knee.

D and E presented at Aurangabad Chapter of Indian Radiological and Imaging Association (IRIA). Aurangabad: September 2016.

F. Imaging of the finger pulleys. Annual Conference of Musculoskeletal Society of India. Ahmedabad: 23-25 September 2016.

G. Rotator cuff tears. Pune Shoulder course. Pune: 12 November 2016.

H. MR imaging of the wrist.

I. MR imaging of the lumbosacral plexopathy with MR neurography.

Both H and I presented at MRI teaching course held at Nanavati Hospital, Mumbai: March 2017.





POSTER PRESENTATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES

1. Dr. Vaijayanti Lagu-Joshi, Sujit Jagtap, Smita Upadhye –

Neuromyotonia: a rare presentation in a case of systemic sclerosis. Annual Indian Rheumatology Association conference, Kochi, November 2016.

2. Dr. Prasad Walimbe –

A. Capsule management in Pediatric Cataract Surgery.

B. Paradigms in the management of congenital glaucoma.

A and B presented at an Intercontinental Perspective of Pediatric Ophthalmology & Strabismus (International conference) AAPOS – SPOSI Joint Meeting, Jaipur, 2-4 December 2016.





RESEARCH AWARDS –

Dr. Ramesh Murthy –

- A. **Runner up** in Mrs Shubhada Narayan Kulkarni Quiz competition, 9th Annual Conference of the Poona Ophthalmological Society, Pune, 18th December 2016.
- B. **First Prize** in debate competition in Eye Cancer, L.V. Prasad Eye Institute, Hyderabad, 9th July 2016.

Dr. Sanjay Desai –

Oral Presentation on ‘MR imaging of the lumbosacral plexopathy’
CME held at DY Patil Medical College and Hospital. Pune, July 2016.



IN-HOUSE RESEARCH AT DMHRC – PROJECTS SUBMITTED FOR REVIEW BY SAC/IEC AND THEIR STATUS [N = 28]

S. No.	DMHRC protocol code	Project investigator	Department (s)	Project title	Status as of March 31, 2017
1.	2016_APR_S K_188	Dr. Shilpa Kalane	NICU and Research Department	A double-blind randomized controlled study to compare effects of both early oral and tube minimal enteral nutrition (OMEN) and only early tube minimal enteral nutrition (TMEN) in terms of achieving feeding tolerance in preterm very low weight infants	Ongoing
2.	2016_APR_P W_189	Dr. Pankaj Wanjarkhedkar	Oncology	An observational Study of Tridosh based variation on chemo response in Patients of Ovarian Cancer.	Ongoing
3.	2016_Jun_A K_190	Dr. Preana Mankad	Anaesthesia and Research Department	Correlation of observed in-hospital mortality with predicted in-hospital mortality by the POSPOM score.	Ongoing
4.	2016_Jun_H W_192	Dr. Hemant Wakankar	Joint - Replacement	Assessment of functional recovery and satisfaction in patients post- unilateral total knee replacement: A 6 month follow-up	Ongoing
5.	2016-Jul-AB _193	Dr Amol Bapaye	Endoscopy	Gastric Per-oral Endoscopic Myotomy (G-POEM) for treatment of Refractory Gastroparesis – A Pilot Study	Pending
6.	2016_AUG_S N_194	Dr Sadanand Naik	Clinical Biochemistry	Comparison of uptake of vitamin B12 supplied through cow/buffalo milk (IMPROVIT – Part III)	Ongoing
7.	2016_AUG_S P_195	Dr Sampada Patwardhan	Microbiology	A Pilot Study to validate platform for rapid detection of Uropathogens at the point of care	Pending for MoU
8.	2016_AUG_ VB_196	Dr Vishnu Biradar	Endoscopy	Clinical and laboratory profile of inflammatory bowel disease in Children in India – A Multi-centric Study	Pending (MoU and ICD)
9.	2016_AUG_ RJ_197	Dr .Rajan Joshi	Pediatrics and Research Department	Reference values of Plasma NT Pro BNP concentrations in healthy full term neonates – A pilot study	Ongoing
10.	2016_Sept- AB-198	Dr. Ashish Babulkar	Joint - Replacement	A study of short-term and medium-term follow-up of one-staged bilateral arthroscopic rotator cuff repair.	Ongoing
11.	2016_Sept- AB-199	Dr. Ashish Babulkar	Joint - Replacement	A retrospective study on union and graft positioning of Arthrolatarjet .	Ongoing
12.	2016_Sept- AB-200	Dr. Ashish Babulkar	Joint - Replacement	Knot security and Tensile load to failure of Nice knot and standard surgical knot – a mechanical study	Ongoing
13.	2016_Sept- AN-201	Dr. Anupama Nadkarni	Pediatrics	Surveillance of viral pathogens causing respiratory infections	Ongoing



IN-HOUSE RESEARCH AT DMHRC – PROJECTS SUBMITTED FOR REVIEW BY SAC/IEC AND THEIR STATUS [N = 28] [CONTD.]

S. No.	DMHRC protocol code	Project investigator	Department (s)	Project title	Status as of March 31, 2017
14.	2016_NOV_NM_202	Dr. Namita Mahalle	Pathology	Obesity phenotyping using integrative approach	Pending funding and IEC approval
15.	IHR_2016_D EC_GG_203	Dr. Girish Godbole	Ob/Gyn and Research Department	A Study to Determine Prevalence of Group-B Streptococci (GBS) Colonization in Pregnant Women In Indian population	Ongoing
16.	2016_DEC_A G_204	Dr. Asha Gokhale	Ob/Gyn and Research Department	A retrospective study to assess role of Saline Infusion Sonohysterography (SIS) in the evaluation of etiology of post-menopausal bleeding	Ongoing
17.	2016_DEC_D K_205_C	Dr Dhananjay Kelkar	Oncology/ Oncosurgery	U1111-1188-1748: A Prospective observational clinical trial with case-control study design to test the prognostic ability of a proprietary diagnostic technology designed to capture and concentrate circulating tumor cells (CTCs) in blood samples of patients with various carcinomas – and it's use to predict progression free survival (PFS) and disease free survival (DFS). Acronym PROGCTC trial	Pending for DCGI clearance
18.	2017_JAN_S G_206	Dr Sachin Gandhi	ENT and Research Department	A Retrospective study of serotyping of human papilloma virus (HPV) in patients with laryngeal papillomatosis	Ongoing
19.	2017_JAN_A B_207	Dr. Ashish Babhulkar	Joint - Replacement	A Multicentre clinical study to evaluate the functional and X-ray results of the UNIC reverse shoulder arthroplasty with 2 years minimum follow up	Ongoing
20.	2017_JAN_A B_208	Dr. Ashish Babhulkar	Joint - Replacement	Double Cortical Sign – A diagnostic sign for Osseous defect of anterior glenoid rim	Ongoing
21.	2017_JAN_A B_209	Dr. Ashish Babhulkar	Joint - Replacement	CT scan Analysis of Coracoid process in Indians	Ongoing
22.	2017_JAN_S G_210	Dr Sachin Gandhi	ENT and Research Department	A Retrospective study to determine phonatory outcomes after endoscopic thyroarytenoid myoneurectomy in patients with adductor spasmodic dysphonia	Ongoing
23.	2017_JAN_A B_211	Dr. Ashish Babhulkar	Joint - Replacement	Effectiveness of Rotator Cuff recruitment on pain and functional activity in patients with Rotator Cuff pathologies	Ongoing
24.	2017_JAN_A B_212	Dr. Ashish Babhulkar	Joint - Replacement	A randomized controlled comparison of various stretching procedures for posterior shoulder capsule tightness	Ongoing



IN-HOUSE RESEARCH AT DMHRC – PROJECTS SUBMITTED FOR REVIEW BY SAC/IEC AND THEIR STATUS [N = 28] [CONTD.]

S. No.	DMHRC protocol code	Project investigator	Department (s)	Project title	Status as of March 31, 2017
25.	2017_JAN_A B_213	Dr. Ashish Babhulkar	Joint - Replacement	Prevalence of muscle strength asymmetry and muscle strength imbalance in three anterior musculature dominant sports (Boxing, wrestling and freestyle swimming) in comparison to Yoga	Ongoing
26.	2017_JAN_A B_214	Dr. Ashish Babhulkar	Joint - Replacement	Effectiveness of functional corrective exercise program on Functional Movement Screen (FMS) Test Score in semiprofessional freestyle swimmers	Ongoing
27.	2017_FEB_S G_215	Dr. Sachin Gandhi	ENT and Research Department	A Retrospective study to compare vocal outcomes after endoscopic CO2 laser cordectomy and radiotherapy in T1a and T1b glottic cancer.	Ongoing
28.	2017_FEB_S P_216	Dr. Sampada Patwardhan	Microbiology	Evaluation of the effect of Antibiotic Stewardship Program (ASP) on the incidence of Multi-Drug Resistant Organisms (MDROs) in ventilator associated pneumonia (VAP) in the intensive care unit, DMH – A Retrospective analysis.	Ongoing



IN-HOUSE RESEARCH AT DMHRC: CLOSED-OUT PROJECTS – [N =10]

S. No.	DMHRC Protocol Code	Project Investigator	Department (s)	Title
1.	NA	Dr. Anand Shinde	IVF – and Research Department	The pilot study to find out the prevalence of Metabolic Syndrome and Erectile Dysfunction.in young males with Infertility
2.	2015_APR_PP_169	Dr. Pradyumna Pairaiturkar	Orthopedics – and Research Department	Morphometric analysis of the safe working zone for transforaminal lumbar endoscopy by analyzing series of MRIs.
3.	NA	Dr. Utkrant Kurlekar	Surgery – and Research Department	A Comparative study of a Lightweight mesh or heavy weight mesh in open tension-free Inguinal Hernia Repair
4.	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 the Ponseti technique – A retrospective Study.
5.	NA	Dr. Mrinalini Moghe	Genetics	Studies on gene expression on CDC20, UBCH10, MAD and BUB in Karyotypically normal amniotic fluid
6.	2014_Jun_MM_155	Dr. Mrinalini Moghe	Genetics	Studies on mutation in spindle assembly checkpoint (SAC) genes in Aneuploid abortuses.
7.	2015_FEB_AN_165	Dr. Anupama Nadkarni	Pediatrics	Association of respiratory viruses with pneumonia among hospitalized children below 5 years of age in Pune.
8.	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.
9.	NA	Dr. Aratee Palsule	Ophthalmology – and Research Department	Quality of life in patients with Age-Related Macular Degeneration (ARMD)
10.	2016_Jun_VH_191	Dr Vishakha Haridas	Ob/Gyn – and Research Department	A retrospective study to assess characteristics and outcomes of lactational breast abscesses treated with needle aspiration.



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

A] TOTAL NUMBER OF PROJECTS REVIEWED [N= 21]

Ongoing	9
Pending	11
Rejected	1

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, EC review fees, final ICFs, CTRI notification, DCGI submission/ approval notification.

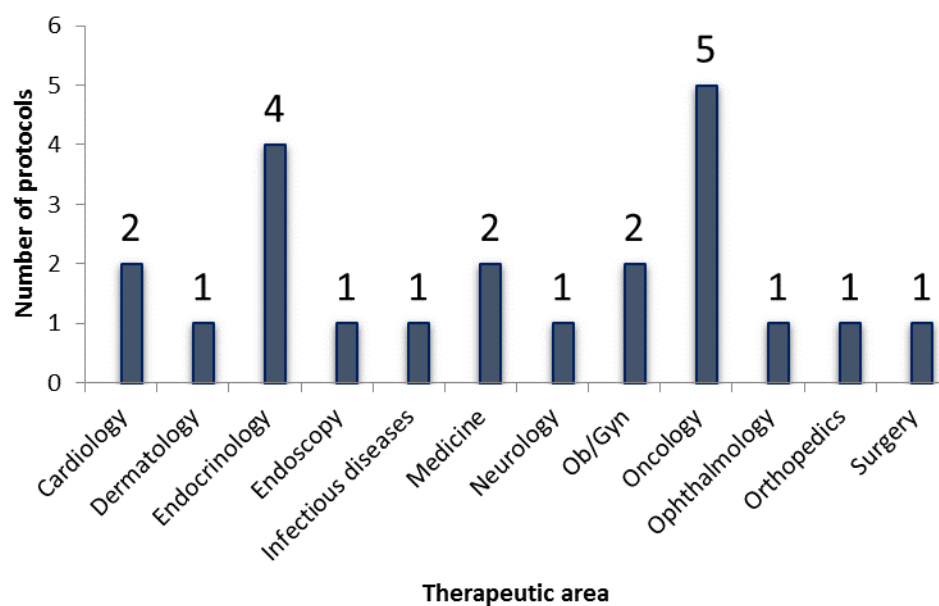
B] CLINICAL TRIAL RESEARCH AT DMHRC – STATUS OF CLINICAL TRIAL STUDIES – AND THEIR THERAPEUTIC AREAS: UPDATED AS OF MARCH 2017

Ongoing and inactive projects –

Total number of studies	N=	54
Studies having ongoing patient activities	N=	22
Inactive studies – formal close-out from sponsor awaited	N=	32



C] Therapeutic areas of ongoing projects – [N= 22]



D] CLINICAL TRIAL RESEARCH AT DMHRC – CLOSED-OUT PROJECTS AND THEIR THERAPEUTIC AREAS [N=7]

Therapeutic areas of closed-out projects –

- Oncology – 4
- Gastroenterology – 1
- Orthopedics – 1
- Endocrinology – 1



D_{NB} RESEARCH PROGRAM AT DMHRC – ONGOING PROJECTS

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
1.	Dr. Sagar More (Anesthesia)	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. Anata Hazarika (Anesthesia)	Dr. Bhagyashri Shivde	A randomized controlled study to evaluate efficacy of Nebulized ketamine in reducing the incidence and severity of postoperative sore throat
3.	Dr. Geetha B (Anesthesia)	Dr. Vinayak Desurkar	Randomised comparative study of two Different doses of intraarticular injection of Morphine with Bupivacaine for postoperative analgesia after knee arthroscopic surgery
4.	Dr. Parimal Pimpalkuthe (Anesthesia)	Dr. Swapna Naik	Randomized study to compare efficacy of propofol and dexmedetomidine with propofol alone in attenuation of hemodynamic pressor response to suspension laryngoscopy for microlaryngeal surgery
5.	Dr. Priyanka Bakshi (Anesthesia)	Dr. Malathi Panchawagh	“A randomized study to evaluate effects of low dose Dexmedetomidine infusion on intra-operative haemodynamic parameters and post-operative analgesic requirements and sedation levels in patients undergoing laparoscopic cholecystectomy
6.	Dr. Pooja Zatale (Anesthesia)	Dr. Prasanna Khare	Prospective randomised study to evaluate the effect of pre-warming in prevention of perioperative hypothermia in patients undergoing laparotomy under general anesthesia
7.	Dr. Korade Milind (Cardiology)	Dr. Shireesh Sathe	A retro-prospective study of echocardiographic assessment of patients with surgical repair of Tetralogy
8.	Dr. Arya S P (ENT)	Dr. Sachin Gandhi	A prospective study to evaluate voice outcomes after laser CO2 endoscopic thyroarytenoid myoneurectomy in adductor spasmodic dysphonia
9.	Dr. Bora Nikhil (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
10.	Dr. Dehadray Gaurav (Emergency Medicine)	Dr. Sonal Utpat	Prospective observational study of troponini results, in patients having non specific ECG changes
11.	Dr. Pande Avinash (Emergency Medicine)	Dr. Prasad Rajhans	Prospective observational study to compare analgesia in patients with fracture femur using femoral nerve block versus IV analgesia
12.	Dr. Shaikh Ejaj (Emergency Medicine)	Dr. Prasad Rajhans	The prospective observational study to measure door to Needle time and outcome in patients of stroke presenting within window period
13.	Dr. Sakthikirubananth (Emergency Medicine)	Dr. Sonal Utpat	A cross sectional study to determine Prevalence of causative micro-organisms in blood cultures from patients presenting to Emergency department with sepsis
14.	Dr. P. Jagadeesh (General Medicine)	Dr. Ramesh B. Kulkarni	An observational study of serial lactate trend in patients with shock admitted in intensive care units at tertiary care hospital”.
15.	Dr. Haran Kamlakar (General Surgery)	Dr. Dhananjay Kelkar	An observational study to determine the utility of FDG-PET/CT in the staging of breast cancer
16.	Dr. Sampat Divya (General Surgery)	Dr. Shreedhar Kanitkar	A Retrospective Observational Study of Abdominal Wall Closure Techniques and their related Complications following Laparotomy
17.	Dr. Patel Chetankumar (Ob/Gyn)	Dr. Anuradha Wakankar	To determine correlation between calculated fetal birth weight by Johnson’s formula and baby’s actual birth weight in women delivering at term. : An observational study



DNB RESEARCH PROGRAM AT DMHRC – ONGOING PROJECTS [CONTD.]

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
18.	Dr. Soniya Ankush (Ophthalmology)	Dr. Madhav Bhat	Prospective study to compare central macular thickness and visual outcome in patients with and without uveitis undergoing phacoemulsification
19.	Dr. Salvi Rajashree (Ophthalmology)	Dr. Aratee Palsule	A prospective comparative study of visual outcome and macular thickness changes in patients with diabetic macular edema undergoing treatment with either anti vascular endothelial growth factors or laser photocoagulation
20.	Dr. Chaitrali Somani (Ophthalmology)	Dr. Roopali Nerlikar	Prospective comparative study of Refractive outcomes of phacoemulsification cataract surgery with placement of incision along the steep axis and standard superior incision irrespective of location of steep axis in patients with preoperative astigmatism > 0.5 diopters
21.	Dr. Jain Bhavik Vijaykumar (Ophthalmology)	Dr. Shrikant Joshi.	A prospective observational study of visual patients with vascular retinopathy undergoing treatment with anti- Vascular Endothelial Growth Factor (anti-VEGF)
22.	Dr. Vinay Kumar (Orthopaedics)	Dr. Ranjit Deshmukh	A prospective study to compare early postoperative outcomes in patients undergoing total knee replacement with or without drain
23.	Dr. Ranjeet Yadavrao (Orthopaedics)	Dr. Vijay Panchanadikar	Observational study of Functional outcomes of all patients having Subtrochanteric femur fractures treated with surgery in all adults patients
24.	Dr. Amit Kumar (Pediatrics)	Dr. Rajan Joshi	A comparative study to compare the effect of volume guarantee ventilation and pressure limited ventilation on required duration of ventilation in preterm infants
25.	Dr. Lingayat Nitin (Pediatrics)	Dr. Arati Rajhans	Prospective Comparative Study of effect of oil massage on Growth of preterm babies.
26.	Dr. Dimpy Waghela (Pediatrics)	Dr. Suneel Godbole	Cross-sectional Study of Neurodevelopment Outcome on Bayley Scale of Infant Development (BSID), at 24 months of Corrected Age of High Risk Neonates
27.	Dr. Naveen Sangurmth (Pediatrics)	Dr. Sumit Pitkar	Observational study showing Role of Ketogenic diet in controlling the seizure frequency in childhood refractory epilepsy
28.	Dr. Jadhav Rashmi (Pathology)	Dr. Mahesh Mandolkar	A retro-prospective study to compare the HER2/neu status by 2013 and 2007 ASCO/CAP guidelines by using IHC and FISH in breast cancer patients
29.	Dr. Pratiksha Nawal (Pathology)	Dr. Sujit Joshi	A retrospective study to determine the prognostic significance of tumor infiltrating lymphocytes (TILs) in oral cavity squamous cell carcinomas
30.	Dr. Mane Akhil (Urology)	Dr. Subodh Shivde	A prospective observational study to determine the incidence of and risk factors for stricture urethra following endoscopic prostate surgery
31.	Dr. Nikita Brajkishore (Ob/Gyn)	Dr. Girish Godbole	A Prospective Observational study to determine sensitivity of a new comprehensive score for diagnosis of IUGR (Intrauterine growth restriction) in women between 28 to 34 weeks of gestation
32.	Dr. Sureka Saurabh (Ob/Gyn)	Dr. Asha Gokhale	A Retro-prospective Observational Study to assess and compare preoperative diagnostic value of four RMI in patients with Adnexal masses
33.	Dr. Kakadiya Kishan (Ob/Gyn)	Dr. Anuradha Wakankar	An observational study to determine the correlation between episiotomy characteristics (length, angle and distance from posterior fourchette to starting point of episiotomy) and episiotomy extensions particularly OASIS (obstetric anal sphincter injuries)





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

Sr. No	Name of the Student (Department)	Name of the Guide	Title of Thesis Protocol
34.	Dr. Megha Gupta (Ob/Gyn)	Dr. Pratibha Kulkarni	An observational study of etiological classification of patients with abnormal uterine bleeding according to PALM-COEIN system
35.	Dr. Archana Bhadikar (Ophthalmology)	Dr. Shrikant Joshi	Prospective comparative study to determine the incidence or progression of cystoid macular oedema after uneventful Phacoemulsification cataract surgery in diabetic and non-diabetic patients





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. Siddhesh Mhatre (Anaesthesiology)	Dr. Manjiri Ranade	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
2.	Dr. Rahul Mahadik (Cardiac)	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
3.	Dr. Suvojit Ghosh (ENT)	Dr. Sachin Gandhi	A retrospective study on clinical application of digital Videolaryngostroboscopy in diagnosis of early glottic carcinoma
4.	Dr. Patel Sanket (Emergency Medicine)	Dr. Bhagyashri Bhurke	An observational study of outcomes of cardiac arrest occurring in hospitalised patients
5.	Dr. Padashala Jaydip (Emergency Medicine)	Dr. Prasad Rajhans	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. Mahale Priyanka (Emergency Medicine)	Dr. Sonal Utpat	A study of 30 day outcome of selected patients presenting to emergency department with raised arterial lactate levels
7.	Dr. Joshirao Rama (Family Medicine)	Dr. Chandrashekhar Gadre	An observational study of comorbidity profile of geriatric patients admitted with falls.
8.	Dr. Deshmukh Vinit (Family Medicine)	Dr. Atul Deshpande	A Prospective study of clinical profile of Hypertensive emergencies
9.	Dr. Johann Varghese (Medicine)	Dr. Pratibha Phadke	Prospective Observational Study of the Proportion of Women with Gestational Diabetes developing Overt Diabetes during follow up
10.	Dr. Zope Aarti (Medicine)	Dr. Sanjeev Mangrulkar	A prospective observational study to assess the effect of chemotherapeutic agents on cardiac function
11.	Dr. Tamsekar Hrushikesh (Medicine)	Dr. Vijay Amritkar	A prospective study to determine prognostic value of two serial troponin T and single CK-MB levels in patients with acute coronary syndrome with underlying chronic kidney disease
12.	Dr. Tummi Murali (General Surgery)	Dr. Shridhar Kanitkar	A prospective study to compare outcomes of conventional surgical approach and Minimally invasive approaches (Endo venous laser ablation or Radio frequency ablation) in the treatment of varicose veins
13.	Dr. Upadhye Apoorva (General Surgery)	Dr. Jitendra Deuskar	A retrospective study to compare stage at presentation and outcome of right and left colon cancers
14.	Dr. Pallavi Biradar (Ob/Gyn)	Dr. Asha Gokhale	A study of utility of amniocentesis in 320 Singleton pregnancies at Deenanath Mangeshkar Hospital and Research Centre, Pune
15.	Dr. Gore Nilesa (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
16.	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
17.	Dr. Niharika Arya (Ophthalmology)	Dr. Madhav Bhat	A Cross Sectional Observational Study to Evaluate the Prevalence of Ocular Surface Disease in Glaucomatous Patients Using Antiglaucoma Drugs
18.	Dr. Sneha Melmane (Ophthalmology)	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.
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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
19.	Dr. Bharti Shivnani (Ophthalmology)	Dr. Aratee Palsule	A randomised study to compare the effects of two different viscoelastic substances used during phacoemulsification on corneal endothelium
20.	Dr. Sanghvi Kaushal (Ophthalmology)	Dr. Roopali Nerlikar	Changes in Intraocular Pressure after Nd:YAG Capsulotomy and its Correlation with amount of Laser Power used
21.	Dr. Shah Hardik (Orthopedics)	Dr. Milind Modak	A prospective comparative study to determine Functional outcomes following Arthroscopic Anterior Cruciate Ligament reconstruction using Anatomical Full Tibial Tunnel Technique and Anatomical All-Inside Technique
22.	Dr. Mayank Pratap (Orthopedics)	Dr. Vijay Panchanadikar	Retro-prospective comparative study of functional outcomes of closed humeral shaft fractures treated using nailing or plating
23.	Dr. Bhujbal Tejas (Pediatrics)	Dr. Arti Rajhans	Cross sectional study of Correlation between Transcutaneous Bilirubin Levels and Total Serum Bilirubin Levels in Preterm neonates
24.	Dr. Yagnik Kinjalben Jagdishkumar (Pediatrics)	Dr. Rajan Joshi	Correlation between the Neurobehavioral Assessment for Preterm Infant (NAPI) test with Morgan's Neonatal Neurobehavioral examination (MNNE) scale
25.	Dr. Pinaki Dutta (Pediatrics)	Dr. Suneel Godbole	A cross-sectional study to compare prevalence of sensory processing disorders in autism spectrum disorder children and typically developed children in the age group 2-6 years
26.	Dr. Shivani Bajpai (Pediatrics)	Dr. Sumit Pitkar	A Comparative Study to assess the Efficacy of T Piece Resuscitator and Self Inflating Bags for providing Positive Pressure Ventilation during neonatal resuscitation
27.	Dr. Saraf Pallavi (Pathology)	Dr. Mahesh Mandolkar	Utility of MIB-1 (Ki-67) Labeling Index in grading of Urothelial tumors
28.	Dr. Galiya Dharmeshkumar (Pathology)	Dr. Ashwini Kulkarni	A cross sectional study to determine correlation between elastography and liver enzymes in patients of non-alcoholic fatty liver disease





DEENANATH MANGESHKAR HOSPITAL AND RESEARCH CENTRE,

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