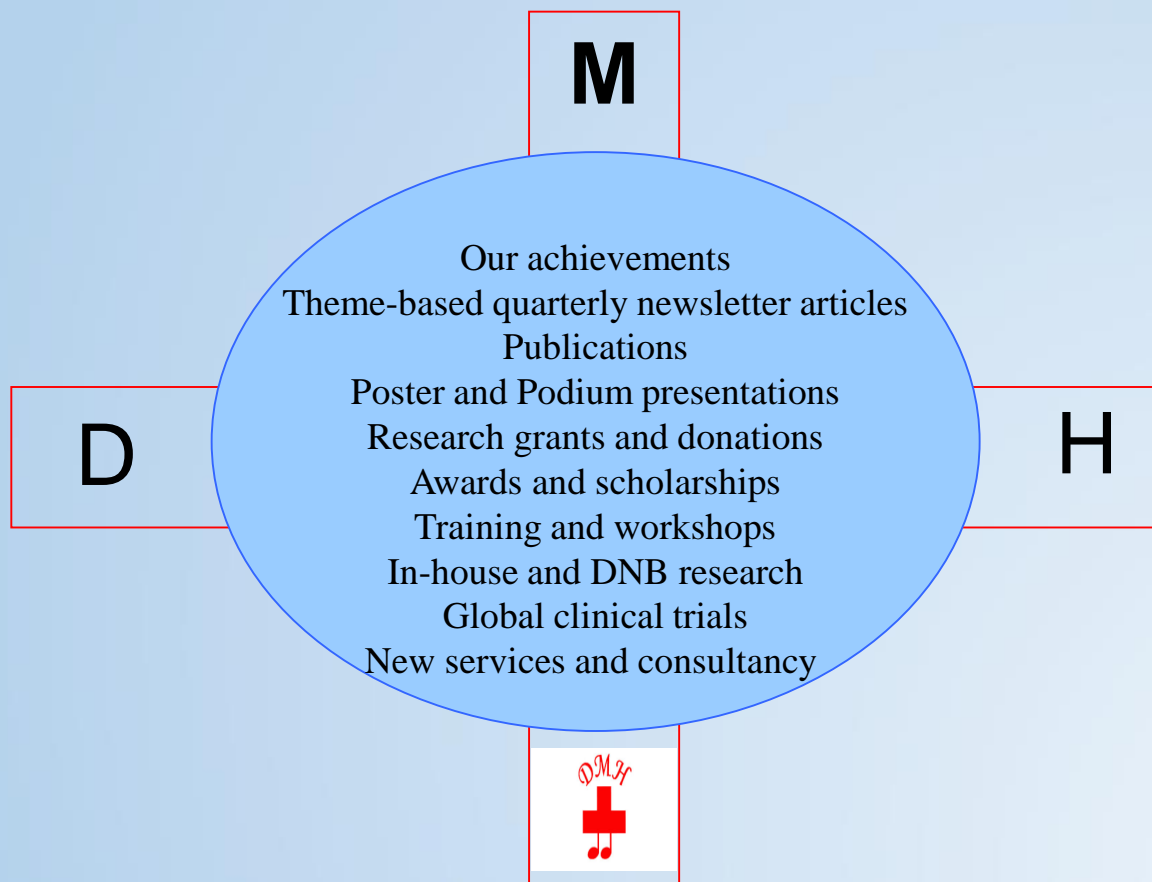




Annual Report - April 2014 to March 2015

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





Our Achievements

- Phase II building of DMHRC was inaugurated on November 01, 2013
Various super-specialty services have been initiated in *Phase I and II* of DMHRC: please see section – *additional services at DMHRC*
- Full accreditation by Maharashtra Medical Council (MMC) for conducting CME programs/ Workshops/Conferences (Feb 2014 to Jan 2019)
- SIRO registration renewal has been granted for 3 years from DSIR, Delhi.
(April 2014 to March 2017)
- Obtained CDSCO (DCGI, Delhi) registration for DMHRC Institutional Ethics Committee for 3 years [March 2013 to March 2016; Registration No : ECR/15/Inst/Maha/2013].
*The DMHRC Ethics committee is **NOT** an independent EC.*





2014 (Theme: Cancer biology, risk – and personalized medicine)

[By – Dr. VV Pethe, Dr. AM Dastane and Dr. DS Kelkar]

- **Volume 3 (1), January – April**

Genetic screening for hereditary cancers: Genetic counseling and genetic testing may prove beneficial for cancer patients - and clinically healthy individuals

- **Volume 3 (2), May – August**

Basics of Head and Neck cancers (HNC): What you don't know about HNC – (but should)

- **Volume 3 (3), Sept – December**

Basics of Lung Cancer: What you don't know - but should

2015 (Theme: Patient safety)

[By – Dr. ND Khambete]

- **Volume 4(1), January – April**

Patient safety needs the urgent attention of all healthcare professionals



No.	Title of Paper	Authors	Journal Name	Date of publication	Department (DMHRC)
1	The 2014 Academic College of Emergency Experts in India's INDO-US Joint Working Group (JWG) White Paper on "Developing Trauma Sciences and Injury Care in India".	Pal R, Agarwal A, Galwankar S, Swaroop M, Stawicki SP, Rajaram L, Paladino L, Aggarwal P, Bhoi S, Dwivedi S, Menon G, Misra M, Kalra O, Singh A, Radjou AN, Joshi A.	Int J Crit Illn Injury Sci.	Apr-14	Medical Administration
2	Relationship of lipid parameters with bone mineral density in Indian population.	M. K. Garg, Raman K. Marwaha, Nikhil Tandon, Kuntal Bhadra, N. Mahalle	Indian Journal of Endocrinology and Metabolism	May-14	Pathology
3	Mutations in the Human UBR1 Gene and the Associated Phenotypic Spectrum.	Maja Sukalo, Ariane Fiedler, Celina Guzmán, Stephanie Spranger, Marie-Claude Addor, Jiad N. Mcheik, Koumudi Godbole , et al	Human Mutation	May-14	Pedi-gen

No.	Title of Paper	Authors	Journal Name	Date of publication	Department (DMHRC)
4	Vocal outcome after endoscopic thyroarytenoid myoneurectomy in patients with adductor spasmodic dysphonia.	Gandhi S, Remacle M, Mishra P, Desai V.	Eur Arch Otorhinolaryngol	Jun-14	ENT
5	Innovative Bridging of the Rural-Urban Divide: Comparison of Scope, Safety, and Impact of Collaborative Rural Surgery Camps and an Urban Surgical Program.	Belle JM, Bang RA, Kelkar D , Ostbye T, Lagoo-Deenadayalan SA.	World J Surg	Jul-14	Surgery
6	Association of dietary factors with insulin resistance and inflammatory markers in subjects with diabetes mellitus and coronary artery disease in Indian population.	Mahalle N , Kulkarni MV, Naik SS , Garg MK.	J Diabetes Complications.	Jul-14	Pathology
7	Knowledge and Attitude about Growing up Changes: An Intervention Study.	Deshmukh Vaishali R, Kulkarni Aditi A, Apte Sarang S	Pediatric Oncall	Jul-14	Pediatrics

No.	Title of Paper	Authors	Journal Name	Date of publication	Department (DMHRC)
8	Collection enhancement by means citation analysis: A case study of hospital library.	SP Deshpande	International Journal of Information Sources and Services	July-Aug 2014	Library
9	FERMT1 promoter mutations in patients with Kindler syndrome.	Has C, Chmel N, Levati L, Neri I, Sonnenwald T, Pigors M, Godbole K, Dudhbhate A , et al	Clin Genet	Aug-14	Pedi-Gen
10	Endoscopic anterior fundoplication with the Medigus Ultrasonic Surgical Endostapler (MUSE™) for gastroesophageal reflux disease: 6-month results from a multi-center prospective trial.	Johannes Zacherl, Aviel Roy-Shapira, Luigi Bonavina, Amol Bapaye , et al	Surg Endosc	Aug-14	Gastroenterology

No.	Title of Paper	Authors	Journal Name	Date of publication	Department (DMHRC)
11	Whole-mitochondrial genome sequencing in primary open angle glaucoma using massively parallel sequencing identifies novel and known pathogenic variants.	Periasamy Sundaresan, David A. Simpson, Chitra Sambare, Seamus Duffy, Judith Lechner, Aditi Dastane , et al	Genetics in Medicine	Sep-14	Ophthalmology
12	Association of metabolic syndrome with severity of coronary artery disease.	Namita Mahalle , M. K. Garg, Sadanand S. Naik , Mohan V. Kulkarni	Indian J Endocrinol Metab	Sep-14	Pathology
13	Association of Inflammatory Cytokines with Traditional and Nontraditional Cardiovascular Risk Factors in Indians with known Coronary Artery Disease.	Mahalle N , Garg M, Kulkarni M, Naik S.	Ann Med Health Sci Res.	Sep-14	Pathology
14	Tolvaptan.	B Rangarajan, V Binoy, SS Hingmire , V Noronha	South Asian J Cancer	Oct-14	Oncology
15	H syndrome-Four new patients from India.	Molho-Pessach V, Varma M, Godbole K , Kamath N, Zlotogorski A.	Indian J Dermatol Venereol Leprol.	Nov-14	Pedi-Gen

No.	Title of Paper	Authors	Journal Name	Date of publication	Department (DMHRC)
16	Role of fetal autopsy as a complementary tool to prenatal ultrasound.	Godbole K, Bhide V , Nerune S, Kulkarni A, Moghe M , Kanade A.	J Matern Fetal and Neonatal Med.	Nov-14	Pedi-Gen
17	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	Journal of Trauma & Orthopaedics	Dec-14	Orthopedics
18	Prospective long-term study of patency and outcomes of 505 arteriovenous fistulas in patients with chronic renal failure: Authors experience and review of literature.	Sahasrabudhe P, Dighe T , Panse N, Deshpande S, Jadhav A, Londhe S.	Indian J Plast Surgery	Dec-14	Plastic surgery
19	New fully covered large-bore wide-flare removable metal stent for drainage of pancreatic fluid collections: Results of a multicenter study.	Bapaye A , Itoi T, Kongkam P, Dubale N, Mukai S.	Dig Endoscopy	Dec-14	Gastroenterology

No.	Title of Paper	Authors	Journal Name	Date of publication	Department (DMHRC)
20	Inter- and intra-observer reliability of measurement of pedicle screw breach assessed by postoperative CT scans.	Lavelle WF, Ranade A , Samdani AF, et al	Int J Spine Surgery	Dec-14	Orthopedics
21	Validity of Marathi Translated kidney disease quality of life short form (KDQOL-SF)TM	Veena Joshi,, Atul Mulay, Tushar Dighe , Tarun Jeloka, Varada Biwalkar	Journal of Evidence Based Medicine Healthcare	Jan-15	Research
22	Intraocular juvenile xanthogranuloma masquerading as conjunctivitis in an adult.	Ramesh Murthy, Aratee Palsule, Sujit Joshi, Madhav Bhatt	Journal of clinical ophthalmology and research	Jan-15	Ophthalmology
23	Endoscopic anterior fundoplication with the Medigus Ultrasonic Surgical Endostapler (MUSE™) for gastroesophageal reflux disease: 6-month results from a multi-center prospective trial.	Zacherl J, Roy-Shapira A, Bonavina L, Bapaye A , et al	Surgical Endoscopy	Jan-15	Gastroenterology

No.	Title of Paper	Authors	Journal Name	Date of publication	Department (DMHRC)
24	Modern Techniques in Spine Surgery (Publication of a Book)	Arvind Bhawe	Jaypee: The Health Sciences Publisher	Feb-15	Spine
25	Endoscopic ultrasonography using new functions for pancreatobiliary diseases: Current status and future perspective.	Katanuma A, Isayama H, Bapaye A.	Dig Endosc	Feb-15	Gastroenterology
26	Surgical treatment of glottic cancer: retrospective analysis of 192 cases in a multidisciplinary tertiary care centre in Pune, India	DS Kelkar, SS Gandhi, GA Oka	The Journal of Laryngology & Otology	Feb-15	Surgery
27	Open-label observational study to assess the efficacy and safety of aprepitant for chemotherapy-induced nausea and vomiting prophylaxis in Indian patients receiving chemotherapy with highly emetogenic chemotherapy/moderately emetogenic chemotherapy regimens	Hingmire S and Raut N	South Asian J Cancer	Jan-Mar2015	Oncology



No.	Title of Paper	Authors	Journal Name	Date of publication	Department (DMHRC)
28	Trans-oral anterior fundoplication: 5-year follow-up of pilot study.	Roy-Shapira A, Bapaye A , Date S , Pujari R , Dorwat S .	Surgical Endoscopy	Mar-15	Gastroenterology
29	Comparison of body composition between professional sportswomen and apparently healthy age- and sex-matched controls.	Marwaha RK, Garg MK, Tandon N, Mahalle N .	Ind J Endocri metabolism	Apr-15	Pathology





Poster and
Podium
presentations

SR NO	PRESENTATION TITLE	AUTHORS AND CONTRIBUTORS	EVENT INFO
1	A study of nutritional factors and its relation with insulin resistance and inflammatory markers in patients with coronary artery disease in Indian population. (Poster Presentation)	Dr. Namita Parikshit Mahalle	6th Africa Nutritional Epidemiology Conference Accra, Ghana; 21 – 25 July 2014
2	Cataract Surgery in Uveitis Patients. (Poster Presentation)	<u>Dr. Shweta Marathe</u> , Dr. Nidhi Kaushal, Dr. Aratee Palsule, Dr. Nilesh Uplenchwar and Mrs. Aditi Kulkarni	Annual Conference of Maharashtra Ophthalmological Society, MOSCON XXXIV; Solapur ;10- 12 th October 2014.
3	To Study The Enucleated Eyeballs (From Eye Bank) Rejected Due To Septicemia And Malignancy, For Microbiological And Histopathological Evidence Of Sepsis Or Malignancy. (Podium Presentation)	<u>Dr Sameer G Datar</u> and Mrs. Aditi Kulkarni	Annual Conference of Maharashtra Ophthalmological Society, MOSCON XXXIV; Solapur; 10- 12 th October 2014.





Poster and
Podium
presentations

SR NO	PRESENTATION TITLE	AUTHORS AND CONTRIBUTORS	EVENT INFO
4	Assessment of microvessel density in young (< 40 years) and old patients with colorectal cancer. (Podium Presentation)	<u>Dr Chetan Dilip Deshmukh</u> , Dr Sujit Joshi, Dr Sachin Sharadchandra Hingmire, Dr Sheetal Patil, Dr Dhananjay Kelkar	ASCO Annual Meeting 2014.
5	The role of meiotic gene abnormality in the onset of aneuploidy and pregnancy loss. (Podium Presentation)	<u>Abhishek Chowdhury</u> , Mrinalini Moghe , Somsubhra Nath, Pijush Das, Girish Godbole , Koumudi Godbole , Manisha Doiphode and Susanta Roychoudhury	40th Annual conference of Indian Society of Human Genetics (ISHG) Mumbai; 28-30 January 2015.
6	To Study the Enucleated Eyeballs (From Eye Bank) Rejected Due To Septicemia and Malignancy, For Microbiological and Histopathological Evidence of Sepsis or Malignancy. (Podium Presentation)	<u>Dr Sameer G Datar</u> and Mrs. Aditi Kulkarni	1.3rd Annual Conference of AIOS, New Delhi; February 5 – 8, 2015.





National and International Research Grants

Dr. S. Naik [Department of Pathology, Division of Clinical Biochemistry, DMHRC]
received DBT-Denmark joint proposal Grant for study entitled:

“Identification of a suitable milk-derived product, the consumption of which could prevent Vitamin B12 deficiency” [IMPROVIT] Jan 12, 2015





Donations for in-house research at DMHRC

TATA TOYO RADIATOR LIMITED, Pune contributed INR 2,00, 000 to support and enhance patient-centered biomedical and clinical research endeavors at DMHRC

[Formal letter of their contribution addressed to Medical Director, DMHRC – Dr. Dhananjay S. Kelkar – March 31, 2015]





National and International Awards, Fellowships and Scholarships



Dr. Namita Parikshit Mahalle

Dr. C. Sita Devi award for best paper entitled - "Vitamin B12-deficiency is associated with Dyslipidemia, Insulin Resistance and Inflammatory markers in Indians with CAD (Coronary Artery Disease)", 41st Association of Clinical Biochemists of India Conference, 10-13 December, 2014, AIIMS, Jodhpur

Dr. Ramesh Murthy

- First Prize in POS Mrs Shubhada Narayan Kulkarni Quiz competition: 7th Annual Conference of the Poona Ophthalmological Society: 27th -28th December 2014, Pune.
- Best Academic Private Practitioner Award: MOSCON meeting, 10-12 October 2014, Solapur.
- Best Case Award: Minimally invasive surgery for optic nerve sheath meningioma Poona Ophthalmological Society, 31st March 2014, Pune.





National and International Awards, Fellowships and Scholarships



- Maximum number of cases Award - Pune Ophthalmological Society, 31st March 2014, Pune
- “Honorary Fellow of All India Collegium of Ophthalmology in oculoplastic surgery”: at AIOC 2014, 6th February 2014, Agra.
- Prof. Kamlesh, award for best paper entitled: “Surgical Nomogram for the management of strabismus fixus”: Annual Conference of the Strabismological Society of India and Paediatric Ophthalmology Update. 18th Dec 2014, Pushker, Rajasthan.

Dr. Ashish Babhulkar

Gold Medal for paper entitled: “Bony Morphology of Shoulder- Indian Cadaver study of 66 Shoulders”: Shoulder Elbow Conference 2015, Delhi.





New advisory committee at DMHRC – June 2014

- Scientific Advisory Committee for Stem Cell Research was formed with 3 subject experts included.





Training and workshops conducted by Research Department:
Organized by Mrs Aditi Kulkarni and Dr. Gauri Oak
[In-house research]



No.	Date	Event Name	Speaker Name
1.	19/10/2014	Research Methodology: Workshop	Dr. Anita Kar (Ph.D., Cytogenetics)
2	04/01/2015	Research Methodology: Workshop	Dr. Anita Kar (Ph.D., Cytogenetics)
3	15/02/2015	Why community doctors should do research?: Guest Lecture	Dr. Shantanu Patil (MS, Orthopaedics)
4	01/03/2015	Basic Biostatistics for clinicians: Workshop	Dr. Kannan Sridharan (MD Pharmacology, PG Diploma in Biostatistics)





Training and workshops conducted by Research Department:
[Global clinical trials]

No.	Date	Topic of training/workshop	Speaker/organized by
1.	16/12/2014	"Recent updates in regulatory guidelines with special focus on AVC"	Mr. Saurabh Naik, Quintiles
2	19/03/2015	Updates from CDSA workshop (Feb 11-12, 2015) - "Current Regulatory Requirements for Members of Institutional Ethics Committee - An Awareness Program"	Dr. Vaijayanti V. Pethe (Ph.D., Biochemistry)





Monitoring of in-house and clinical trial research projects
conducted by Research Department [Apr 2014 to March 2015]

IHR projects - N = 5

Global clinical trials - N = 5





DNB thesis ongoing projects [April 2014 to March 2015]

**DNB
thesis**

Sr. No	Name of the Student	Name of the Guide	Co- Guide	Title of Thesis Protocols
1	Dr. Patil Rohit Dinesh	Dr. Manjiri Ranade	Dr. Rijuta Kashyapi	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	Dr. Bhagyashree Shivde	Dr. Swapna Naik	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	Dr. Jitendra Kshirsagar	Dr. Prasanna Khare /Dr . Nilesh Juvekar	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	Dr. Vinayak Desurkar	Dr. Rijuta Kashyapi	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. Jadhav Nilesh Sharad	Dr. Shireesh Sathe	Dr. Rajesh Dhopeswarkar	"A Prospective Study of Comparison of Functional Class and Clinical Characteristics of Patients with Left Ventricular Systolic Dysfunction With and Without Pulmonary Hypertension"
6	Dr. Pawar Sheshrao Balwant	Dr. Satej Janorkar	Dr. Rajesh Dhopeswarkar	"Effect of the CHA2DS2-VASc Score on Anticoagulation Recommendations instead of CHADS2 for patients of non valvular Atrial Fibrillation - with six months follow up"
7	Dr. Neeharika Gunturu	Dr. Siddharth Chaudri	Dr. Mihir Suryawanshi	Evaluation of Turbinoplasty in isolated inferior turbinate hypertrophy & in Allergic rhinitis With hypertrophy
8	Dr. Vishwa Vijetha S K	Dr. Sachin Gandhi	Dr. Vikram Oak	Swallowing Evaluation In Patients With Bilateral Immobile Vocal Folds After Laser Posterior Corpectomy
9	Dr. Arjita Sharda	Dr. Siddharth Choudhari	Dr. Suryavanshi Mihir	Comparative Study Between Endoscopic And Microscopic Tympanoplasty
10	Dr. Khatri Piyush Bandu	Dr. Gapchup Rashmi	DR.Usha Pratap	"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)."

All projects must be approved by DMHRC IEC - and are carried out under strict regulation and Ethical guidelines





DNB thesis ongoing projects [April 2014 to March 2015]

Sr. No	Name of the Student	Name of the Guide	Name of the Co-Guide	Title of Thesis Protocols
11	Dr. Bodke Omprakash Laxmanrao	Dr. Chandrashekhar Gadre	Dr. Manisha Deshmukh	A Prospective study of comparison of lipid profile in hypertensive and normotensive subjects in tertiary care hospital
12	Dr. Kurup Radhika Ravindran	Dr. Atul Deshpande	NA	Effect of Dysglycemia on outcome of Cerebrovascular accidents
13	Dr. Gajendra Dattatray Deshpande	Dr. Atul Deshpande	Dr. Vijay Amrutkar	A Prospective study of comparison of lipid profile in smokers and Non smokers
14	Dr. Dombe Shailesh Shankarrao	Dr. Chandrashekhar Gadre	NA	A Prospective study of comparison of lipid profile in fasting versus non-fasting subjects in tertiary care hospital
15	Dr. Pawar Mahesh Dilip	Dr. Rashmi Gupdhup	Dr. Shilpa Kalane	How To Progress Oral Feeding In Preterm Infants
16	Dr. Pradhan Nikhil	Dr. Vaishali Deshmukh	Dr. Sameer Jog	Systemic complications of Dengue fever – A comparative study of two outbreaks- 2009 and 2014
17	Dr. Dengle Ajit Balasaheb	Dr. N. N. Bapat	NA	“Study of Clinical Profile of Acute Myocardial Infarction in Young”
18	Dr. Mulchandani Jaikumar Darshan	Dr. R. B. Kulkarni	NA	“Study of hospitalized patients of Venous Thrombosis”
19	Dr. Gandhi Ashish Rajendra	Dr. R. B. Kulkarni	Dr. Sucheta Iyer	Prospective study of Coagulation parameters in septicemic patients
20	Dr. More Sunil Ankush	Dr. N. N. Bapat	Dr. Pratibha Phadke	To study the role of eosinopenia as a marker in early diagnosis of enteric fever

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DNB thesis ongoing projects [April 2014 to March 2015]

Sr. No	Name of the Student	Name of the Guide	Name of the Co-Guide	Title of Thesis Protocols
21	Dr. Sane Pratik Sudhir	Dr. Amritkar Vijay	Dr. Amit Walimbe	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
22	Dr. Nemade Mitesh Janardhan	Dr. D. S. Kelkar	NA	Comparative study of surgical outcomes of total thyroidectomy versus hemithyroidectomy for low risk well differentiated thyroid cancer
23	Dr. Barot Parth Vinod	Dr. Kanitkar Shridhar	Dr. Deuskar Jitendra	An Observational Study To Compare The Outcome Of Early Vs Delayed Cholecystectomy Done For Acute Cholecystitis
24	Dr. Parmar Bhaveshkumar Dhirubhai	Dr. Asha Gokhale	Dr. Arundhati Kanade	"To evaluate efficacy of Hysterosonography in causes of bleeding in Perimenopausal and Postmenopausal Women"
25	Dr. Shah Darpita Bhupendra Kumar	Dr. Anuradha Wakankar	Dr. Sumit Pitkar	"Study of postdated Pregnancy and its Maternal and early Neonatal Outcome"
26	Dr. Patel Tusharkumar Babulal	Dr. Pratibha Kulkarni	Dr. Arundhati Kanade	Comparative Evaluation of 50mcg oral misoprostol and 25mcg intravaginal misoprostol for induction of labour more than 37 completed weeks of gestation.
27	Dr. Patil Amita Shabsikant	Dr. Anuradha Wakankar	Dr. Vinaya Maiskar	"Effects of prepregnancy BMI & weight gain during pregnancy on duration of pregnancy and fetomaternal outcomes"

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DNB thesis ongoing projects [April 2014 to March 2015]

**DNB
thesis**

Sr. No	Name of the Student	Name of the Guide	Name of the Co-Guide	Title of Thesis Protocols
28	Dr. Marathe Shweta Ujwal	Dr. Aratee Palsule	Dr. Ketan Jathar	To study the Prevalence and Pattern of Age Related Macular Degeneration
29	Dr. Deepak Rajinder Singh Gupta	Dr Roopali Nerlikar	Dr. Nilesh Uplenchwar	Cross sectional, Case control study of Corneal endothelial cell morphology on specular microscopy in patients with primary glaucoma versus non glaucoma patients
30	Dr. Chaudhari Bhushan Vishwas	Dr. Madhav J. Bhat	Dr. Aratee Palsule	Prospective observational study to evaluate effect of uncomplicated cataract surgery on central macular thickness assessed with Optical Coherence Tomography
31	Dr. Jande Vaidehi Yashwant	Dr. Aratee Palsule	Dr. Shripad Pujari	"Cross sectional observational study to compare the of role of optical coherence tomography and visual evoked potential in acute inflammatory optic neuritis"
32	Dr. Pardeshi Rajeshwari Umakant	Dr. Roopali Nerlikar	Dr. Nilesh Uplenchwar	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"
33	Dr. Gunja Chowdhury	Dr. Madhav bhat	Dr. Aniruddha Joshi	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
34	Dr. Ghalke Rishikesh Subhash	Dr. Milind Modak	Dr. Vijay Panchnadikar	"To compare the outcomes of fractures of Distal end of humerus treated with Locking Compression Plates versus those treated with Non Locking Plates"
35	Dr. Rajguru Vikram Ashok	Dr. Milind Modak	Dr. Mahesh Mone	Do Radiographic parameters predict Functional Outcome in Distal end Radius Fracture?

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DNB thesis ongoing projects [April 2014 to March 2015]

Sr. No	Name of the Student	Name of the Guide	Name of the Co-Guide	Title of Thesis Protocols
36	Dr. Birole Umesh Vasant	Dr. Vijay Panchanadikar	Dr. Ashish Babhulkar	To Study Mortality Rate in Operated Elderly Patients of Fracture Neck of Femur
37	Dr. Shah Dipen Pankajbhai	Dr. Sumeet Pitkar	Dr. Arti Rajhans	A Prospective comparative study of early Neonatal morbidities and Mortalities between late preterm and term neonates in tertiary care Hospital
38	Dr. Baglane Shriram Janardhan	Dr. Suneel Godbole	Dr. Rajan Joshi	A Prospective study to evaluate the predictive ability of Amiel-Tison angles to assess the motor development in preterm babies
39	Dr. Bandewar Sandip Prabhakar	Dr. Rajan Joshi	Dr. Arti Rajhans / Dr. Sampada Patwardhan	A Prospective study to evaluate Procalcitonin Vs C-Reactive Protein and Immature to Total Neutrophil ratio in Suspected Neonatal Sepsis
40	Dr. Rupali	Dr. Sumeet Pitkar	Dr. Vishnu Biradar	Prospective Comparative Study of Polyethylene Glycol and Lactitol in treatment of Chronic Childhood Constipation
41	Dr. Bhavsar Sumit Gulabrao	Dr. Suneel Godbole	Dr. Rajan Joshi	Effects of Kangaroo Mother Care on Oxygen therapy in premature babies in NICU
42	Dr. Biyani Kinjal	Dr. Mahesh Mandolkar	Dr. Kaustubh Dindorkar	Utility of MIB-1 (ki-67) Labeling Index in Grading of Meningiomas
43	Dr. Sonali Ramesh Thakare	Dr. Aruna Chandorkar	Dr. Vinay Kulkarni	Histopathological spectrum of Hansen's disease in a tertiary care centre

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**DNB thesis ongoing projects [April 2014 to March 2015]**

Sr. No	Name of the Student	Name of the Guide	Name of the Co-Guide	Title of Thesis Protocols
44	Dr. Vidushi Sachdeva	Dr. Mahesh Mandolkar	Dr. SACHIN HINGMIRE	Evaluation Of Microsatellite Instability (Msi) In Colonic Cancers
45	Dr. Manthan Vinodkumar Kathrotiya	Dr. Sujit Joshi	Dr. Ravibhushan Godbole / Dr. Sameer Melinkeri	Utility Of Immature Platelet Fraction(Ipf) In Predicting Bone Marrow Recovery After Myelosuppressive Therapy And Bone Marrow Transplant
46	Dr. Jaiswal Shriyesh Subhash	Dr. Ashwini Kulkarni	Dr. Pranjali Advant / Dr. Kaustubh Narsinghpura	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
47	Dr. Rashmi Kotkar	Dr. Ashwini Kulkarni	Dr. Aniruddha Joshi / Dr. Sameer Jog	Assessment of ARDS with lung sonography and correlation with severity of ARDS
48	Dr. Patel Kaustubh Babubhai	Dr. Subodh Shivde	NA	"Evaluation and follow up of patients of renal calyceal stone with Retrograde intrarenal surgery, Extracorporeal shockwave lithotripsy and Observation"
49	Dr. Ram Naresh Daga	Dr. Subodh R. Shivde	Dr. Jaydeep Date	High Versus Low frequency Holmium Laser Lithotripsy: A prospective randomised study in patients undergoing ureteric calculus management
50	Dr. Deshpande Shraddha Sanjay	Dr. Parag Sahasrabudhe	NA	"Analysis of Brachio-basilic Fistula by new technique as Vascular access for hemodialysis."

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DNB thesis ongoing projects [April 2014 to March 2015]

**DNB
thesis**

Sr. No	Name of the Student	Name of the Guide	Name of the Co-Guide	Title of Thesis Protocols
51	Dr. Jesal Rathod	Dr. Parimal Kulkarni	Dr. Nikhil Agarkhedkar	Comparative Study of Collagen Dressing Vs Antiseptic Tulle Dressing For Split Thickness Skin Graft Donor Site Dressing
52	Dr. Idage Anuja Bhaskar	Dr. Jitendra Kshirsagar	Dr. Prasanna Khare	A prospective study of comparison of Intravenous Lignocaine and Intravenous Diltiazem to attenuate the cardiovascular responses to Laryngoscopy and endotracheal intubation in controlled essential hypertensives
53	Dr. Jami Biswanatha Senapatii	Dr. Malathi Panchawagh	Dr. Prasanna Khare	Usefulness of oxygraphy as a tool for early detection of spontaneous respiratory attempts,during recovery from muscle relaxant in patients undergoing spine surgery in comparison to Capnography and Train Of Four – A prospective observational study.
54	Dr. Khandke Koustubh	Dr. Sachin Gandhi	NA	To Evaluate Voice Quality after Laser Cordectomy in Early Glottic Carcinoma[Type 1a and 1b]
55	Dr. Balakrishna T V	Dr. Vaishali R. Deshmukh	Dr. Anuradha Wakankar	Factors influencing the early initiation of breast feeding- A prospective observational study at a tertiary care hospital
56	Dr. Katore Pramod Shivaji	Dr. Sanjeev Mangrulkar	Dr. Ashwini Joshi	A retrospective study to test utility of Electrocardiographic stress test as a screening test for coronary artery disease.
57	Dr. Ranjeesh V	Dr. S. V. Kanitkar	NA	A Prospective comparative study of Needle aspiration vs Incision & drainage of lactational Breast abscess
58	Dr. Nikumbh Tejas Nimba	Dr. Dhananjay Kelkar	Dr. Utkrant Kurlekar	A Comparative study of Lightweight mesh vs. Heavyweight mesh in Open Tension-Free Inguinal Hernia Repair
59	Dr. Shah Nirvi Kalapi	Dr. Asha Gokhale	Dr. Arundhati Kanade	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)

All projects must be approved by DMHRC IEC - and are carried out under strict regulation and Ethical guidelines





**DNB
thesis**

DNB thesis ongoing projects [April 2014 to March 2015]

Sr. No	Name of the Student	Name of the Guide	Name of the Co- Guide	Title of Thesis Protocols
60	Dr. Fernandes Socorita	Dr. Asha Gokhale.	Dr. Mamta Dighe	Evaluation of vaginal fluid Beta HCG level for diagnosis of premature rupture of membranes.
61	Dr. Kanakdhar Shubhada Hemant	Dr. Girish Godbole	Dr. Narendra Gurjar	"Prospective study of evaluation of acceptance feasibility and expulsion rate of immediate postpartum intrauterine device insertion"
62	Dr. Shubham Shukla	Dr. Srikant .D. Joshi	Dr. N. Uplenchwar	"Prospective Observational Study Comparing The Repeatability & Reproducibility of Central Corneal Thickness measurement by Non-Contact Specular Microscope & Ultrasound Pachymeter in healthy Subjects aged between 20-40yrs".
63	Dr. Naik Sonia Madhav	Dr. Arti Rajhans	Dr. Swapnil Shah	A study to compare the analgesic effect of Non Nutritive sucking with placebo versus Non Nutritive sucking with 24% sucrose on Venepuncture in neonates
64	Dr. Namrata Singh	Dr. Sujit Joshi	Dr. Ravibhushan Godbole / Dr. Sameer Jog	Utility of new WBC Parameter-Immature Granulocyte Percentage (IG%) obtained from automated hematology analyzer in prediction of sepsis
65	Dr. Deshmukh Shamal Hanumant	Dr. Vijayashri Bhide	Dr. Vishnu Biradar	Clinico-pathologic study of Pediatric Liver Disease

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**DNB thesis: Projects accepted by NBE - [April 2014 to March 2015]**

Sr. No.	Name of the Student	Name of the Guide	Name of the Co- Guide	Title of Thesis
1	Dr. Desai Tushar Muljibhai	Dr. Ashwini Kulkarni	Dr. Pranjali Advant	"USG evaluation of thyroid nodules"
2	Dr. Sikachi Rutuja Rajnikant	Dr. Manjiri Ranade	Dr. Rijuta Kashyapi	"The Effects of Single Shot Femoral-Sciatic block versus Femoral-Sciatic block plus Continuous Femoral Nerve Block on Postoperative pain and Rehabilitation following Unilateral Total Knee Arthroplasty"
3	Dr. Vyavahare Sameer	Dr. Malathi Panchawagh	Dr. Prasanna Khare	'Comparison of intravenous Fentanyl and Tramadol for prevention of cough during Emergence in elective craniotomies'
4	Dr. Adate Pritee Avinash	Dr. Bhagyashi Shivde	Dr. Swapna Naik	"Comparative study of Palonosetron and Ondansetron in preventing post operative Nausea and Vomiting in Gynaecological Laparoscopic surgeries over period of 24 hours"
5	Dr. Rakhee	Dr. Desurkar Vinayak	Dr. Malthi Panchawagh	To study effectiveness of Pregabalin in reducing acute post-operative pain after mastectomy.
6	Dr. Gagan Deep	Dr. Rashmi Gapchup	NA	Clinical Spectrum including Investigations and Treatment profile of children presenting with features of Community Acquired Pneumonia between age group 1-5 years in tertiary care Hospital.
7	Dr. Sneha Khawase (Bande buche)	Dr. Amit Walimbe	NA	A study of clinical profile and outcome analysis of patients with Diabetic Ketoacidosis in a tertiary care hospital.
8	Dr. Kanak Raju Gangaram	Dr. Atul Deshpande	NA	Aetiological spectrum and clinical profile of pancytopenia in a tertiary care hospital.
9	Dr. Sarang Ravindra Kokate	Dr. Rashmi Gapchup	NA	"Comparison of Transcutaneous Bilirubin with total serum Bilirubin in newborns"

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**DNB thesis: Projects accepted by NBE - [April 2014 to March 2015]**

Sr. No.	Name of the Student	Name of the Guide	Name of the Co- Guide	Title of Thesis
10	Dr. Sujata Vivek Rege	Dr. Chandrashekhar Gadre	NA	"Aetiological spectrum and clinical profile of anaemia in elderly admitted patients"
11	Dr. Apte Sarang Shrikrishna	Dr. Vaishali R. Deshmukh	NA	"Profile of patients attending Paediatric Emergency Room"
12	Dr. P L V N SAIRAM	Dr. Vijay Amrutkar	NA	Study of QT Dispersion in patients with Acute Myocardial Infarction Treated With Various Modalities
13	Dr. Sibal Varun Satish	Dr. Sanjeev Mangrulkar	NA	"Analysis of Causes of Acutely Altered Mental Status in Patients presenting to the Emergency Department of Deenanath Mangeshkar Hospital"
14	Dr. Kamate Ramit Raosaheb	Dr. Pratibha Kulkarni	Dr. Arundhati Kanade	"Maternal and early neonatal outcome in pregnancies complicated with Premature Rupture of Membranes (PROM) at term"
15	Dr. Madhu Ashokrao Patil	Dr. Anuradha Wakankar	Dr. Vinaya Maiskar	Maternal and neonatal outcome of Gestational diabetes mellitus in Deenanath Mangeshkar Hospital and Research Centre, Pune
16	Dr. Thorat Vaibhav Khandu	Dr. S. D. Joshi & Dr. Sameer Datar	NA	Contributory factors in development of posterior capsular opacification studied in our tertiary centre.
17	Dr. Mahamunkar Nutan Pratap	Dr. Aarti Palsule & Dr. Vinay Kiulkarni	NA	"Comparative study of ocular manifestations of TB in patients with and without HIV coinfection"
18	Dr. Raut Anand Madhukar	Dr. Roopali Nerlikar	NA	"Impact of cataract surgery on vision related and health related quality of life"

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DNB thesis: Projects accepted by NBE - [April 2014 to March 2015]

Sr. No.	Name of the Student	Name of the Guide	Name of the Co- Guide	Title of Thesis
19	Dr. Surana Abhinandan	Dr. Madhav Bhat	NA	"Study of Changes in the tear film after Cataract surgery"
20	Dr. Sudame Omkar Shekhar	Dr. Ranjit Deshmukh	Dr. Ashish Ranade	"Role of pirani scoring system for evaluating treatment of congenital talipes equinovarus with ponseti technique"
21	Dr. Bawage Sangamesh Shivshankar	Dr., Suneel Godbole	Dr. Rajan Joshi	To Evaluate Benefits of Human milk bank in terms of growth by Anthropometric Assessment of Preterm infant in tertiary care hospital
22	Dr. Patil Sunil Chandrashekhar	Dr. Sumit Pitkar	Dr. Shailesh Kanvinde	Correlation of Serum Procalcitonin and C- reactive protein levels with blood culture in paediatric patients with febrile neutropenia.
23	Dr. Piyush Basantkumar Jaiswal	Dr., Rajan Joshi	Dr. Swapnil Shah	Changing pattern of bacterial isolates and their Antibiotic Sensitivity in Neonatal Septicaemia in a tertiary care NICU
24	Dr. Wankar Priyanka Hansraj	Dr. Arti Rajhans	Dr. Anupama Nadkarni	Performance of PRISM score (pediatric risk of mortality) in PICU of a tertiary care centre.
25	Dr. Meha Mansi	Dr. Sujit Joshi	Dr. Yogesh Panchawagh	"Study of histopathological response to neoadjuvant chemotherapy in primary bone sarcomas and its correlation with survival"

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DNB thesis: Projects accepted by NBE - [April 2014 to March 2015]

Sr. No.	Name of the Student	Name of the Guide	Name of the Co- Guide	Title of Thesis
26	Dr. Patel Kunjal Ramanbhai	Dr. Mahesh Mandorkar	Dr. Ravibhushan Godbole	"Morphological and immunophenotypic evaluation of Acute Leukemia"
27	Dr. Pradnya Vasant Manglekar	Dr. Vijayshri Bhide	Dr. Shefali Purandare/ Dr. Amol Bapaye	"Clinicopathologic Study of Neuroendocrine Tumors of Digestive System"
28	Dr. Khairnar Prashant Laxman	Dr. Subodh Shivde	Dr. Jaydeep Date	Study of patients undergoing Percutaneous Nephrolithotomy: Outcome Measurements
29	Dr. Imran Mir	Dr. Subodh Shivde	Dr. Rajesh Shrotri	"A Prospective study of surgical treatment with Endoscopic techniques in cases of Bladder Outlet Obstruction due to Benign Prostatic Hyperplasia, its outcome and evaluation"
30	Dr. Amit Ashok Jadhav	Dr. Parag Sahasrabudhe	NA	Diagnosis and Management of sternal dehiscence after median sternotomy with reference to plastic surgical procedure
31	Dr. Londhe Sheetal Suresh	Dr. Kaustubh Prabhune	Dr. Parag Sahasrabudhe	Comparative study of surgical options in treatment of sacrococcygeal pilonidal sinus disease in the form of:- 1) Excision and healing by secondary intention 2) Excision and primary closure 3) Excision and reconstructive with local flap

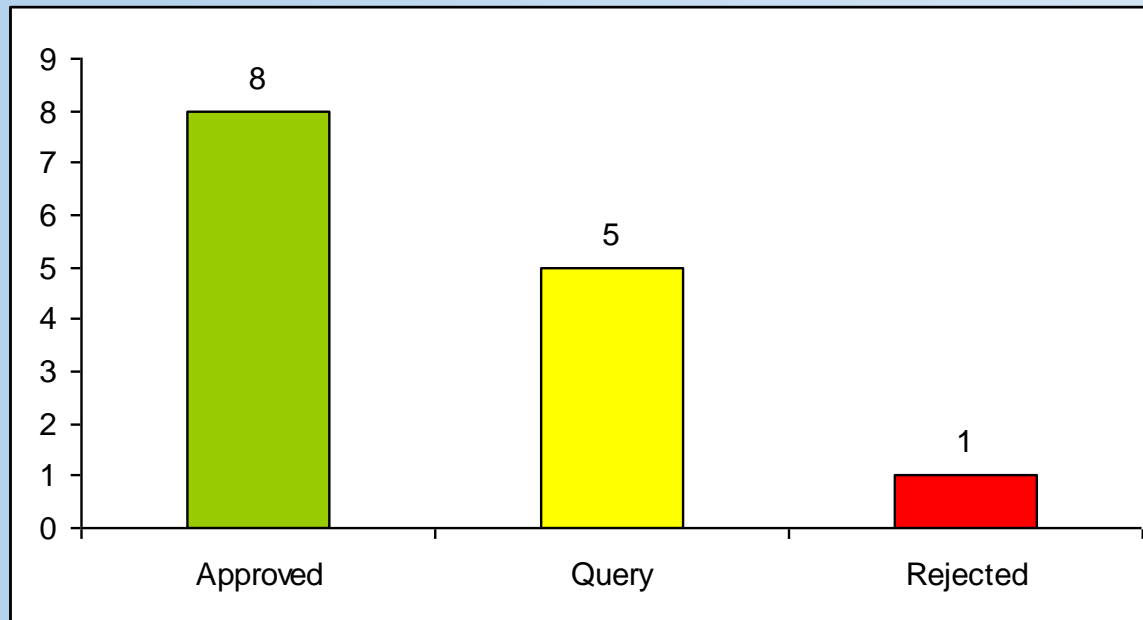
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In- house Research [IHR] projects

IHR Protocols submitted for IEC review and their status
[April 2014 to March 2015 - N=14]

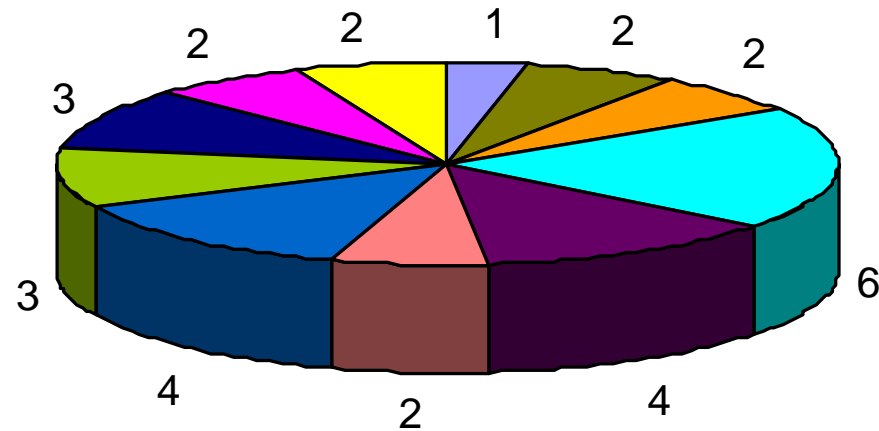


All projects must be approved by DMHRC IEC - and are carried out under strict regulation and Ethical guidelines

In- house research (IHR) projects : Status of all IHR projects as updated in April 2015 :
Distribution by discipline/therapeutic area



Ongoing IHR Projects From Jan 2008 to April 2015 [N= 31]



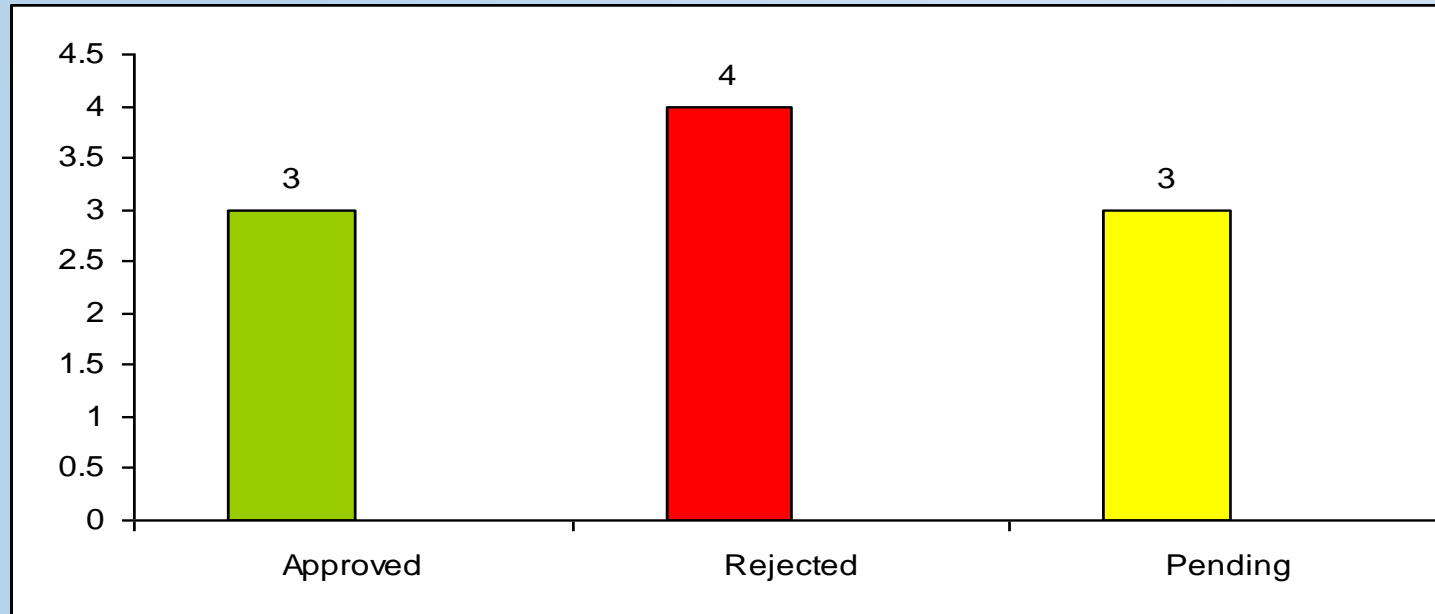
 Dentistry	 Endoscopy	 ENT	 Genetics
 Orthopedic	 Medicine	 Oncology	 Ophthalmology
 Pathology	 Peadiatric	 Surgery	

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Sponsored Global Clinical Trials at DMHRC

April 2014 To March 2015 [N=10]



The reason for pending or rejected protocols was non-compliance with most current regulatory guidelines

All projects must be approved by DMHRC IEC - and are carried out under strict regulation and Ethical guidelines





Status of all Sponsored Clinical trials
as updated in April 2015

Status	N
Total Ongoing studies	67
Studies having ongoing patient activities [Active studies]	22
Studies having no patient activity (ies) - but formal close-out is awaited from sponsors	45

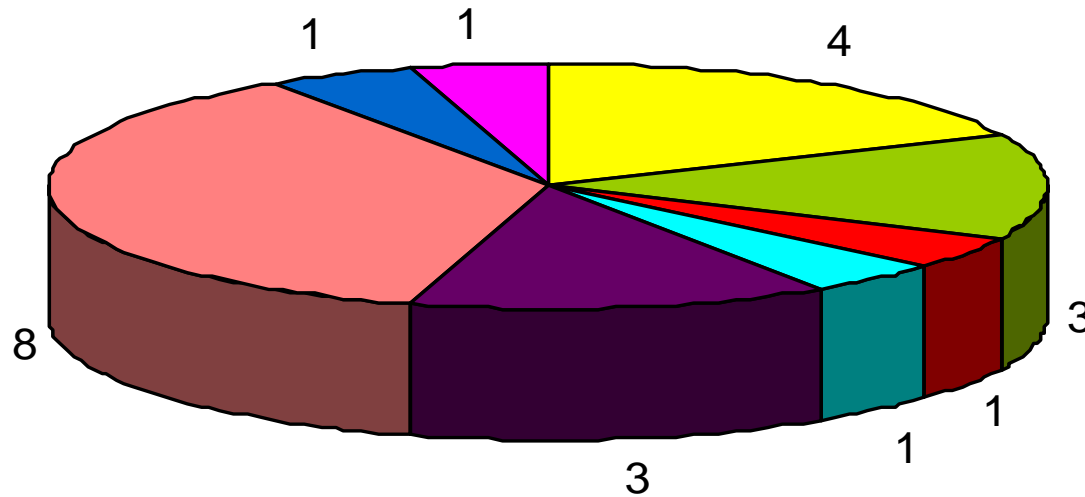
All projects must be approved by DMHRC IEC - and are carried out under strict regulation and Ethical guidelines





Sponsored Global Clinical Trials at DMHRC Distribution by discipline/therapeutic area

Active Studies [N = 22]



Cardiology	Endocrinology	Gynecology	Medicine
Neurology	Oncology	Psychiatry	Rheumatology

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Research and genetic counseling services at DMHRC



Cancer Genetic Counseling service is being provided from January 2014

- Statistical analysis service and guidance for individual DMHRC consultants - and DNB students is available from Research Department on an appointment basis.
- Research project related advice - and hiring project-specific personnel from Research Department





Additional Services at DMHRC - Phase I and II

New Service	Date of Inauguration	Inaugurated by
Shivanand Desai Center for Digestive Disorders [Phase II]	12 th October 2014	Hon. Dr. Prakash Amte and Dr. Manda Amte
Chetan Dattaji Gaikwad Dialysis Center [Phase II]	12 th November 2014	Hon. Nana Patekar
Padmashree S.M. Alias Annasaheb Beharay Advanced Wound Care Clinic [Phase I]	16 th November 2014	Dr. Vinayak Shrikhande
Morris Autism and Child Development Center [Phase I]	8 th March 2015	Hon.Asha Bhosle





List of departments re-located to Phase II of DMHRC

Department of Pathology	Department of Nuclear Medicine
Department of Chest Medicine	Department of Cardiology
Department of Rheumatology	Department of Urology
Department of Infectious Disease	Department of Neurology
Department of Endocrinology	Department of Gastroenterology
Department of Spine	In-Vitro Fertilization (IVF) Center
Department of Shoulder and Sport Injury	Neonates Intensive care unit [NICU]
Department Of Radiology	Intensive care unit [ICU]
Voice clinic	Operation Theaters and ORs
Department of Joint Replacement	Department of Engineering and Biomedical
Department of Plastic Surgery	Computer department and Network Engineering
Department of Physiotherapy	Blood Bank





Research Department - An update from the Department Head

DMHRC is a super-specialty consultative tertiary-care hospital with its own Research Department to encourage and initiate in-house basic and translational research projects as well as sponsored clinical trial protocols related to a battery of human anomalies and diseases. Various health-related projects have been completed from DMHRC - and data has been published in peer reviewed journals since its inception in 2001. The Phase II building of DMHRC was inaugurated in November of 2013 – and we have since then initiated a battery of super-specialty services (please see section – additional services at DMHRC) as well as continued our research endeavors beyond the Phase I plan.

We continue to maintain 3 main arms of the research under which biomedical/health research is initiated, coordinated and implemented.

● **SPONSORED CLINICAL TRIALS:**

The first arm focuses on conducting national and sponsored/global Clinical Trials, which include studies related to a battery of human metabolic, physiological and chronic conditions including cancer. The sponsor invited trials are first assessed for feasibility by the Physicians/Clinicians at DMHRC. The relevant protocols are then reviewed by Scientific Advisory Committee (SAC) of DMHRC - and are allowed to be implemented only after the approval of Institutional Ethics Committee of DMHRC.





As per the regulatory requirements, the Institutional Ethics Committee of DMHRC has been registered with DCGI, Central Drugs Standard Control Organization (CDSCO).
(*DCGI Registration No.: ECR/15/Inst/Maha/2013*)

● **IN-HOUSE RESEARCH PROJECTS:**

The second major arm of the Research Department is to encourage and invite in-house basic and translational research projects in diverse areas. The investigator- initiated projects are first reviewed by biomedical and scientific experts of In-house research Scientific Advisory Committee (IHR-SAC) and are implemented only after the approval of IRB of DMHRC. These investigations usually have the basic objective of describing and quantifying disease problems and of examining correlation, if any, between serological, tissue biomarkers, underlying conditions - with disease etiology, diagnosis, progression, prognosis and patient outcome. We continue our research endeavors in areas below:

Cataract and Uveitis, Respiratory infections, Gastro-intestinal conditions, management of patients in ICU, Cytogenetic studies for assessing pre-natal conditions and anomalies, Maternal and Child health related issues, Renal, Musculo-skeletal disorders. Epidemiological studies/surveys are also undertaken, when appropriate.





● RESEARCH PROJECTS UNDERTAKEN UNDER DNB PROGRAM:

The third arm of the institute includes investigator-initiated projects undertaken by DNB (Diplomate of National Board) students under the supervision of investigators of DMHRC. We have ~ 25-30 students enrolled in the DNB program annually. After successful completion of the project(s), DNB degree is awarded by the National Board of Examinations (NBE)- an autonomous academic body under the Ministry of Health and Family Welfare, Government of India.

Biomedical or health research projects carried out under all the above three arms are subject to approval by DMHRC Ethics Committee.

For questions or concerns, please contact – research@dmhospital.org; iec@dmhospital.org

Sd/ -----

Dr Vaijayanti V. Pethe

Assistant Director

Department of Research

Deenanath Mangeshkar Hospital and Research Center

Pune, Maharashtra, India

www.dmhospital.org

“Leading the way to the future of personalized medicine through meticulous health research - and best practices at DMHRC”





Annual Report - April 2014 to March 2015

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

