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Editor

Dr. Rajesh Dere

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LOKSTAR

2015

Archives of
STAFF & RESEARCH SOCIETY

LOKMANYA TILAK MUNICIPAL MEDICAL COLLEGE
AND GENERAL HOSPITAL,
SION, MUMBAI - 400 022.

Editor :
DR. RAJESH DERE

Co-editor :
DR. HEMANT KUKDE

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Dean's Message 



Dear friends,

Yet another Silver Jubilee year is behind us now! As an institute and public health provider we have grown and flourished. What started years ago, as a small hospital in a military barrack, is today, glories institute of repute all across the state and country. Our strength lies in a team of highly qualified and experienced faculty, which not only excels in its respective field, but also nurtures within it, a sincere concern for community health. Time and again we have proved our worth to the society, by able management of patients in times of calamities like bomb blasts, deluges, and Holi color toxicity.

Whether it is winning best paper awards in Conferences or holding Workshops with International Faculty, laurels and awards are being bestowed upon us, from all quarters. Our students are even being selected to present scientific papers at the national level.

Yet, we must keep in mind, that in a progressive country, change is the only constant. Medical science is ever advancing and evolving, not only in the field of technology, but also in concepts regarding fundamentals of diseases and their management. It is mandatory, that we keep ourselves updated with these recent advances and I urge all of you to come forward with more research and scientific proposals. I assure you that you will receive all the assistance required, from the Staff and Research Society. I sincerely believe that as you grow in your career, the Institute will grow with you, and ultimately it will contribute to the growth of the nation.

We have a lot to look forward to for the year ahead. New OPD building and Medico-legal complex was commissioned. Started Wi-Fi neonatal unit. Our Institution is to be developed as a Specialized Center of Excellence for Trauma Care & Emergency Services. Other branches such as operative rehabilitation for trauma patients, plastic surgery and cardiology will also be expanded and augmented. Once again, we will have to work hard, and diligently to make this project a time-bound success.

I take this opportunity to personally congratulate all of you on your achievements and hope that you will inspire your colleagues to come forth and accelerate the scientific growth in this glorious Institute of ours!

Dr. Suleman Marchant

Dean, LTMMC & LTMGH.

*President – Staff & Research Society,
LTMMC & LTMGH.*

Editorial

Respected senior faculty members and dear colleagues.

It is my proud privilege to present before you the Archives of Lokstar 2015. In this year 2015, institute (LTMMC & LTMGH) had progressed by leaps and bounds besides achieving greater heights in academic and research activities.

This year 2015 was fifty first year for the hospital and had multiple academic and cultural activities organized by various departments under the able leadership of Head of our Institution.

It was challenging task for compilation of data and to present it in a prescribed format. This was achieved with the able guidance of Dean Dr. Suleman Marchant, all the members of the Executive Committee of Staff Research Society. This should have not been able in that without active support of Mr.Achrekar, Mrs. Flora D'Cunha, Mrs. Sonali and ArvindLakhan of SRS.

I am thankful to all those HOD's for their timely cooperation to segregate the data for this Lokstar 2015.

Dr. Rajesh Dere
Editor, 2015.

INSTITUTIONAL ETHICS COMMITTEE HUMAN RESEARCH SOCIETY

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DEPARTMENT OF ANAESTHESIOLOGY

Achievements/ Awards/Fellowship/Positions/Orations

Dr. Bharati Tendolkar

1. Professor & Head of the department,
2. EMS Co-Ordinator, LTMGH
3. Chairperson, CPR committee, Dept. of Anaesthesiology, LTMMC
4. Member of CVTS Departmental Development Fund Committee, LTMGH
5. Member - EMS DDF, Organising Chairman of CME 'Cardiac Anaesthesia- Basics and Beyond' held on 28th Sept 2013

Dr. Anila Malde

1. Inspector by Medical Council of India for Assessment of standard of examination and other teaching facilities available at Madras Medical College, Chennai for purpose of recognition of MD (Anaesthesia) course 27-04-2013
2. Inspector by Medical Council of India for Assessment of the physical and the other teaching facilities available at Belgaum Institute of Medical Sciences, Belgaum for Starting of 03 seats of MD - Anaesthesiology course on 25-11-13.
3. Inspector by Medical Council of India for Assessment of the physical and the other teaching facilities available at Cochin Medical College, Kochi for Starting 04 seats of MD - Anaesthesiology course on 29-11-13.
4. Theory Examiner of MD examination of Maharashtra University of Health Sciences, May/ June 2013 batch.
5. External Examiner of Oncoanaesthesia Fellowship examination of Homi Bhabha National Institute (Deemed university), July 2013, batch at Tata Memorial Hospital, Mumbai.
6. Internal examiner for MUHS 2012-13 batch, LTMMC Postdoctoral fellowship course in Paediatric Anaesthesiology.
7. Online Paperset MODERATOR for Second B.P.M.T. (Perfusion) November 2013 batch
8. Online Paperset MODERATOR for Second B.P.M.T. (Perfusion) May/June 2014 batch.
9. Treasurer CPR committee
10. Member of Postgraduate academic cell at LTMMC
11. Reviewer for Indian Journal of Anaesthesia
12. Organising secretary for CPR workshops on. 07 & 08-03-13--MUHS interns, 99 MUHS interns
13. Reviewer for Indian Journal of Anaesthesia - year 2012, 2013, 2014
14. Member for Committee at LTMMC & LTMGH for NABH accreditation.
15. Reviewer for "Bulletin on Adverse drug Reaction"

Dr. Amala Kudalkar

1. Member, CPR committee, Dept. of Anaesthesiology, LTMMC – In-charge Pain Clinic, LTMGH

Dr. Hemangi Karnik

1. Convener of Practical Examinations of MD and DA by Maharashtra University of Health Sciences, May/June 2013 batch.
2. Member, Institutional Ethics Committee- Human Research, LTM Medical College, Sion, Mumbai.
3. Member, Library Committee, LTM Medical College, Sion, Mumbai.
4. Organising Secretary, CPR Workshops, Dept. of Anaesthesiology, LTMMC, Mumbai
5. Organizing Secretary & moderator of panel discussion for Neuroanaesthesia Forum meet on 'Neurotrauma', LTMMC, Mumbai, 3rd March 2012
6. Practical Examiner for MD & DA at SP University, Karamsad, Gujarat, June 2013.
7. Co-ordinator for Neuroanaesthesia Forum (NAF)- Mumbai Symposium on 'Coagulation Problems in Neuroanaesthesia' held on 28th November 2013, held at LTMMC.
Reviewer for 'Journal of Neuroanaesthesia & Critical Care'

Dr. Naina Dalvi

1. Organising Secretary of CME 'Cardiac Anaesthesia- Basics and Beyond' held on 28th Sept 2013.
2. Center-in charge for theory exams (afternoon session) for BAMS by MUHS.
MCI inspection at Shri B M Patil Medical College, Hospital and Research Centre for Increase of seats in MD - Anaesthesiology course under BLDE University, Bijapur, Karnataka on 19th No, 2013

Dr. Aparna Nerurkar

- Custodian for MUHS UG theory examinations – CAP in charge for Superspeciality theory by MUHS

Dr. Devangi Parikh

- Custodian for MUHS UG theory examinations

Dr. Manish Kotwani

PDCC in 'Paediatric Anaesthesia' from LTMMC & LTMGH, Mumbai in August 2013

Dr. Nazmeen Sayed

- PDCC in 'Paediatric Anaesthesia' from GSMC & KEMH, Mumbai in August 2013

Dr. Smita Gaikwad

- PDCC in 'Paediatric Anaesthesia' from LTMMC & LTMGH, Mumbai in August 2013

Scientific Programmes organised by Department.

- CPR Workshop for MUHS Interns 7th & 9th March 2013
- CME on: Cardiac Anaesthesia-Basics & Beyond 21st September 2013
- CPR Workshop for PG students 14th October 2013
- Symposium on 'Coagulation Problems in Neuroanaesthesia' 28th November 2013

Guest Lectures in conferences/Workshop/CME/Seminars:

Dr. Anila D. Malde

- Anaesthesia for Patient"with ESRD for Renal Transplant" Anaesthesia Review course- 2013,Tata Hospital, Mumbai, 29-31st March 2013
- "Anaesthesia for Elderly Patient with AF for Hip Fracture" Anaesthesia Review course- 2013,Tata Hospital, Mumbai, 29-31st March 2013
- Advanced Cardiac Life Support CPR workshop, on 07-03-13 for MUHS interns, Mumbai
- Arrhythmias CPR workshop, on 07-03-13 for MUHS interns, Mumbai
- Neonatal Emergencies" Topics in Paediatric Anaesthesia-Paed. Lect. Series, 5-6th April 2013
- Anaesthetic Implications of Paediatric Laparoscopy" CME, on 2nd June 2013 Organized by Dept. of Anaesthesiology Global Hospital, College of Physicians and Surgeons of Mumbai & ISA Mumbai branch at CPS auditorium Parel, Mumbai
- "Anaesthesia Machine part II: Breathing Circuits, Anaesthesia Ventilators, Scavenging" 46th Annual Conference of Indian Society of Anaesthesiologists, Gujarat State Branch (GISACON 2013), Vadodara, 19th & 20th October 2013
- OSA in Children: Case Scenario" 46th Annual Conference of Indian Society of Anaesthesiologists, Gujarat State Branch (GISACON 2013), Vadodara, 19th & 20th October 2013
- "Knowing Your Anaesthesia Machine: Does It Matter?" World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013
- Paediatric Lung Isolation" Workshop on "Lung Isolation" on 6th -7th December 2013 in "TMC National conference on Difficult Airway" held on 6th - 8th December 2013 at TMH, Mumbai.

Dr. Amala Kudalkar

- Anaesthetic management of a patient for laparoscopic cholecystectomy
- Anaesthesia Review course- 2013,Tata Hospital, Mumbai, 29-31st March 2013
- Abdominal Compartment Syndrome-What an anaesthetist should know? World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013
- Difficult airway in obstetric patients Difficult Airway Conference, Tata Memorial Hospital, Mumbai. 6-8th December 2013
- Perioperative Arrhythmias CME on Cardiac Anaesthesia - Basics and Beyond, LTMMC, Mumbai, 21st September, 2013

Dr. Hemangi Karnik

- "Oxygen Therapy for Head Injured Patient" Annual National conference of Indian Society of Neuroanaesthesiologists and Critical Care, Varanasi, 9-11th February 2013
 - Anaesthetic management of a patient with head injury for evacuation of large subdural hematoma Anaesthesia Review course- 2013,Tata Hospital, Mumbai, 29-31st March 2013
 - Emergency management of severe brain Injury World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013
 - Case discussion: Patient with Head injury with cervical spine injury with full stomach Difficult Airway Conference, Tata Memorial Hospital, Mumbai. 6-8th December 2013
-

- Ethics in clinical Research NBE Research Methodology Workshop, LTMMC, Mumbai, 28-29th August 2013
- Ethics in clinical Research NBE Research Methodology Workshop, LTMMC, Mumbai, 8-9th October 2013
- Ethics in clinical Research NBE Research Methodology Workshop, LTMMC, Mumbai, 3-4th December 2013

Dr. Geeta Patkar

- Challenges in Paediatric dental/oromaxillofacial Anaesthesia. World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013

Dr. Naina Dalvi

- The child with heart disease Topics in Paediatric Anaesthesia-Paed. Lect. Series, SGSMC &KEM Hospital, 5-6th April, 2013
- Invasive Cardiac Monitoring PG lecture series in Cardiac Anaesthesia, SGSMC &KEM Hospital, 29-30th June, 2013
- Complications of CP-Bypass CME on Cardiac Anaesthesia - Basics and Beyond, LTMMC, Mumbai, 21st September, 2013
- Postoperative hypoxemia- causes and management World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013

Dr. Aparna Nerurkar

- Emergency Procedures I should know: Defibrillation/ Cardioversion World Anaesthesia day conference of Indian Society of Anaesthesiologists Mumbai branch on 25-27th October 2013
- Major on table complications in orthopaedic surgery- What to do? CME on Orthopaedic Anaesthesia, Saifee Hospital, Mumbai, 3rd Feb, 2013
- Pre-operative Evaluation of Cardiac Patients CME on Cardiac Anaesthesia - Basics and Beyond, LTMMC, Mumbai, 21st September, 2013

Dr. Deepali Thakur

- Anaesthesia for Cardiac Cath procedures CME on Cardiac Anaesthesia - Basics and Beyond, LTMMC, Mumbai, 21st September, 2013

Dr. Devangi Parikh

- "Procedural Sedation. How do I choose my strategy?" World Anaesthesia day conference of Indian Society of Anaesthesiologists Mumbai branch on 25-27th October 2013
- Supraglottic Airway Devices Anesthesia Review Course 2013 at Tata Memorial hospital.

Dr. Manish Kotwani

- Trauma Resuscitation principles World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013

Dr. Preeti Rustagi

- Professional Hazards in Anaesthesia World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013

Dr. Dhawal Wadaskar

- Interesting cases presentation CME on Cardiac Anaesthesia - Basics and Beyond, LTMMC, Mumbai, 21st September, 2013

Papers Presented at various conferences:

- 1 Study of Sublingual nitroglycerin for extubation response in hypertensive patients
Dr. Shakuntala Basantwani, Dr. Amol Dhuldhule, Dr. Hemangi Karnik, Dr. Bharati Tendolkar
Annual SRS meeting, LTMMC, Mumbai 3-4 April 2013
- 2 Anaesthesia Challenge in a thyroid swelling with Retrosternal extension causing SVC obstruction with operated C1-C2 fixation – Dr. Deepali Thakur, Dr. Amala Kudalkar, Dr. SHantanu Kulkarni, Dr. Kishori Bawdhane, Dr. Bharati Tendolkar – Annual SRS meeting, LTMMC, Mumbai on 3-4 April 2013
- 3 Comparison vs Bupivacaine for labour analgesia – Dr. Kishori Bawdhane, Dr. Jyoti Magar, Dr. Bharati Tendolkar – Annual SRS meeting, LTMMC, Mumbai on 3-4 April 2013
- 4 "Successful airway management in patient with lumbar spine injury with stool leg. Dr. Devendra Thakare, Dr. Aparna Nerurkar, Dr. Bharati Tendolkar – World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013
- 5 Anaesthetic management of emergency exploration for midline sternal stab with a screwdriver. Dr. Devendra Thakare, Dr. Bharati Tendolkar – World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013
- 6 Anaesthetic management of a case of transposition of greater arteries (uncorrected) for Craniectomy & Intracerebral abscess drainage. Dr. Shakuntala Basantwani Dr. Arun Tiwari, Dr. Hemangi Karnik, Dr. Bharati Tendolkar – World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013
- 7 Thymoma : a case report and anaesthetic considerations – Ankita Kabi, Rahul Patil, Naina Dalvi, Deepali Thakur, Bharati Tendolkar – Trinity 2013, LTMMC, Mumbai, March 2013
- 8 Right atrial myxoma : a case report and anaesthetic considerations – Tanushree Srivastava, Rahul Patil, Naina Dalvi, Bharati Tendolkar – Trinity 2013, LTMMC, Mumbai, March 2013
- 9 Pregnancy with bilateral temporo-mandibular joint ankylosis for emergency lower segment caesarean section. Dr. Rupali Patil, Dr. Ajay Pal, Dr. Urvi Desai, Dr. Bharati Tendolkar. National Obstetric Anaesthesia conference, Manglore, 2013

Publication in Journals

- 1 Dr. Ameya S. Mandrekar and Dr. Anila D. Malde. Prospective Randomized Double Blind Study of Caudal Epidural Analgesia. Bombay Hospital Journal April 2013; 55(2): 230-236.
 - 2 Dr. Devangi Parikh, Dr. Sagar Kolli, Dr. Hemangi Karnik, Dr. Smita Lele, Dr. Bharati Tendolkar. A randomized double blind study to comparing Dexmedetomidine Vs combination of Midazolam Fentanyl in Tympanoplasty surgery under monitored anesthesia care. J Anesthesiol Clin Pharmacol 2013; 29(2): 173-8
 - 3 Nerurkar AA, Laheri VV, Lele SS, Kotwani M, Tendolkar BA. Anaesthesia Management of T-tube-A simple approach. J Anaesthesiol Clin Pharmacol 2013; 29,405-7
 - 4 Dr. A. Nerurkar, Dr. S. Gandhi, Dr. D. Parikh, Dr. V. Laheri, Dr. B. Tendolkar. A Prospective
-

Randomized Double Blind Study Comparing Efficacy Of Ropivacaine With Bupivacaine In Brachial Plexus Block" Bombay Hospital Journal 2013;55(3): 391-8.

Dr. Naina Dalvi

- Paper on "I-Gel Vs Proseal LMA-Comparison of Two Supraglottic Airways for short surgical procedures" accepted by JOACP.

Award winning papers/Dissertations

- 1 Dr. Shakuntala Basantwani – Study of Sublingual nitroglycerin for extubation response in hypertensive patients – First Prize in Annual SRS Research Paper Competition, LTMMC, Mumbai, April 2013
- 2 Dr. Deepali Thakur, Dr. Amala Kudalkar, Dr. SHantanu Kulkarni, Dr. Kishori Bawdhane, Dr. Bharati Tendolkar – Anaesthesia Challenge in a thyroid swelling with Retrosternal extension causing SVC obstruction with operated C1-C2 fixation, Second prize in Interesting case presentations in Annual SRS meeting, LTMMC, Mumbai, April 2013
- 3 Dr. Kishori Bawdhane, Dr. Jyoti Magar, Dr. Bharati Tendolkar – Comparison vs Bupivacaine for labour analgesia, First Prize in Dissertation competition in Annual SRS meeting, LTMMC, Mumbai
- 4 Dr. Preeti Rustagi – Professional Hazards in Anaesthesia – 'Hidden Gems Award" in World Anaesthesia day conference of Indian Society of Anaesthesiologists, Mumbai branch, Mumbai, 25-27th October 2013

BOOKS

Dr. Anila Malde

- Anaesthesia Ventilators. Dr. Anila Malde in a book "Understanding of Anaesthesia Equipment and Procedures - A Practical Approach" Editors: Dr. Dwarkadas Baheti and Dr.Vandana Laheri Publishers: Jaypee Medical publishers Pvt. Ltd.
- Pulse oximeters. Dr. Anila Malde in a book "Understanding of Anaesthesia Equipment and Procedures - A Practical Approach" Editors: Dr. Dwarkadas Baheti and Dr.Vandana Laheri Publishers: Jaypee Medical publishers Pvt. Ltd.
- Challenges In Anaesthesia For Thoracoscopic Surgery In Infants. Dr. Anila Malde in a book "World Clinics on Anaesthesia, Critical care & Pain: Paediatric." Editor in Chief: Drs. D. K. Baheti; Guest Editors: Dr. Snehlata Dhayagude-India, Dr. Jayant Deshpande-USA and Dr. Ramesh Menon-New Zealand. Publishers: Jaypee Medical Publishers, New Delhi, India.
- "Anaesthesia Machine part II: Breathing Circuits, Anaesthesia Ventilators, Scavenging" in book of "GISACON 2013", at 46th Annual Conference of Indian Society of Anaesthesiologists,
- Gujarat State Branch (GISACON 2013) held on 19th & 20th October 2013 at the Medical College & SSG Hospital Vadodara.
- "Knowing Your Anaesthesia Machine: Does It Matter?" in conference DVD of "WAD 2013", on 26th and 27th October 2013 at Hotel Lalit, Sahar, Mumbai, organized by Indian Society of Anaesthesiologists, Mumbai Branch and G S Ambadekar Anaesthesia Society.

Research projects Undertaken in 2013:

1. Comparative study of arterial chloride levels and PH between 6% HES 130/0.4 saline and 6% HES 130/0.4 balanced for on-pump cardiac surgeries
2. Anaesthesia risk stratification: comparison between Silverman-Hold Aggregate Preoperative Evaluation [SHAPE] and American Society of Anaesthesiologists Physical status [ASAPS] pre-operative evaluation systems
3. Correlation of leak around uncuffed endotracheal tube in children and post-operative morbidity: An observational study
4. Observational study of caudal analgesia using 0.2% levobupivacaine versus 0.2% bupivacaine for hernia repair in paediatric patients
5. Comparison of Propofol Ketamine combination of versus sevoflurane anaesthesia for gastrointestinal endoscopy in children
6. Evaluation of airway and predicting difficult tracheal intubation in diabetic patients- a case controlled study
7. Use of McCoy and Tru-view laryngoscope blades for intubation in patients with anticipated difficult airway with respect to the ease of intubation and haemodynamic response
8. Identification of risk factors for hypotension after spinal anaesthesia in patients undergoing Cesarean section
9. An evaluation of procedural sedation techniques in Duchennes muscular dystrophy undergoing stem cell therapy
10. Study of perioperative airway and respiratory complications in children undergoing cleft lip and palate repair
11. Review of perioperative morbidity in patients undergoing TURP: An anaesthesiologists perspective
12. An audit of blood and blood products' transfusion in spine surgeries
13. Monitoring of depth of anaesthesia using entropy monitor during cardiopulmonary bypass- a prospective study
14. A cross-sectional observational analysis of preoperative blood glucose levels in patients presenting for surgery
15. Observational study for dose-response characteristics of intra-theal hyperbaric bupivacaine(0.5%)in sequential combined spinal epidural anaesthesia in elderly
16. The type of anaesthesia and outcome in pre-eclamptic patients undergoing Cesarean section- An observational study
17. Observational study of haemodynamic effects of etomidate and propofol in patients planned for off pump CABG
18. An observational study to compare the haemodynamic parameters following spinal anaesthesia with hyperbaric bupivacaine in normotensive and hypertensive patients.
19. A comparison of thyromental height with the ratio of patient's height to thyromental distance and upper lip bite test in predicting difficult laryngoscopy

Special Activities

- PDCC Course in Paediatric Anaesthesia was started in 2012 and two students were enrolled in 2012 and two students in 2013.
- Lectures for Techniques in operation theater and practical training for the BPMT course by MUHS.

Abstracts

Title: ANAESTHETIC MANAGEMENT OF EMERGENCY EXPLORATION FOR MIDLINE STERNAL STAB WITH A SCREWDRIVER.

Authors: Dr. Devendra Thakare, Dr. Bharati Tendolkar

Abstract

The patients with thoracic trauma are a great challenge to the anaesthesiologist and often present to the operating room in an emergency. Thoracic trauma may cause damage to the organs especially heart which may lead to cardiac tamponade or life threatening haemorrhage. There is generally little or no time to fully evaluate the patient. Here we present a case of emergency exploration for midline sternal stab with a screwdriver. 23 year old eunuch was received with homicidal midline sternal penetrating injury with a screwdriver. On examination, 6-7 cm of the object was seen protruding out from midsternal puncture wound. Patient was conscious, pulse was 130/min, regular and blood pressure was 80/50 mm of Hg. Blood grouping and cross matching was done. On x-ray chest, screwdriver was seen penetrating through the sternum into the heart at the level of the right atrium. In view of above findings and deteriorating hemodynamics, patient was immediately shifted to the operating room without cardiopulmonary bypass standby. Patient was induced with fentanyl-midazolam based general anaesthesia. Patient was intubated and ventilated with 100% oxygen. Inj. dopamine infusion, inj. phenylephrine and defibrillator were kept ready. Standard Midline Sternotomy done, sparing the object. One end of screw driver was seen penetrating the anterior A-V groove just inferior to the right atrial appendage. Patient was hemodynamically stable with intermittent heart rhythm disturbances. Surgeons started suturing in purse string manner around the site of penetration, halfway through, suddenly the screwdriver slipped out. Severe bleeding started obscuring the operating field. Surgeons continued suturing blindly with continuously clearing the field by suctioning the blood. Within 2-3 minutes blood loss was approximately 2 litres, fall in blood pressure, which was treated with volume resuscitation with colloid, blood and inj. Phenylephrine. Pericardial patch was sutured over the puncture site. Hemostasis achieved. Closure was done.

Blood loss was 2.5 litres. Two units of whole blood transfused intraoperatively.

Patient was hemodynamically stable after aggressive resuscitation without on any inotropic support. Fentanyl patch and local anaesthetics infiltration was given for analgesia. Patient was well reversed and extubated on table with stable hemodynamics. Postoperatively 2-D ECHO, Coagulation profile and CBC were normal. Postoperative course was uneventful and patient was discharged on 7th postoperative day. Thoracic trauma needs a high index of suspicion and preparation to detect cardiac injury as signs/symptoms may be misleading & investigations are limited in the emergency situation. The anaesthesiologist must be able to initiate primary resuscitation, and plan the anaesthetic management of surgery, diagnose and prepare for life threatening intraoperative complications. Cardiopulmonary bypass is rarely required but always better to keep the facility available. With aggressive care and management of these factors, majority of patients can survive and return to normal life.

Title: SUCCESSFUL AIRWAY MANAGEMENT IN THE PATIENT WITH LUMBAR SPINAL INJURY WITH A STOOL LEG

Authors: Dr. Devendra Thakare, Dr. Aparna Nerurkar, Dr. Bharati Tendolkar

Abstract

Management of airway in trauma victim with penetrating spine injury is challenging to the anaesthesiologist. Most anaesthesiologists are not exposed to laryngoscopy and intubation in lateral position. We present a case of successful airway management in the patient with lumbar spinal injury with an impaled stool leg with anticipated difficult intubation. 45 year old man fell on an upturned stool, leading to penetrating trauma to his back with one of the stool legs. With the 5 inches of rusted metal rod lodged in his back, travelling for four hours, he was taken to our hospital, where he was received lying on his chest on trolley. Patient was conscious, stable hemodynamically, but with complete loss of power in right lower limb and paresthesia in left. CT abdomen revealed L2 vertebra was pierced and fractured by the rod, injured his nerves but stopped just short of the aorta, 4-5 mm anterior to vertebra. The biggest challenge at this stage was to intubate the patient, who was lying on his chest. Patient was having a heavy jaw and Mullampatti classification grade was II, it was decided to intubate him in supine position. Patient was made supine in the gap between OT table and Trolley kept parallel to each other with rod resting in the gap between the two. All precautions were taken to avoid further aggravation in the injury while positioning the patient for intubation. Patient was intubated in supine position under general anaesthesia. After securing the ETT patient was turned from supine to right lateral position. Priority was to see if any of his main vessels were injured. Aorta and rest of the vasculatures were free. Surgeons then pulled out the rod from the back by widening the injury site. Patient was hemodynamically stable throughout and blood loss was minimal. Surgery lasted for around 1.5 hours. Patient could not be extubated in view of poor tone, power and shifted to trauma ICU on SIMV mode of ventilator support.

Anaesthesiologists are not routinely familiar with airway management in the lateral position. So the patient's positioning can be modified for successful laryngoscopy and intubation in order to avoid longer intubation attempts and failure, in lateral position. The lateral decubitus position is associated with deterioration in laryngoscopic viewing conditions as well as dissociation between quality of laryngoscopic view and ease of endotracheal intubation. Instead airway can be secured comfortably if injured spine is stabilised meticulously in supine position.

Title: THYMOMA : A CASE REPORT AND ANAESTHETIC CONSIDERATIONS

Author: Ankita Kabi, Rahul Patil, Naina Dalvi, Deepali Thakur, Bharati Tendolkar

Abstract

Introduction & Aims : Thymoma, the most common neoplasm of the anterior mediastinum, accounts for 20-25% of all mediastinal tumors and 50% of anterior mediastinal masses. The etiology of thymomas has not been elucidated; however, it has been associated with various systemic syndromes. It is a neoplasm of middle- or older-aged adults that affects males and females in roughly equal proportions. It presents either concurrently with myasthenia gravis (1/3 of cases), with local symptoms (e.g., chest pain, neck mass and superior vena cava syndrome; 1/3) or asymptotically as a mediastinal mass on chest radiography (approximately 1/3 cases) An additional 5% of patients who have a thymoma have other systemic syndromes, including red cell aplasia, dermatomyositis, systemic lupus erythematosus, Cushing syndrome, and syndrome of inappropriate antidiuretic hormone secretion.

Material : A 55 year old male weighing 48 kg (BMI-19.2 kg/m²) presented with cough with expectoration since 2 years and dyspnoea on exertion since 1 year and chest pain since 6 months. He also gives h/o loss of appetite and weight loss since 6 months.

Patient was on MDI Tiotropium 2 puffs BD and MDI Formetrol butemide 2 puffs BD. On examination pulse rate was 68/min with regular rhythm, blood pressure 110/80mm hg. On auscultation air entry was decreased in right middle and inferior areas and rhonchi in right basal area. Other systemic examination was within normal limits

His chest radiograph showed homogenous density predominantly in right hemithorax. Haemogram, liver and renal functions were normal. CT scan revealed 10x10x8.5 cm bilobed lesion in right anterior mediastinum abutting right atrium and ventricle and also abutting the right upper lobe, middle lobe of lung with peribronchial thickening of bilateral lower lobes. Early opacification of IVC and Hepatic veins suggestive of TR. Histopathology reported to be Thymoma type II.

He was operated on 8/2/13 in CVTS OT under general anaesthesia. Arterial line and central venous access was taken. Epidural was also given for analgesia. Patient was premedicated and anaesthesia was induced with slow titrated doses of propofol. Intraoperatively hypotension occurred due to acute blood loss and was managed with iv fluid bolus and blood transfusion. Post removal of tumor the right lung atelectatic was ventilated with PEEP

Post-operatively patient was shifted on ventilator with dexmedetomidine infusion. He was extubated after 6 hours on the same day. Analgesia was maintained with timely epidural top ups of morphine.

Conclusion :

1. Hemodynamics of the patient to be monitored and managed carefully as cardiovascular compromise is anticipated.
2. Hypoxemia may occur in these patients due to obstruction and airway compromise. Supplemental oxygen and chest physiotherapy to be initiated.
3. Patients with a preoperative diagnosis of MG and a thymoma should optimize their medical condition prior to surgery by using cholinesterase inhibitors and plasmapheresis if indicated and intraoperatively neuromuscular monitoring can be done.

Title : RIGHT ATRIAL MYXOMA : A CASE REPORT AND ANAESTHETIC CONSIDERATIONS

Authors: Tanushree Srivastava, Rahul Patil, Naina Dalvi, Bharati Tendolkar

Abstract:

Introduction & Aims : Primary tumours of the heart are uncommon with an incidence of 0.0017-0.19%. Myxomas account for 40-50% of the primary cardiac tumours. 75% occur in the left atrium and up to 25% in the right atrium. The classic presentation of myxomas includes intracardiac obstruction with congestive heart failure (67%), signs of embolization (30-40%), and constitutional symptoms that can include fever (19%) or weight loss and fatigue (17%). However, cardiac myxomas may mimic various cardiovascular diseases; hence a high index of suspicion is important for their diagnosis. Left atrial myxomas produce symptoms when they reach 70grams but right atrial myxomas grow to twice this size before becoming symptomatic.

We present a case report of a 52 year old female patient with an 8x5cm pedunculated right atrial myxoma prolapsing into the right ventricle and inferior vena cava, posted for surgical excision; with the following aims:

1. Understanding the physiologic alterations caused by these tumours and their clinical implications as such patients may have to be anaesthetised for the surgical excision of the tumour or when they present with other surgical co-morbidities.
2. Implications of the presence of the cardiac tumour on approach of central venous (IJV) cannulation and method of cardiopulmonary bypass.

Material : A 52 year old female weighing only 26 kg (BMI-11.5 kg/m²) presented with palpitations since 2 years and dyspnoea on exertion since 2-3 months. She also gives h/o loss of appetite and weight loss since 2 years. There were no symptoms or signs of embolization.

P/H/O pulmonary tuberculosis in 2008, took complete treatment. No past surgical history.

Patient was on T.Lasilactone(20/50) OD and T.Atenolol 25mg OD. On examination pulse rate was 90/min with regular rhythm, blood pressure 120/60mm hg. On auscultation a systolic murmur was present in the tricuspid area with a split S₂. Other systemic examination was within normal limits. Her ECG showed T wave inversion in leads V₂-V₆. Haemogram, liver and renal functions were normal. 2D ECHO and MRI revealed a right atrial myxoma 8.8x5x4 cm prolapsing into RV and IVC with areas of haemorrhage/thrombosis and mild tricuspid regurgitation.

She was operated on 30/1/13 in CVTS OT under general anaesthesia. Rt IJV was cannulated with utmost care to avoid fragmentation and embolization of the myxoma in the right atrium. Anaesthesia was induced with slow titrated doses of midazolam, fentanyl and thiopentone. During induction hypotension occurred which responded to i.v. fluid boluses and small doses of phenylephrine. During the surgery only the SVC was cannulated at first and the prolapsing part of the tumour in the IVC was brought to the right atrium after taking a nick on the IVC. The tumour was excised after opening the right atrium. Intra-operative course was uneventful. On bypass time being one hour with cross clamp time half an hour.

Post-operatively patient was on minimal inotropic support. She was extubated after 4 hours on the same day. Inotropic support was still required till post-op day 1.

Conclusion :

1. Blood pressure (BP) is the product of cardiac output (CO) and systemic vascular resistance (SVR). As the myxoma creates a fixed output status due the obstruction of the tricuspid orifice, whenever the SVR plummets, hypotension occurs. Thus during anaesthetic induction, hypotension is common. Also, due to venodilatation which causes the RA to collapse and increases the mechanical obstruction. Hence drugs causing venodilatation or fall in SVR should be used with caution.
2. Hypoxemia may occur in these patients due to obstruction and decreased cardiac output, intracardiac shunting, pulmonary emboli or increased pulmonary dead space due to decreased flow. Supplemental oxygen should be provided.
3. Entry into the right atrium should be avoided while inserting central venous catheters to avoid embolization and precipitation of acute pulmonary hypertension.

Title: ANAESTHETIC MANAGEMENT OF A 16 WEEKS PREGNANT WOMAN WITH PDA WITH EISENMENGER SYNDROME FOR HYSTEROTOMY

Authors: Deepa Sannakki Garg, Jyoti Magar, Bharti Tendolkar

Abstract Pregnancy in setting of pulmonary hypertension and Eisenmenger physiology is associated with high maternal and fetal mortality. The decreased systemic vascular resistance associated with pregnancy increases the degree of right to left shunting, thereby carrying substantial risk to both the mother and the foetus. A 32 year old Primigravida with 16 weeks of gestation diagnosed case of Patent Ductus Arteriosus with Eisenmenger's syndrome presented with dyspnoea on exertion NYHA grade II/IV and peripheral cyanosis with grade 3 clubbing on physical examination. On Cardiovascular examintaion there was cardiomegaly with loud P₂ with systolic murmur. 2-D ECHO suggestive of large Patent Ductus Arteriosus with Right to Left shunt with severe Pulmonary Arterial Hypertension with good biventricular function. Patient had Elevated Hemoglobin and Hematocrit and low platelet count with antenatal Ultrasonography showing single live fetus.

In view of significant past history of cardiac decompensation, decision was taken to terminate the pregnancy in view of threat of life to the mother. Hysterotomy was performed under general anaesthesia in supine position. Patient was induced with sevofurane with titrated doses of Ketamine and Fentanyl with cricoid pressure. Preoperative oxygen saturation was 68% which improved to 96% on 100% O₂. Procedure was uneventful. Patient was reversed and extubated on table & monitored postoperatively for 72 hours in the Intensive Care Unit. After 1 week patient discharged and she was referred to Cardiology for further management.

Successful outcome of Heart Disease in Pregnancy requires teamwork by anaesthesiologists, surgeons, obstetricians & cardiologists with careful watch on maternal & foetal parameters preoperative, intra-operative & postoperatively.

Title: ANAESTHETIC MANAGEMENT OF A CASE OF TRANSPOSITION OF GREATER ARTERIES (UNCORRECTED) FOR CRANIECTOMY & INTRACEREBRAL ABSCESS DRAINAGE

Authors: Dr Arun Kumar Tiwari, Dr Shakuntala Basantwani, Dr Hemangi Karnik, Dr Bharati Tendolkar

Abstract:

INTRODUCTION - Transposition of greater arteries (D-TGA) accounts approx. 5% of all congenital heart diseases. There is discordance of the ventriculoarterial connection with aorta arising from Right ventricle and Pulmonary artery from Left ventricle. This abnormal connection causes intercirculatory mixing of blood, hypoxia and its consequent polycythemia and hyperviscosity. The latter results in sluggish blood flow in cerebral microcirculation, microthrombi formation and direct entry of organisms, emboli, infected seed to cerebral circulation forming cerebral abscess. Incidence of cerebral abscess in cyanotic congenital heart disease is 5-16.5%. Anaesthetic goal in patients with uncorrected (D-TGA) for craniectomy for brain abscess drainage is to preserve the balance of existing shunt by manipulating systemic and pulmonary vascular resistance (PVR) relative to each other. In left to right shunt, a degree of peripheral vasodilatation with mild hypotension is well tolerated. Shunting is increased if PVR is increased by hypoxia, hypercarbia or light plane of anesthesia. Other hemodynamic goals are maintaining preload, normal sinus rhythm and contractility, normal acid base, electrolytes and coagulation profile.

CASE REPORT - Six years old male child weighing 12kgs, diagnosed as a case of D-TGA was scheduled for craniectomy for Brain abscess drainage, was admitted with complaints of fever, generalized seizures, paresis of right side of body associated with right facial palsy since last 20 days. Patient had central cyanosis with on air O₂ saturation of 71%, marked clubbing, systolic murmur in pulmonary area.

Laboratory investigations showed Hb of 15.4g% with Hct of 43.9%, platelets count of 1,37,000/mm³, TLC-14500/mm³ with normal Liver and Renal function test. Arterial blood gas revealed PO₂-40.6mmHg, SO₂-72% and no acidosis. Computed tomography scan showed cystic enhancing lesion in the left frontotemporoparietal region, 2D echo was suggestive of congenital heart disease, d-TGA, large OS ASD 20mm with bidirectional shunt, dilated Right atrium and Right ventricle, with severe Pulmonary Arterial Hypertension (PAH).

Anaesthesia induction was carried out with inj fentanyl 2 mcg/kg + inj ketamine 2mg/kg after premedication with inj Glycopyrrolate 0.004mg/kg and inj midazolam 0.02mg/kg supplemented with Vecuronium. Right Internal jugular vein cannulation done for central access. Surgery was performed under General anaesthesia in supine position. Anaesthesia was maintained on O₂ + Air + sevoflurane + inj fentanyl 2 mcg/kg/hr and vecuronium infusion with controlled ventilation. The procedure was completed uneventfully and at the end the patient was reversed, extubated and monitored in Neurosurgery ICU for postoperatively.

CONCLUSION - Cerebral abscess is a rare but well known complication in patient with cyanotic congenital heart disease. Anaesthetic goal is to avoid reduction in cardiac output and systemic vascular resistance (SVR), while keeping Pulmonary vascular resistance (PVR) lower relative to SVR. Increase in pulmonary blood flow due to reduced PVR will lead to increased mixing of blood and better saturation. Airway obstruction during induction and post extubation phase should be anticipated and avoided to prevent increase in PVR. A systemic approach to the preoperative assessment of these patients can result in rational perioperative management.

Title - ANAESTHESIA CHALLENGE IN A THYROID SWELLING WITH RETROSTERNAL EXTENSION CAUSING SVC OBSTRUCTION IN AN OPERATED CASE OF C1-C2 FIXATION

AUTHORS: Dr. Deepali Thakur, Dr. Amala Kudalkar, Dr. Shantanu Kulkarni, Dr. Kishori Bawdane, Dr. Bharati Tendolkar

INTRODUCTION - In patients with retrosternal goitre with superior vena caval syndrome, anaesthesia can result in loss of muscle tone that can lead to complete obstruction of the airway. Awake fibreoptic intubation in patients with anterior mediastinal masses, is the safest option in cases of mid-tracheal compression associated with SVC obstruction.

CASE REPORT - A 48 year female, operated case of C1-C2 fixation, weighing 58 kg (142cm, BMI- 29) known hypertensive presented with thyroid swelling with retrosternal extension causing SVC obstruction was posted for total thyroidectomy. Airway examination revealed anticipated difficult intubation. Computerised tomographic (CT) scan showed the retrosternal extension upto the level of aortic arch. Awake fiberoptic intubation with cuffed 6.5mm I.D tracheal tube was done in 70 degree propped up position after airway anaesthesia and sedation with inj. Dexmedetomidine infusion. Central venous access in right femoral vein and an intra-arterial cannula in the left radial artery was secured along with conventional monitoring. Total thyroidectomy was performed under general anaesthesia with enucleation of the retrosternal extension. Postoperatively patient was electively ventilated in ICU. In ICU, she developed hypokalemia and hypocalcaemia leading to arrhythmias which was corrected with potassium and calcium supplementation. She was gradually weaned off mechanical ventilation and extubated after 36 hrs postoperatively over a tube exchanger which was kept in situ for 12 hrs.

Patient developed sudden stridor and negative pressure pulmonary oedema 6 hrs after removal of tube exchanger. In operation theatre, fibreoptic laryngoscopy in sitting position revealed vocal cord adduction and emergency tracheostomy with No 6 cuffed endotracheal tube was performed under local anaesthesia. This tracheostomy tube was changed to metal tracheostomy tube after 6 wks with planning of gradual decannulation.

CONCLUSION - The peri-operative management of patients with mediastinal masses with SVC obstruction is challenging, with the risk of significant respiratory and cardiovascular complications. Every attempt should be made to secure airway prior to loss of consciousness. Life-threatening complications, including complete airway obstruction and cardiovascular collapse, can occur at any point during anaesthesia and even during post-operative period.

Title- PREGNANCY WITH BILATERAL TEMPORO-MANDIBULAR JOINT ANKYLOSIS FOR EMERGENCY LOWER SEGMENT CAESAREAN SECTION

Authors - Dr. Rupali Patil, Dr. Ajay Pal, Dr. Urvi Desai, Dr. Bharati Tendolkar.

Introduction-Difficult airway in Temporo-mandibular joint (TMJ) ankylosis can be further compromised in pregnancy. Failure to control the airway and ventilate the patient would worsen hypoxemia and endanger both the mother and fetus

Case -32 yrs Primi-gravida with pre-eclampsia with abruption with Fetal distress. She had restricted

mouth opening since childhood. Mouth opening- 1cm. Bilateral TMJ movement restricted and slux - (-1), Mal-occluded teeth, Thyromental distance-5cm, Retrognathia, Mandibular hypoplasia, Bird facies, Neck movement -normal. Patient had severe respiratory distress with saturation 75-85 %. Elective surgical airway secured with tracheostomy tube no 6.5. Anaesthesia induced with inj. thiopentone sodium + suxamethonium. Patient ventilated through tracheostomy tube. Anaesthesia maintained on O₂ + nitrous oxide (50:50) + isoflurane and atracurium. Analgesia achieved with fentanyl and i.v. paracetamol. Patient was reversed out of muscle relaxant. Elective ventilation done in I.C.U. Ventilatory support weaned -off, over 24 hrs and. Tracheostomy closed on 15th postoperative day.

Conclusion-With difficult airway of TMJ ankylosis in pregnancy with PIH, safety and well being of mother and baby are most important and was achieved well. Morbidity in the form of tracheostomy and ventilatory support could have been prevented by early consultation and elective surgery for the same.



DEPARTMENT OF ANATOMY

Scientific Programs Organized by Department:

- CME cum Workshop on Fetal dissection titled "Fetal Dissection- a window to embryology" on 11th October 2013.

Guest Lectures/Workshops/CME/Seminars:

Dr. S. S. Hattangdi

- 'Development of face and paranasal air sinuses' XIIth Basic Course in Endoscopic Sinus Surgery, June 2013.L.T.M.M.C., Sion, Mumbai

Dr M. A. Mahendrakar

- "Body Donation" Date: 20th November 2013.Basic training programme for transplant coordinators organized by Zonal transplant coordination committee,Mumbai.

Papers presented at various Conferences:

- 61st NATCON of Anatomical Society of India Chandigarh.
- A case report of bilateral calcified femoral arteries. Dr.Rupali Mahajan, Dr. S.S. Hattangdi
- A study of morphological variations in lungs Dr.Rupali Mahajan, Dr. S.S. Hattangdi
- A study of division of sciatic nerve. Dr. Prabhakar Wanjari, Dr. S.S. Hattangdi
- Polythelia - A case report. Dr. Prabhakar Wanjari, Dr. S.S. Hattangdi

Abstracts:

Dr. Rupali Mahajan

A. A CASE REPORT OF BILATERAL CALCIFIED FEMORAL ARTERIES.:

In Medicine OPD a female patient aged 55 years presented with complaints of pain in pelvic region.Detailed investigations revealed bilateral calcified femoral arteries. Details of the case were discussed in the conference.

B.A study of morphological variations in lungs.:

The study was carried out to study variations in Lungs with respect to Morphology of fissures, lobes,cardiac notch,lingula.Formalin fixed lungs from adult Indian cadavers were studied. Lungs affected by tuberculosis were excluded.The variations were noted and the specimens were photographed.The results and their comparison with the previous work shows there is wide range of difference in occurrence of lobes, fissures,cardiac notch and lingula also knowing the frequency of occurrence of variations in lungs in a particular population might help the radiologist and clinicians to make correct diagnosis, plan, execute and modify a surgical procedure depending on the merit of the case.

Dr. Prabhakar Wanjari

A. A STUDY OF DIVISION OF SCIATIC NERVE :

The aim of this study was to ascertain the level of division of sciatic nerve.Thirty two formalin fixed lower limbs from adult cadavers were dissected and the variations in the division of the nerve were

studied. Knowledge regarding the division of the nerve is important to clinicians for treating various ailments like sciatica, fracture neck of femur, hip dislocation and intramuscular injections in gluteal region.

B. POLYTHELIA - A CASE REPORT :

A case of polythelia was discovered in the department of Forensic Medicine and Toxicology in a case referred for age estimation. Supernumerary nipples are diagnosed at a rate of 1 in 18 males and 1 in approximately 50 females. The nipples appear along two vertical lines starting from axilla and ending in inguinal region. Other findings were normal. Embryological basis of supernumerary nipples was discussed during presentation in the conference.

Publications in Journals:

Dr. Deepak Khedekar

- A case report on retroperitoneal herniation of descending colon with right sided sigmoid colon in 20 weeks fetus" The Journal of Anatomy, Photon 113 (2013) 141-143 case report. 2013.

Prizes won by undergraduate students & postgraduate students:

- Miss Bhargavi Sovani Miss Priti Namjoshi: Dr. B.M. Bhargav Competitive examination in the subject of Anatomy for the I M.B.B.S. - year 2013.

Research Projects Undertaken:

Dr. J. S. Charania, Dr. S.S. Hattangdi

1. Anatomical variation in Origin Course and Branches of Middle Meningeal artery with special reference to intraosseous course of anterior division.
2. Anatomical variation in Origin Course and Branches of anterior & posterior tibial vessels " Dr. D.N. Khedekar, Dr. S.S. Hattangdi: A rare case study of aberrant cleidooccipitalis cervicalis muscle compressing external jugular vein.

Dr. R. A. Gole, Dr. S.S. Hattangdi:

- Sexual dimorphism in the corpus callosum and its correlation to brain weight.

Dr. P. M. Meshram, Dr. S.S. Hattangdi:

- The morphometric study of lateral ventricle (anterior horn) and cerebrum (frontal cortex) by computerized tomography.

Dr. M. G. Lone, Dr. S.S. Hattangdi:

1. Morphometric study of bony landmarks around the cavernous sinus.
2. Ossification of ligaments of middle cranial fossa.

Dr. Prabhakar Wanjari, Dr. S.S. Hattangdi

1. Study of higher division of sciatic nerve
2. Study of anatomical spectrum of congenital renal anomalies detected in adults by various imaging modalities.

Dr. Rupali Mahajan, Dr. S.S. Hattangdi

1. Study of morphological variations in lungs

2. To study branching pattern of coronary artery by coronary angiography.

Any significant special activities with details:

- Dr. S.S. Hattangdi, Dr. R.R. Kulkarni were faculty speakers for the CME cum Workshop on Fetal dissection titled "Fetal Dissection- a window to embryology" on 11th October 2013 organised by the Anatomy department.
- Dr. Jaya Charania worked as editor for Lokstar 2013.
- Dr. R.R. Kulkarni and Dr. M.A. Mahendrakar are members of Medical Education Unit of L.T.M.M.C.



DEPARTMENT OF BIOCHEMISTRY

Achievements/Awards/Fellowships/Positions/Orations

Dr. Pramod Ingale

- Convenor:- UG Academic committee
- Member Anti-ragging Committee, LTMMC & GH.
- Faculty member of MET cell, LTMMC & GH.
- Member- Board of studies for Biochemistry- Krishna Institute of Medical Sciences, Karad.
- State representative of Association of Medical Biochemist of India.
- NABL- Technical Assessor
- Secretary -Staff research society- LTMMC & LTMGH
- Secretary- Stem cell research at LTMMC & LTMGH
- Member- Animal ethics committee LTMMC & LTMGH
- Member- Board of studies for Biostatistics & Bioinformatics, MUHS Nashik.

Dr. Kavita Dipnaik

- Member of Red Ribbon Club
- Member of MET Cell

Dr. S.D. Mane

- Assistant N.S.S. program officer
- Member of Marathi Wangmay Mandal

Dr. Bina F. Dias

- Member of MET cell
- Treasurer of Hospital Foundation Day Committee

Scientific Programs Orgnized by Departments

- Biochemistry 2nd Intercollegiate Quiz Competition 15th March 2013, Dept. of biochemistry, LTMMC, Sion.

Guest Lectures / Workshops / CME / Seminar

Dr. Pramod Ingale

1. Modern techniques for diagnosis of Inborn errors of metabolism 16th November 2013, Ludhiana.
2. Internal Quality Control 1st October 2013, LTMMC, Sion.
3. Semi autoanalyser- Issues & troubleshooting. Tata Memorial Hospital, Mumbai.

Dr. Kavita Dipnaik

- Motivation 28th January 2013, Vasantdada Patil College of Engineering, Sion, Mumbai.
-

Dr. Bina Dias

- Communication Skills Vasantdada Patil College of Engineering, Sion, Mumbai.
- "Quality Management in Clinical Laboratories"
- 28th January 2013, Dept. of biochemistry, LTMMC, Sion.

Papers Presented at various Conferences

Dr. Pramod Ingale

- Follow up study of Acute phase reactants, hepatic, renal biochemical markers & clinical outcome of patients in various febrile illnesses in adults during monsoon in city of Mumbai. AMBICON 2013, Ludhiana

Publications in journals

Dr. S. D. Mane

- "A study of Biochemical changes in occupational exposure of port land cement among construction workers in Ujjain, Madhya Pradesh" Indian Journal of Public Health Research & Development, Jan-March 2013, Vol.4, No.1, page no. 135.

Dr. Pooja S.K.Rai, Mrs. Smita A.Deokar

- Antioxidants deficiency: a sensitive indicator of cardiometabolic risk in chronic renal failure. IJRMS, year 2013, Vol.1, Issue:2, pages 87-92.

Mrs. Smita A. Deokar, Dr. Pooja S.K.Rai

- Study of Biochemical markers in Iron Deficiency Anemia. IJRMS, year 2013, Vol 1, Issue:4, Pages 541-544.

Prize won by undergraduates & post graduate students

Ms. Ramya Ramnath

- Dr. F.R. Billimoria prize for securing highest marks at M.Sc. (Biochemisry) degree examination of university of Mumbai from amongst all the students of LTMMC.

Mr. Shweta Mhatre

- Dr. F.R. Billimoria prize for securing highest marks at 1st MBBS in Biochemisry, examination of MUHS from amongst all the students of LTMMC.

Ms.Bhargavi Sohoni,Mr.Agni Bose

- Secured 1st position (Gold medal) in 2nd Inercollegiate Quiz competition held by Dept. of Biochemistry, LTMMC, Sion.

Research Projects Undertaken

Dr. Sudarshan Shelke, Dr. Pramod Ingale

- Study of biomarkers for early diagnosis of diabetic kidney diseases.

Dr. Shimi Sundharan, Dr. Kavita Dipnaik

- Assessment of cardiovascular risk and oxidative stress in PCOS.

Dr. Indranil Basu, Dr.Pramod Ingale

- A study on evaluation of oxidative stress and antioxidants level in patients with acute lymphoblastic leukemia in different stages of chemotherapy in a tertiary care hospital.

Dr.Namrata Raul, Dr. Pramod Ingale

- A study on mid gestational vitamin D level in patients with preeclampsia.

Ms. Smita Pawar, Dr. Sucheta Dandekar, Dr. Pramod Ingale

- Role of cardiac & inflammatory markers & their interrelationship in cardiac disorders

Dr. Bina Dias

- Observational study of efficacy of Glutamine supplementation in children with acute severe pneumonia.
- Evaluating the effect of nutritional supplementation combined with counselling on nutritional recovery in immuno-compromised children.
- A comparative study of MNT & SNT on the biochemical & immunological levels in severely malnourished children.
- To compare the efficacy of Medical Nutrition Therapy supplementation with standard nutrition therapy supplementation on the antioxidant status of severely malnourished children.



DEPARTMENT OF CARDIOLOGY

Achievements / Awards / Fellowship / Positions / Orations

- a) Appointment of Dr. Yash Lokhandwala, Consultant Electrophysiologist.
- b) Arrhythmia services started at Sion under the guidance of Dr. Yash Lokhandwala.
- c) Fellowship - FSCAI - Dr. Ajay U. Mahajan,
- d) Promotion to Professor position - Dr. Ajay U. Mahajan (MPSC)

Scientific Programmes Organized by L.T.M.M.C. & L.T.M.G.H.

- a) Workshop on Arrhythmia Dr. Yash Lokhandwala September 2013

Guest Lectures Workshop/CME/Seminars

Dr. A. U. Mahajan (Professor)

- 1) Chairperson - India Live 2014 New Delhi
- 2) Chairperson - CAD Conference - 2013 Mumbai
- 3) Best Case Presentation Annual SRS competition 2014

Dr. Hetan C. Shah (Assistant Professor)

- 1) Chairperson & Faculty -Master Teachers teaching workshop
- 2) IJCTO- Chairperson

Papers Presented at Various Conferences

- 1) Anomalous Origin of PDA from LAD – Chandrakant Upadhyay, Pankaj Patil, Hemant Kokane, Deepak Bohara, Anup, Taksande, Hetan Shah, Ajay Mahajan, P. J. Nathani
2. Correlation of Morris Index (PTFV1) after percutaneous Mital Stenosis and Left Atrial enlargement Abhay Tidke, Shoeb Nadim, Anup Taksande, Hetan Shah, Ajay Mahajan, P. J. Nathani
3. Study of Incidence of constrictive pericarditis in tuberculous pericardial effusion. Shoeb Nadim, Abhay Tidke Anup Taksande, Hetan Shah, Ajay Mahajan, P. J. Nathani
4. Prevalence of erectile dysfunction in Coronary Artery Disease. Shoeb Nadim, Chandrakant, Anup Taksande, Hetan Shah, Ajay Mahajan, P. J. Nathani
5. Clinical profile of patients with pulmonary embolism at a tertiary care center. Pankaj Patil, Abhay Tidake, Hemant Kokane, Anup Taksande, A.U.Mahajan, P. J.Nathani
6. Role of IABP in Postmyocardial infarction ventricular septal rupture in reducing L-R shunt. Pankaj Patil, Chandrakant U, Swapnil P, Hetan Shah, A.U.Mahajan, P.J.Nathani

Publications In Journals

1. Mahesh Ghogare, Amit Singhal, Mahipat Soni, Deepak Bohara, Anup Taksande, Ajay Mahajan, Pratap Nathani. Pulmonary Valve, Pulmonary Artery & right ventricular calcification in a case of Chronic Pulmonary thromboembolism. Journal of Indian College of Cardiology Vol.III, Issue I, March 2013, pages 37-40

2. Amit Singhal, Mahesh Ghogare Deepak Bohara, Anup Taksande, Ajay Mahajan, Pratap Nathani. Multivalvular Rheumatic Heart Disease in a case of Congenital Rubella Syndrome with Congenital Valvular Pulmonary Stenosis. Journal of Indian College of Cardiology Vol.III, Issue III, September 2013, pages 143-145

Research Projects Undertaken

Dr. P. J. Nathani

- a. Study of factors associated with delayed thrombolysis and its impact on mortality and morbidity (short).
- b. Risk factor profile in family members of non smoker, young ACS (< 40 years) patients (long).

Dr. A. U. Mahajan

- c. Comparative study of Carotid Intima Media thickness and Ankle Brachial Index in patients with wide pulse pressure (>60mmhg) & narrow pulse pressure (<60mmhg) (short).
- d. Comparative study of AV groove stenting verses non AV groove stenting (long verses short stents) on diastolic function of the heart (long)

Dr. Yash Lokhandwala

- e. Incidence of arrhythmias in patients reperfused with streptokinase verses those non perfused during hospital stay (short)
- f. Study of VA conduction through AV node in patients undergoing accessory pathway ablation (long)

Dr. Hetan C. Shah

- g. Prospective study of patients having post ACS early verses late ventricular arrhythmias during 6 months follow up
- h. Multivariate analysis of factors associated with prosthetic valve thrombosis in atrial fibrillation (long)

Dr. Anup Taksande

- i. Study of VSD device closure patients for assessment of post procedure rhythm abnormalities using event recorder (short)
- j. ASD device closure TTE verses TEE in decision making and comparative study of different delivery sheaths on outcome (long)

Any Significant Special Activity with Details

- Pediatric Intervention Programme & Adult Congenital Heart Disease.
ASD - 15
VSD - 2
PDA - 14
BPV - 5
 - EP Lab setup & cases done by Dr. Yash Lokhandwala.
EP Cases :- 14
ICD - 3
-

DEPARTMENT OF CARDIOVASCULAR & THORACIC SURGERY

Achievements/ Awards/Fellowship/Positions/Orations

Started VATS programme

Scientific programmes organized

Live operative workshop on Tricuspid Valve repair on 31st of August

Guest lectures / Seminars / Presentations :

1. "What a would expect from my training program: Realization of my dream" by Dr. Ansh Garg at 60nd Annual conference of The Indian Association of Cardiothoracic Surgeons, Feb 2014, Kovalam.

Papers presented at various conferences

- Our Experience with VSR management – Manish Garg, Shrinivas Dussa, U. E. Jadhav, J. V. khandekar, 60th Annual conference of The Indian Association of Cardiothoracic Surgeons Feb. 2014, Kovalam

Publications in journals

- Tuberculous pseudo-tumor of the pericardium : a case report – Ansh Garg, Shrinivas Dussa, Jadhav Uday, Khandekar J. V. Indian Journal Of Thorac & Cardiovasc Surg 2013 29: 262-264

Special Activities:

- 1) Conducted diagnostic camp in Narsinghpur, M.P.
- 2) Conducted diagnostic camp in Nagpur in March 2014
- 3) Conducted Diagnostic and Follow up Cardiac Camp at Bidada, Dist Kutch, Gujarat in Oct. 2013 & Jan. 2014.
- 4) Conducted Diagnostic Cardiac Camp at Manmad in Nov 2013.

Operations Performed:

Cardiac	:	240
Major	:	230
Minor	:	10
Thoracic	:	15
Vascular	:	40

DEPARTMENT OF DENTISTRY

DEPARTMENT OF DERMATOLOGY

Achievements/Awards /Fellowship/Position/Orations

Dr. Rachita Dhurat

- Professor and Head, Department of Dermatology, LTM Medical College & LTM general Hospital, Sion, Mumbai-400 022
- Life member of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL)
- Life member of Indian Association of Study for Sexually Transmitted Diseases and AIDS (IASSTD & AIDS)
- Life member of Indian Association Leprologists (IAL)
- Life member of Indian Society of Cosmetic surgeons
- Member, Core committee in HIV/AIDS, LTMG Hospital
- Member of AITRAP Committee, LTMG Hospital
- Member, Hospital Infection Control Committee, LTMG Hospital
- Member, Executive Committee, Senior Medical Teachers' Association, LTMG Hospital
- Member, State Core Team, Sentinel Surveillance, MDACS, Mumbai
- Chairperson at "Pigmentatycon", Goa, 27th -28th July 2013
- Member of Indian Society of Pediatric Dermatology
- Life member of the Pemphigus and Pulse therapy foundation

Dr. Smita Ghate

- Additional Professor in Department of Dermatology, LTMG Hospital
- Associate member of the Indian Association of Dermatologists, Venereologists & Leprologists
- Member of American Society of Cosmetic Dermatology & Aesthetic Surgery
- Certified member of The Cosmetology Society of India
- Reviewer of Journal of Indian Association of Dermatologists, Venereologists & Leprologists
- Selected as a PG and UG teacher by Maharashtra University of Health Sciences (MUHS) Nashik
- Member of the MET cell in L.T.M.M.C. & L.T.M.G.H.
- Fellow of FAIMER
- Fellowship/Scholarship received travel grant from International Society of Dermatopathology to attend the ISDP meeting, Miami, USA in Feb 27-28, 2013
- Additional Professor in Department of Dermatology, LTMG Hospital
- Associate member of the Indian Association of Dermatologists, Venereologists & Leprologists
- Member of American Society of Cosmetic Dermatology & Aesthetic Surgery
- Certified member of The Cosmetology Society of India

- Reviewer of Journal of Indian Association of Dermatologists, Venereologists & Leprologists
- Selected as a PG and UG teacher by Maharashtra University of Health Sciences (MUHS) Nashik
- Member of the MET cell in L.T.M.M.C. & L.T.M.G.H.
- Fellow of FAIMER
- Fellowship/Scholarship received travel grant from International Society of Dermatopathology to attend the ISDP meeting, Miami, USA in Feb 27-28, 2013

Dr. Meghana Phiske

- Assistant Professor in Department of Dermatology, LTMG Hospital
- Selected as a PG and UG teacher by Maharashtra University of Health Sciences (MUHS) Nashik
- Life member of Indian Association of Dermatology, Venereology and Leprology
- Member of Cosmetology Society of India
- Member of American Society of Cosmetology and Aesthetic Surgery
- Member of Indian Society of Pediatric Dermatology
- Life member of the Pemphigus and Pulse therapy foundation
- Member of International Society of Dermatology
- Chairperson at the forty first National Conference of Indian Association of Dermatologists, Venereologists & Leprologists, 24-27thJan 2013, Ahmadabad.
- E-posters Coordinator, Cuticon 2013,17-20thOct 2013, Mumbai
- Joint secretary, IADVL Maharashtra Branch (Year 2013-2014)

Dr. Ameet Dandale

- Assistant Professor in Department of Dermatology, LTMG Hospital
- Life member of Indian Association of Dermatology, Venereology and Leprology
- Member of Indomedicon
- Reviewer of International Journal of Dermatology
- Fellowship for the EADV Congress 2013, Krakow, Poland at reduced fee by the Congress President and by the Local Scientific Committee.

Scientific Programmes Organised

- Dermatosurgery Quizfor 1st year to 3rd year MD students 17thFeb 2013, Physiology Lecture Hall, LTM Medical College and General Hospital, Sion
- MD & DVD Skin exam
- 22nd& 23rd May 2013,Physiology Lecture Hall, LTM Medical College and General Hospital, Sion
- Bimonthly clinical meeting of Indian Association of Dermatologists, Venereologists & Leprologists-Maharashtra branch 28th June 2013 Physiology Lecture Hall, LTM Medical College and General Hospital, Sion

Guest Lectures/Workshops/Cme/Seminar

Dr. R S Dhurat

- Pattern hair loss, Clinical Updates, 16th June 2013, Bombay Hospital
- Female pattern hair loss, CME, Glenmark Pharmaceuticals, 17th July 2013, Mumbai
- Platelet on rich plasma, Training for Dermatologists, 7th Sept 2013, Nagpur
- An approach to a patient of hair loss, Cuticon, 29th Sept 2013, Rajasthan
- Diffuse hair loss, Cuticon, 23rd Nov 2013, Jharkhand
- Platelet on rich plasma, Training for Dermatologists, 24th Nov 2013, Mumbai

Dr. M M Phiske

- Presenting a paper, PGCON (PG lecture series), 13-14th April 2013, KEM Hospital, Mumbai
- Superficial fungal infections excluding onychomycosis, Cutaneous infection and infestations an update, 30th June 2013, Mumbai
- History taking and risk assessment in RTIs/STIs and Approaches for RTI/STI management, Mumbai District AIDS Control Society as a part of STI/RTI 2 days induction training for doctors in public health setup, 26th Aug 2013, Wadala, Mumbai

Papers Presented at Various Conferences

Dr. M. M. Phiske

- Evaluation of significance of minor criteria for diagnosis of atopic dermatitis
- Forty first National Conference of Indian Association of Dermatologists, Venerologists & Leprologists, 24-27th Jan 2013, Ahmadabad

Dr. Smita S. Ghate

- Interesting cases International Society of Dermatopathologist conference on 27th -28th Feb 2013 at Miami, USA
- A case of malignant hidradenoma International Society of Dermatopathologist conference on 27th -28th Feb 2013 at Miami, USA

Publications In Journals

M. M. Phiske, G. Avhad, HRJerajani

- Keratoacanthoma centrifugum marginatum at an unusual site, Indian Journal of Dermatology, issue 58, 2013, pg 74-76

HRJerajani, C. Janaki, Sharat Kumar, M M Phiske

- Comparative assessment of the efficacy and safety of sertaconazole (2%) cream versus terbinafine cream (1%) versus luliconazole (1%) cream in patients with dermatophytoses: A pilot study, Indian Journal of Dermatology, issue 58, 2013, pg 34-38

Viswanath V, M M Phiske, Gopalani V V

- Systemic sclerosis: Current concepts in pathogenesis and therapeutic aspects of dermatological manifestations, Indian J Dermatol 2013;58: 255-68

Tainwala RR, Phiske M M, Raghuwanshi A, Mathapati S, Manjare AK, Jerajani HR

- Perplexing purpura in two females: Rare case of autoerythrocyte sensitization syndrome, Indian Dermatol Online J 2013;4:305-8

Sheena Bansal, M M Phiske, H R Jerajani

- Multiple nodules on scalp in a middle-aged female, International Journal of Dermatology, Volume 52, Issue 2, pages 209-211, February 2013

A L Dandale, R S Dhurat, S S Ghate

- Papulonecrotic tubercled of glans pevis: A common disease at an uncommon site, IJSTD, 34 (2), 132-134

A L Dandale, S S Ghate, R S Dhurat

- Perianal pseudoverrucous papules & nodules, IJSTD, 34(1), 44-46

A L Dandale, Nandini Gupta, R S Dhurat, S S Ghate

- Unusual presentation of lichen scrofulosorum, IJDVL, 79(3), 436-438

Dr Rachita Dhurat, Sukesh MS, A L Dandale

- A randomized evaluator blinded study of effect of microneedling in androgen alopecia: International Journal of Trichology, 5(1), 6-11

A L Dandale, Meeta Mantri, Viral Thakkar, R S Dhurat, S S Ghate

- Bower's disease: An unusual clinical presentation accepted for publication in Indian Dermatology Online Journal

Meeta Mantri, A L Dandale, R S Dhurat, S S Ghate

- Pedumoulated poroma on forearm: A rare clinical presentation. Accepted for publication in Indian Dermatology Online Journal

Award Winning Papers/Dissertation/Thesis

Dr. Ameet Dandale

- Prize for poster titled "Cyclosporine induced PRES syndrome", Dermazone 2013, 17th to 20th Oct, Ramada Hotel, Powai, Mumbai

Dr. R S Dhurat

- "Randomized Study of the Effect of Microneedling in Androgenetic Alopecia." Received IADVL oration award, International Congress of Dermatology, Delhi on 4th Dec 2013.

Prizes Won by Undergraduates/Postgraduate Students

Dr. Meeta Mantri

- Histopathology of Melasma. An Insight into the Pathogenesis, Prof. B.N.Banerjee Gold Medal Award for Best Original Research study in award paper session, 41th National Conference of Indian Association of Dermatologists, Leprologists & Venereologists - Dermacon 25th to 27th Jan 2013, Ahmedabad.

Dr. Mona Khadke

- Disseminated Cutaneous Herpes Infection in Psoriasis, First prize for PG poster presentation in Trinity 2013, 14th to 15th Feb 2013, LTMG Hospital.

Research Projects Undertaken

1. Efficacy and Safety of Tazarotene Microsphere gel 0.1% (Sun Pharma Advanced Research Company Limited) in patients with Facial Acne Vulgaris: A Randomized, Observer Blind, Multi-centre, Placebo and Active Controlled Comparative Study
2. A multicenter, double blind, randomized withdrawal extension study of subcutaneous secukinumab in prefilled syringes to demonstrate long-term efficacy, safety and tolerability up to 2 years in subjects with moderate to severe chronic plaque-type psoriasis completing preceding psoriasis phase III studies with secukinumab
3. Randomized, comparative controlled, dosed label study of efficacy of topical Halobetasol versus topical clobetasol in patients with localized psoriasis
4. A Phase II, Randomized Assessor-Blind, Placebo-Controlled, Multicenter, Comparative, Prospective, Study to Assess The Efficacy & Safety of Vivacure Cream in Immunocompetent Patients With Genital Herpes Due to Herpes Simplex Virus - 2 Infection

1. Specialized services available in the department.

- Chemical Cauterization
- Electrical cauterization
- Radiocautery
- Cryotherapy
- PUVA Therapy - Whole body & hand & foot unit available
- Punch grafting and suction blister technique - Instruments for performing the above available.
- Platelet rich plasma preparation
- Dermabrasion
- Application of DPCP

2. Specialized investigations available in the department.

- Immunofluorescence of skin section
- Histopathology of skin sections
- Scrappings for fungus/parasites
- Tissue/fluid smears - Various staining techniques
- Wood Lamp exam
- Others -Dermatoscopy, Trichoscan, Patch testing for allergic testing.

Speciality clinics being run by the department

Day	Clinic
Monday, Wednesday, Friday	Hansen Clinic
Monday/ Friday	Histopathology
Tuesday	Steroid follow up Clinic Contact Dermatitis Clinic
Wednesday	Psoriasis Clinic

Wednesday & Saturday	Radiocautery
Thursday	Hair Disorder Clinic Vitiligo Clinic
Friday	Acne Clinic, Melasma Surgical procedure Chemical Peel
Saturday	Cryotherapy
Daily	Procedure, Photography, Phototherapy

Nos. Admissions (OPD) for the year 2013- 47400

Nos. of admissions (IPD) for the year 2013 - 110



DEPARTMENT OF E.N.T

Achievements / Awards/ Fellowship/ Positions/ Orations:

Dr. Renuka Bradoo

Course Director - For Following Workshops:

1. Functional Endoscopic Sinus Surgery workshop (July 2013)
2. Endoscopic anterior Skull Base surgical workshop (11th / 12th Jan 2013)
3. Laryngotracheal stenosis surgical workshop (13th / 14th Jan 2013)
4. Laryngotracheal stenosis surgical workshop (Sept. 2013)

Dr. Anagha Joshi

Course Coordinator - for following workshops:

1. Endoscopic anterior Skull base surgical workshop (Jan 2013)
2. Functional Endoscopic Sinus Surgery Workshop (July 2013)
3. Laryngotracheal stenosis surgical workshop (Jan 2013)

Dr. Kshitij Shah

Organizing Secretary - for following workshops:

1. Endoscopic anterior Skull base surgical workshop (Jan 2013)
2. Functional Endoscopic Sinus Surgery Workshop (July 2013)
3. Laryngotracheal stenosis surgical workshop (Jan. 2013)

Dr. Rahul Modi

Organizing Secretary - for following workshops:

1. Endoscopic anterior Skull base surgical workshop (Jan 2013)
2. Functional Endoscopic Sinus Surgery Workshop (July 2013)
3. Laryngotracheal stenosis surgical workshop (Jan. 2013)

Panelists:

Dr. R.A.Bradoo

1. KEM/ Hinduja Hospital: Moderator of panel on complications of FESS
2. Endoscopic sinus surgery at LTMGH : panelist for complications of FESS
3. Pune MENTCON Dec 2013: Moderator of panel on Functional Endoscopic Sinus Surgery
4. MUMBAICON Feb 2013: Panelist in Skull Base Panel
5. CME at LTMGH, AOI Mumbai West :Tutorials session for PG students on "how to read CT PNS"

Dr. Anagha Joshi

1. AOICON 2013 Pune: Panelist in discussion on laryngeal disorder
 2. PHONOCON Mumbai 2013: Panelist on discussion on voice disorder
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3. Functional Endoscopic Sinus Surgery Workshop July 2013: Panelist on Complications of FESS
4. KEM/ Hinduja Hospital: Panelists on complications of FESS

Scientific Programme organized by LTM Medical College & General Hospital

- Endoscopic anterior skull base surgical workshop LTMG Hospital 11th & 12th Jan. 2013
- Laryngotracheal stenosis surgical workshop LTMG Hospital 13th & 14th Jan. 2013
- XII Basic Endoscopic Sinus Surgery workshop LTMG Hospital 25th to 28th July 2013
- CME (clinical meeting) LTMG Hospital Nov. 2013
- Guest lecturers / workshop / CME / Seminars :

Dr. R.A.Bradoo

- The Skull Base workshop Nagpur 11th May 2013
- Evaluation and Management of the Compromised Airway Bombay hospital 11th may 2013
- Management of Laryngotracheal stenosis Goa medical college 3rd Aug 2013
- Radio tutorial CT (PNS) Mumbai branch CME 26th October 2013
- The shared airway- concerns in ENT anaesthesia Hinduja hospital 1st Dec 2013
- Skull Base Surgery Jhansi
- Airway stenosis Indore
- Radiodiagnosis in PNS Mumbai West branch of AOICON Conference,3rd march

Dr. Anagha Joshi

- Vocal Cord Sulcus PHONOCON Vijaywada 8th march 2013
- Laryngopharyngeal reflux PHONOCON MUMBAI 2013
- Laryngopharyngeal reflux CME at BARC Mumbai 2013
- Fat Injection of Vocal Cords MENTCON Pune 2013

Dr. Kshitij Shah

- HRCT temporal Bone, AOI Mumbai west, March 2013
- Interesting Cases, ENT connect, April 2013
- Bleeding in endoscopic sinus surgery : how to manage it??
- Functional endoscopic sinus surgery workshop at LTMGH,July 2013
- Use of Endoscopic sinus surgery instruments,Functional endoscopic sinus surgery workshop at LTMGH,July 2013
- Factors affecting outcome in endoscopic sinus surgery,Functional endoscopic sinus surgery workshop at LTMGH,July 2013

Dr. Rahul Modi

- Endoscopic DCR, FESS workshop,LTMMC Mumbai July 2013
- Allergic fungal rhinosinusitis, FESS workshop, LTMMC Mumbai July 2013

Paper presentation at National & International conferences :

Dr. Kshitij Shah

- Grade III /IV Laryngotracheal stenosis Isocon, Bangalore Conference On Neuroendoscopy, Mumbai

Dr. Rahul Modi

- Factors affecting shoulder function after nerve sparing neck dissection Aoicon, Pune
- When CT scan made all the difference Mentcon, Pune
- Endoscopic repair of CSF Rhinorrhea from frontal sinus Mentcon, Pune

Dr. Ajay Shedge

- Orbital endoscopy-is the answer to lesions lateral to optic nerve? Aoicon, Pune

Dr. Tanvi Lohiya

- Laryngotracheal stenosis Phonocon (Poster), Mumbai Conference On Neuroendoscopy, Mumbai

Dr. Bhagyashri Chiplunkar

- Evolution of ossicular chain and human intervention - Aoicon, Pune
- Kashima's cordotomy Mentcon, Pune

Dr. Sushma Jaiswar

- Healing of nasal mucosa after extensive sinonasal surgery Mumbaicon, Mumbai
- Phonocon (Poster), Mumbai

Dr. Harshita Satam

- The worm effect of JNA Mentcon, Pune

Dr. Shailesh Agrawal

- Definitive management of acute laryngotracheal injuries Mentcon (Poster), Pune
- Publications: (At State / National / International journals only):

Dr. Kshitij Shah

- The efficiency of titanium middle ear prosthesis in ossicular chain reconstruction: our experience

Dr. R.A.Bradoo

- Factors affecting the outcome of Frontal Sinus surgery: a prospective study

Award winning papers / Dissertations / Thesis

Dr. Rahul Modi

- Endoscopic CSF rhinorrhoea repair from frontal sinus Jalgaon mentcon award (video session -1st prize), Mentcon

Dr. Ajay Shedge

- Orbital endoscopy-is the answer to lesions lateral to optic nerve? Sandra D'souza PG award paper (2nd prize), Aoicon

Dr. Sushma Jaiswar

- Healing of nasal mucosa after extensive sinonasal surgery Dr. J V Desa resident award (3rd prize), Mumbaicon

Dr. Harshita Satam

- The worm effect of JNA S.P Lunavat PG award paper (1st prize), Mentcon

Prize won by postgraduate students

Dr. Ajay Shedge

- Orbital endoscopy
- Sandra D'souza PG award paper (2nd prize), Aoicon

Dr. Sushma Jaiswar

- Healing of nasal mucosa after extensive sinonasal surgery
- Dr. J V Desa resident award (3rd prize), Mumbaicon

Dr. Harshita Satam

- The worm effect of JNA
- S.P Lunavat PG award paper (1st prize), Mentcon
- Research Activities: (State/Central Govt. & MUHS funded/ sponsored only) :

Dr. Tanvi Lohiya

- Clinical spectrum & factors affecting outcome in Allergic Fungal Rhinosinusitis
- MUHS sanctioned (not funded)
- Ethics Committee approved

Dr. Bhagyashri Chiplunkar

- Prevalance of laryngo -pharyngeal reflux in patients with voice disorder
- MUHS sanctioned (not funded)
- Ethics Committee approved

Any significant special activity with details :

- Oncology clinic: every Wednesday in ENT OT, LTMGH.
- Voice clinic: every friday in ENT OT, LTMGH.
- Cochlear implant programme.
- School health programme (Sarvashikshan Abhiyan)



DEPARTMENT OF FORENSIC MEDICINE

DEPARTMENT OF GASTROENTEROLOGY

DEPARTMENT OF MEDICINE

DEPARTMENT OF MICROBIOLOGY

Achievements / Awards / Fellowship / Positions / Orations:

Dr. Sujata Baveja

- Life Member of Indian Association of Medical Microbiologists
- Executive member of Hospital Infection Society of India.
- Joint Secretary, Mumbai Forum of Hospital Infection Society (HIS)
- Convenor of Hospital Infection Control Committee (HICC), LTMMC & LTMGH
- Co-ordinator of HIV Core Committee, LTMMC & LTMGH
- Reviewer for Indian Journal of Medical Microbiology
- Reviewer for Journal of Ayurveda
- NABL Assessor for Testing Laboratories
- Executive member of Staff Research Society, LTMMC.
- Executive member of Silver Jubilee Research Foundation, LTMMC.
- Co-ordinator for Training Program for Engineers and Infection Control focal points from peripheral hospitals in August and September, 2013

Dr. Uma Tendolkar

- Life Member of Indian Association of Medical Microbiologists
- Life Member of Society of Indian Human and Animal Mycologists (SIHAM)
- Executive Member of Society of Indian Human and Animal Mycoses (SIHAM)
- Organizing Secretary of CME on Mycology - MycoLab Trends 2013, September 2013.
- Co-ordinator in Panel Discussion on "The Mycology Laboratory: Clinicians' perspective and expectations" in CME on Mycology - MycoLab Trends 2013, September 2013.
- Member of International Society of Indian Human and Animal Mycoses (ISHAM)
- Associate Editor of Newsletter of SIHAM
- Judge for Dr. P.M. Khare Best Paper Award in XIX Maharashtra Chapter Conference, September 2013, Pune.
- Chairperson for Mycology Oral Paper Session in XIX Maharashtra Chapter Conference, September 2013, Pune.
- Member of Organizing Committee in CME on Outbreak Management, HISICON 2013 in February 2013.
- Organized Teaching Pathologists and Microbiologists Meet in September 2013.

Dr. Anuradha De

- Life Member of Indian Association of Medical Microbiologists
- Life Member of Infectious Diseases Society of India
- Life Member of National Academy of Tropical Parasitology

- Member of Medical Education Unit (MEU), LTMMC.
- Biological Scientist of Institutional Animal Ethics Committee (IAEC), LTMMC
- Reviewer for Journal Burns
- Reviewer for African Journal of Microbiology Research
- Reviewer for Journal of Evolution of Medical and Dental Sciences
- Reviewer for American Journal of Infectious Diseases
- Reviewer for British Medical Research Journal
- Joint Organizing Secretary in CME on Outbreak Management in HISICON 2013, Mumbai, February 2013.
- Quiz Master in CME on Outbreak Management in HISICON 2013, Mumbai, February 2013.
- Judge for Oral Paper Presentation in HISICON 2013, Mumbai, February 2013.
- Chairperson for "Case Discussion" in CME on Mycology - MycoLab Trends 2013, September 2013.

Dr. Dilip Turbadkar

- Life Member of Indian Association of Medical Microbiologists

Dr. Chaya A. Kumar

- Life Member of Indian Association of Medical Microbiologists
- Life Member of Society of Indian Human and Animal Mycologists (SIHAM)
- Member of Medical Education Unit (MEU), LTMMC.

Dr. Alka Sonavane

- Life Member of Indian Association of Medical Microbiologists

Dr. Shripad Taklikar

- Life Member of Indian Association of Medical Microbiologists

Scientific Programmes organized by LTMMC and LTMGH

- CME on Outbreak Management in National Conference of Hospital Infection Society of India (HISICON 2013) February 2013, LTM Medical College & Hospital
- 5-days training for Laboratory Technicians August 2013, LTM Medical College & Hospital
- 5-days training for Engineers and Infection Control focal points from peripheral hospitals September 2013, LTM Medical College & Hospital
- Residents' Orientation Programme September 2013, LTM Medical College & Hospital
- CME on Mycology - MycoLab Trends 2013 September 2013, LTM Medical College & Hospital
- EQAS Workshop for District Reference Laboratories October 2013, LTM Medical College & Hospital

Guest Lectures / Workshop / CME / Seminars

Dr. Sujata Baveja

- Panelist in Panel discussion on "Antibiotic Stewardship Programme" in Annual AOI Conference - Mumbai Branch at Mumbai, February 2013.
- "Laboratory diagnosis of Extrapulmonary Tuberculosis" in Seth GSMC & KEM Hospital, Mumbai, April 2013.
- "Airborne infection control" in Seth GSMC & KEM Hospital, Mumbai, August 2013.
- "Airborne Infection Control" in XXXVII National Conference of Indian Association of Medical Microbiologists, Hyderabad, November 2013.
- "Combatting drug resistance" in Global Hospitals, Mount Abu, November 2013.
- "Laboratory diagnosis of Hepatitis" in CME on Hepatitis, LTMMC & LTMGH, Mumbai, December 2013.
- "Early Infant diagnosis of HIV" in International Conference on HIV & AIDS, IHO, Mumbai, December 2013.

Dr. Uma Tendolkar

- "Fungal Rhinosinusitis - The long and short of it." In XIX Maharashtra Chapter Conference, Mahamicrocon 2013, AFMC, Pune, September 2013.
- "Conventional and Rapid methods of diagnosis of Fungal infections" in CME on Mycology - "MycoLab Trends 2013", L.T.M. Medical College & Hospital, Mumbai, September 2013.
- "Copmbatt
- "Antifungal Susceptibility - Present status." In Dermazone West 2013, Hotel Ramada, Mumbai, November 2013.

Dr. Anuradha De

- "An Overview of Non sporing Anaerobic Infections." In XXXVII National Conference of Indian Association of Medical Microbiologists, NIMS, Hyderabad, November 2013.
- "Protocol Designing." In NBE Research Methodology Workshop, L.T.M. Medical College & Hospital, Mumbai, December 2013.

Dr. Dilip Turbadkar

- 1) Detection of HIV infection - testing protocols and strategies; 2) Process flow of client at ICTC/PPTCT for HIV counseling and testing. In 5-days training for Laboratory Technicians. LTM Medical College & Hospital, August 2013.

Dr. Anita Ramchandran

- Laboratory diagnosis of HIV infection. In Integrated Teaching Program on HIV infection and AIDS for IInd/IIIrd MBBS students & OT/PT students. LTM Medical College & Hospital, January 2013.
 - HIV testing and Counselling. In Interns' Orientation Program. LTM Medical College & Hospital, February 2013.
 - 1) Virology and Pathology of HIV testing; 2) Elements of Total Quality Management/Quality Systems Essentials; 3) Inventory and Stock Management. 4) Document Control. In 5-days training for Lab. Technicians. LTM Medical College & Hospital, August 2013.
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Dr. Desma D'Souza

- Biosafety: Practical considerations. In 5-days training for Lab. Technicians. LTM Medical College & Hospital, August 2013.

Dr. Mrudul Randive

- 1) Equipment Maintenance and calibration; 2) Common errors, causes and trouble shooting. In 5-days training for Lab. Technicians. LTM Medical College & Hospital, August 2013.

Dr. Harshal Parikh

- Collection, Transport and Storage of blood samples. In 5-days training for Lab. Technicians. LTM Medical College & Hospital, August 2013.

Papers presented at various conferences with abstracts of not more than 100 words

- **Audit of clinical specimens received in the Department of Microbiology.** – Baveja S, De A, D'Souza D, Randive M, Tayal R National Conference of Hospital Infection Society of India, HISICON 2013; Tata Memorial Hospital, Mumbai, February 2013.
- **Changing antibiotic susceptibility pattern of blood culture isolates in 2005 and 2010.** De A, Baveja S, Renake P, National Conference of Hospital Infection Society of India, HISICON 2013; Tata Memorial Hospital, Mumbai, February 2013
- **Antibiotic susceptibility pattern of different aerobic bacteria isolated from patients with ventilator associated pneumonia (VAP) in a tertiary care hospital.** Baveja S, De A, Rukdikar A, Gohel T., National Conference of Hospital Infection Society of India, HISICON 2013; Tata Memorial Hospital, Mumbai, February 2013
- To study the incidence, risk factors, outcome and associated pathogens in patients on central venous catheters in medical ICU of tertiary care hospital. Deshpande D, Baveja S, De A, Taklikar S, Attar F., National Conference of Hospital Infection Society of India, HISICON 2013; Tata Memorial Hospital, Mumbai, February 2013
- Study of surgical site infection amongst orthopedic patients in a tertiary care hospital. Kishore A, Baveja S, De A, Patkar R., Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013
- Antibiotic susceptibility pattern of bacteria isolated in 2012 - The ESKAPE menace. A De, S Baveja, D D'Souza, K Wanjari, S Patwegar, Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013
- Cryptococcal Meningitis with Meningothelial Meningioma in an HIV Positive Patient. Tendolkar U, Baveja S, Khare M, Sharma A, Renake P, Pokharnikar S. - Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013
- Study of detection of Cryptosporidium species in fecal specimens by commercially available ELISA and Modified acid fast stain. Sakat S, Pai A, De A, Baveja S, Pawar S., Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013
- Study of Seroprevalence of HIV, HBV, HCV and Seroprevalence of HIV with HBV and HCV in High risk groups. G Madhu, D Turbadkar, S Baveja, S S Das., Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013
- Campylobacter jejuni from perforated gastric ulcer - A rare case. Tayal R, Baveja S, De A., Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013

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Abstracts

AUDIT OF SAMPLES RECEIVED IN THE DEPARTMENT OF MICROBIOLOGY

Baveja S, De A, Randive M, D'Souza D

National Conference of Hospital Infection Society of India, HISICON 2013; Tata Memorial Hospital, Mumbai, February 2013

Baveja S, De A, Randive M, D'Souza D

Meeting of Staff Research Society (SRS); L.T.M. Medical College & Hospital, Mumbai, February 2013

Introduction: The clinical specimens received in the Department of Microbiology are often sent in unsterile and inappropriate conditions and accompanied with inadequately filled requisition forms. This leads to loss of precious samples and time.

Objective: Training of the doctors from the Departments of Medicine, Surgery, Pediatrics and Obstetrics & Gynaecology, regarding proper specimen collection and transport.

Material and methods: Pre-training audit of the inappropriately received specimens from April to June 2012 was conducted followed by training of doctors in the month of July 2012 and a post-training audit of inappropriately received samples in the month of August to October 2012.

Results: The numbers of inappropriate pus, respiratory, anaerobic specimens were 37.8%, 61.2% and 73.6% respectively in the pre-training audit. After training of doctors, the number of inappropriate specimens reduced to 22.3%, 11.3% and 54.7% respectively. Amongst the sterile body fluids, significant reduction in the number of inappropriate specimens was seen in pleural fluids from 37.6% to 0% followed by ascitic fluid from 59.3% to 37.7%. Inappropriate CSF samples decreased from 39.8% to 32.8% after training. The inappropriately collected urine samples decreased from 47.6% to 23.1% after training; whereas solid stool samples for hanging drop decreased from 16.3% to 1.6% after training.

Conclusion: After training of the doctors, there was a significant improvement in the quality of specimens received by the Department, thus emphasizing the importance of bench to bedside approach.

CHANGING ANTIBIOTIC SUSCEPTIBILITY PATTERN OF BLOOD CULTURE ISOLATES IN 2005 AND 2010

De A, Baveja S, Renake P

National Conference of Hospital Infection Society of India, HISICON 2013; Tata Memorial Hospital, Mumbai, February 2013

Introduction: Septicemia is commonly caused by Gram-positive cocci as well as Gram-negative bacilli. Problems faced are specially with Methicillin Resistant *Staphylococcus aureus* (MRSA), Vancomycin Resistant Enterococci (VRE) and Multidrug resistant Gram-negative bacilli (MDR-GNB).

Objectives: A retrospective study was undertaken to compare the antimicrobial susceptibility pattern

of all blood culture isolates during a 6-month period (July to December) in 2005 and 2010 in a tertiary care hospital.

Materials and Methods: Antimicrobial susceptibility test was performed for all bacteria recovered from blood cultures on Mueller Hinton Agar (MHA) by Kirby-Bauer Disc Diffusion Method (KBDDM), according to CLSI guidelines.

Results: Overall growth in blood cultures was <25% in 2005 as well as in 2010. Contamination was >5% in both the years. In adults, Gram-positive cocci predominated (59%) in 2005 but in 2010, Gram-negative bacilli predominated (71%). All septicemic isolates showed marked reduction in cephalosporin susceptibility in 2010 as compared to that in 2005. All MRSA were susceptible to vancomycin and linezolid in both the years. VRE increased from 2.7% in 2005 to 12.5% in 2010. Maximum MDR was encountered in *Klebsiella pneumoniae* (48% in 2005 and 32% in 2010), followed by *Escherichia coli* (40% in 2005 and 23.4% in 2010).

Conclusion: VISA/VRSA was not reported from blood cultures in both the years, but isolation of VRE has increased. Prevalence of MDR Gram-negative bacilli was >20% in both the years.

ANTIBIOTIC SUSCEPTIBILITY PATTERN OF DIFFERENT AEROBIC BACTERIA ISOLATED FROM PATIENTS WITH VENTILATOR ASSOCIATED PNEUMONIA (VAP) IN A TERTIARY CARE HOSPITAL

Baveja S, De A, Rukdikar A, Gohel T

National Conference of Hospital Infection Society of India, HISICON 2013; Tata Memorial Hospital, Mumbai, February 2013

Rationale: Ventilator associated pneumonia is a common complication of ventilator support for patients with acute respiratory failure and is associated with increased morbidity and mortality.

Aim: The present study was carried out on patients with suspected VAP. Cultures of endotracheal aspirates of clinically suspected patients of VAP.

Material and Methods: This study was carried out on patients with suspected VAP. Cultures of endotracheal aspirates using a cut-off point of 10⁵ cfu/ml were done.

Results: The microbiological results revealed that gram-negative bacilli (87 %) were the most common bacterial agents responsible for VAP. The commonest gram-negative bacilli isolated were *Acinetobacter* spp. (47 %), followed by *Pseudomonas aeruginosa* (16 %). Among the gram-positive cocci, the most commonly isolated were *Streptococcus* spp. (8 %), followed by MRSA (4 %) and MSSA (1 %). *Acinetobacter* spp. isolates showed 99.6 % sensitivity to carbapenems and 65.5 % sensitivity to piperacillin-tazobactam. *Pseudomonas aeruginosa* isolates showed 97 % sensitivity to carbapenems, followed by 95.04 % to amikacin and 89.1 % to piperacillin-tazobactam. All MRSA isolates showed 100 % susceptibility to vancomycin and linezolid.

Conclusion: VAP is an important nosocomial infection with increasing multidrug resistant bacteria. The commonest cause of VAP in this study was gram-negative bacilli.

TO STUDY THE INCIDENCE, RISK FACTORS, OUTCOME AND ASSOCIATED PATHOGENS IN PATIENTS ON CENTRAL VENOUS CATHETERS IN MEDICAL ICU OF A TERTIARY CARE HOSPITAL

Deshpande D, Baveja S, De A, Taklikar S, Attar F

National Conference of Hospital Infection Society of India, HISICON 2013; Tata Memorial Hospital, Mumbai, February 2013

Introduction: Nosocomial infections, even in this modern era of antibiotics, continue to remain an important and formidable consequence of hospitalization. Vascular access by use of intravenous (I.V.) catheters is an essential element of modern medical care, particularly in intensive care units

(ICU). Vascular catheters interrupt the protective barrier of the skin and enable microorganisms potentially to gain direct access to the bloodstream causing catheter related infections.

Material and Methods: 200 consecutive adult patients on central venous catheter admitted in MICU constituted the study population and among them those who developed systemic signs and symptoms of infections after 48 hours of admission were included in the study. Relevant samples were collected for processing.

Results: Among study population, 47(23.5%) patients developed central line related local infection and 7 (3.5%) patients developed central line associated blood stream infection (CLABSI). Incidence of CLABSI was 4.55% per 1000 central line days. Risk factors observed in local catheter infections due to central line catheter were Diabetes mellitus (28.57%), Ventilator (71.42%), Immunocompromised condition (71.42%) and end stage renal disease (67%). Gram negative isolates (71.42%), Gram positive isolates (14.28%), and *Candida albicans* (14.28%) were common isolates from CLABSI. Outcome was not significantly associated with local catheter infections (p value>0.05). Patients who developed systemic infection (n=7) all expired (100%) showing the increased risk of mortality in these patients.

Conclusion: Central venous catheterizations have an increased risk of developing local and systemic catheter associated infections particularly with risk factors. Hand hygiene constitutes the mainstay of preventing infection.

STUDY OF SURGICAL SITE INFECTION AMONGST ORTHOPEDIC PATIENTS IN A TERTIARY CARE HOSPITAL

Kishore A, Baveja S, De A, Patkar R.

Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013, A. Kishore, S. Baveja, A. De, S. Pokharnikar, XXXVII National Congress of Indian Association of Medical Microbiologists, Microcon 2013; NIMS, Hyderabad, November 2013

Baveja S, Kishore A, De A, Renake P

476th Teaching Pathologists and Microbiologists Meet; L.T.M. Medical College & Hospital, Mumbai, August 2013

Introduction: Surgical Site Infection (SSI) is the third most commonly reported infection accounting for 14 to 16% of all health care associated infections among hospitalized patients. SSI remains a major cause of morbidity and mortality among hospitalized patients despite improvements in infection control practices.

Objectives: The present study was conducted with the aim of determining the incidence of SSI in orthopedic patients with their risk factors, causative organisms of SSI and their antimicrobial susceptibility pattern.

Materials and methods: A total of 300 adult patients admitted and operated in orthopedic department in this hospital were included. Wound swabs were collected in patients showing signs and symptoms of SSI and cultured on Blood agar and MacConkey's agar and incubated at 37°C overnight. Any growth obtained was identified by standard biochemical tests and antimicrobial susceptibility was done as per CLSI guidelines.

Results: Overall incidence of SSI was 12.33% (37/300). Significant risk factors for developing SSI were amputation (57.14%), raised preoperative blood sugar level (33.33%) and contaminated wound (30.19%). Culture positive SSI was seen in 70.27% (26/37) infected patients. Most common organism isolated was *Staphylococcus aureus* (40%), followed by *Escherichia coli* (20%). There were 5 MRSA isolates which were 100% susceptible to vancomycin, linezolid and netilmycin, but all of them

showed Inducible Clindamycin Resistance (ICR). E. coli showed 66.67% and 33.33% susceptibility to amikacin and ciprofloxacin respectively.

Conclusion: Staphylococcus aureus is the commonest organism causing orthopedic SSI. Stringent infection control practices have to be followed in order to reduce the incidence of SSI.

ANTIBIOTIC SUSCEPTIBILITY PATTERN OF BACTERIA ISOLATED IN 2012 - THE ESKAPE MENACE

A De, S Baveja, D D'Souza, K Wanjari, S Patwegar

Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013

A. De, S. Baveja, D. D'Souza, K. Wanjari, R. Tayal, XXXVII National Congress of Indian Association of Medical Microbiologists, Microcon 2013; NIMS, Hyderabad, November 2013

A De, S Baveja, K Wanjari, D D'Souza

476th Teaching Pathologists and Microbiologists Meet; L.T.M. Medical College & Hospital, Mumbai, August 2013

Introduction: Antibiotic exposure increases the risk of resistance in bacteria. The six ESKAPE bacteria are responsible for two-thirds of all health care associated infections.

Objectives: We intended to find out the antibiotic susceptibility pattern of bacteria isolated from various specimens in 2012.

Materials and methods: Pus swabs (6112), Respiratory samples (2465), Blood cultures (5931) and Urine (4818) were processed and bacteria identified by standard biochemical tests. Antibiotic susceptibility was put up on Mueller Hinton Agar according to CLSI guidelines.

Results: Maximum growth was seen from pus swabs (51.49%), followed by respiratory samples (35.66%), urine (14.43%) and blood cultures (14.16%). Overall Gram negative bacilli (GNB) isolated was 77% and GNB predominated in pus samples. MDR was mainly seen with Proteus spp. (50%), followed by Acinetobacter spp. (48%) and Pseudomonas aeruginosa (46%). Imipenem susceptibility for all bacteria was more than 80%, except in some respiratory samples. Both MDR and carbapenem resistant bacteria increased in 2012 as compared to 2011. Staphylococcus aureus was the major Gram positive isolate in pus samples and enterococci in urine. S. aureus showed 100% susceptibility to linezolid and one Vancomycin Intermediate susceptible S. aureus was recovered from blood culture and 33.86% of all MRSA showed inducible clindamycin resistance. Three Vancomycin Resistant Enterococci were isolated and 23.36% of enterococci showed High Level Aminoglycoside Resistant.

Conclusion: Judicious use of antibiotics may help to control the ESKAPE menace.

CRYPTOCOCCAL MENINGITIS WITH MENINGOTHELIAL MENINGIOMA IN AN HIV POSITIVE PATIENT

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Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013

A 35 year male patient was admitted with history of neurological symptoms for 2 days. On investigations the patient was diagnosed of having parasagittal space occupying lesion. The patient had history of previous admission at another hospital 4 months back for acute febrile illness, when patient was diagnosed as HIV positive and having pneumocystis carinii pneumonia. The patient responded to treatment and was discharged after 17 days. He was readmitted 4 months later. The patient underwent frontoparietal craniotomy and excision of the localised lesion. CSF was collected

during the procedure. Fungal examination of it showed capsulated yeasts and culture grew *Cryptococcus neoformans* serotype D. Histopathology of the localised lesion showed meningotheial meningioma. The patient was thus diagnosed of an unusual dual lesion of cryptococcal meningitis and meningotheial meningioma. The patient was treated with amphotericin B but succumbed to the diseases.

STUDY OF DETECTION OF CRYPTOSPORIDIUM SPECIES IN FECAL SPECIMENS BY COMMERCIALY AVAILABLE ELISA AND MODIFIED ACID FAST STAIN

Sakat S, Pai A, De A, Baveja S, Pawar S

Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013

S Sakat, A Pai, A De, S Baveja, T Gohel

National Conference of National Academy of Tropical Parasitology, TROPACON 2013; SGPGIMS, Lucknow, September 2013

Introduction: Cryptosporidium species is reported as the most common parasitic cause of diarrhea in HIV infected individuals with the incidence increasing as CD4 count drops below 200cells /cu mm. Although this can cause severe morbidity and mortality, it is treatable if early and accurate diagnosis is done.

Objectives: The purpose of this study was to compare the Modified acid fast stain with rapid antigen detection by ELISA for detection of cryptosporidium in stool samples along with correlation with CD4 count in HIV infected individuals.

Materials and methods: This study was carried out on 100 HIV infected patients in a tertiary care hospital from January 2010 to June 2011. Wet and iodine mounts were performed from the stool samples and smears stained with Modified acid fast stain. Cryptosporidium antigen detection was performed by ELISA, using IVD Research Inc Cryptosporidium antigen assay. Data was analysed by applying appropriate statistical test.

Results: Oocysts of Cryptosporidium were detected in 12% cases by Modified acid fast stain and in 18% by ELISA. Sensitivity and specificity of the antigen assay were 100% and 93.18% respectively. Oocysts of Isospora were also detected by Modified acid fast stain. Other parasites found by wet mount were cysts of *E.histolytica* and *Giardia lamblia*, larvae of *Strongyloides stercoralis*, ova of *Ascaris lumbricoides* and *Ancylostoma duodenale* and trophozoites of *Giardia lamblia*.

Conclusion: Although Modified acid fast stain is the method of choice for detecting oocysts of cryptosporidium in stool samples, ELISA is rapid and convenient method in a tertiary care hospital.

STUDY OF SEROPREVALENCE OF HIV, HBV, HCV AND SEROPREVALENCE OF HIV WITH HBV AND HCV IN HIGH RISK GROUPS

G Madhu, D Turbadkar, S Baveja, S S Das

Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013

G Madhu, D Turbadkar, S Baveja, R Patkar

XXXVII National Congress of Indian Association of Medical Microbiologists, Microcon 2013; NIMS, Hyderabad, November 2013

Introduction: Human Immunodeficiency Virus (HIV), Hepatitis B virus (HBV) and Hepatitis C virus (HCV) infections represent a public health problem of growing importance. Because of similar modes of spread, many people are co-infected with HIV and HCV, HIV and HBV or with all three viruses at the same time.

Objectives: The present study was conducted to determine the Seroprevalence of HIV, HBV and HCV in high risk groups and co-infection of HIV with HBV and HCV.

Materials and Methods: A total of 350 high risk behaviour cases attending the Integrated Counselling and Testing Centre for a period of one & half year were studied and HIV antibody, HBV surface antigen, HCV antibody and socio-demographic factors were determined.

Results: Overall prevalence of HIV was 58 (16.57%), HBV was 31 (8.86%) and HCV was 19 (16.57%). HIV and HBV Seropositivity were maximum in heterosexual group i.e. 81.03% and 74.19% respectively, while 52.63% HCV Seropositivity was in blood transfused subjects. Co-infection of HIV-HBV was seen in 13 (22.42%) and HIV-HCV in 6 (10.34%). No HBV-HCV & HIV-HBV-HCV co-infection was detected. The ratio of Seroprevalence of HIV in male:female is 2.22:1, while of HBV in male:female is 9.33:1 and of HCV in male:female is 2.80:1.

Conclusion: In high risk group, the Seroprevalence of HIV, HBV and HCV were 16.57%, 8.86% and 5.43% respectively. HIV-HBV co-infection is maximum in heterosexual high risk behavior and HIV-HCV co-infection is maximum in blood transfused patients. Seroprevalence of HIV, HBV, and HCV is higher in males than in females.

CAMPYLOBACTER JEJUNI FROM PERFORATED GASTRIC ULCER - A RARE CASE

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Mahamicon 2013, XIX Maharashtra Chapter Conference; AFMC, Pune, October 2013

Campylobacter species induced enteritis is among the commonest in the world. However its association with gastric perforation is not well documented. We report here a case of a 27-year old male who presented with a gastric perforation. Gastric biopsy sample revealed Gram-negative spiral bacilli and culture on Modified Thayer Martin agar yielded *Campylobacter jejuni*. The identification was confirmed by standard biochemical tests. This is probably the first documented case report from India of *C. jejuni* from gastric biopsy.

CORNEAL ULCER DUE TO ACANTHAMOEBA CASTELLANI - A CASE REPORT

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National Conference of National Academy of Tropical Parasitology, TROPACON 2013; SGPGIMS, Lucknow, September 2013

A 22 year old male with corneal ulcer with infiltration and hypopyon due to *Acanthamoeba castellanii* is being reported. The patient had a history of wearing contact lenses belonging to another individual 2 days prior to developing corneal ulcer.

Corneal scrapings were submitted for microbiological examination. On saline mount plenty of cysts of *acanthamoeba* were seen among necrotic debris. *Acanthamoeba castellanii* was grown in culture in 3 days on water agar with Page's solution. The patient was treated with broline isethionate locally. However the ulcer perforated in 10 days time with iris prolapse and corneal abscess for which patient underwent therapeutic penetrating keratoplasty. The intra-operative corneal material was also positive on culture. The patient was discharged on his request without significant improvement in his clinical condition. The case is being presented due to the uncommon finding of cyst forms seen abundantly in direct examination in corneal scrape and for culture findings.

SPECTRUM OF FUNGAL INFECTIONS IN PAEDIATRIC PATIENTS REFERRED FOR MYCOLOGICAL INVESTIGATIONS

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XXXVII National Congress of Indian Association of Medical Microbiologists, Microcon 2013; NIMS, Hyderabad, November 2013

Introduction: In paediatric population, fungal infections occur in healthy children as well as in patients at risk. Subcutaneous infections are rare but opportunistic infections are being increasingly reported.

Objectives: To study the spectrum of fungal infections in paediatric patients referred to Microbiology laboratory in a tertiary care hospital.

Materials and Methods: Cross sectional epidemiological study over a period of one and half year in children aged upto 12 years. The nature of samples received depended upon the clinical presentation. Specimens were processed by standard mycological techniques.

Results: Out of 148 patients referred to mycology laboratory, 37(25%), nil (0%) and 39 were positive for superficial, subcutaneous and deep fungal infections respectively. Pityriasis versicolor was the commonest superficial fungal infection followed by tinea capitis (endothrix), tinea corporis and oropharyngeal candidiasis. No subcutaneous mycotic infection was encountered. A significantly high number (74.4%) of patients with systemic fungal infection were from intensive care areas, 15.4% were from general wards and 5.2% each from hematology and surgical wards. The commonest age group was one month to one year (43.6%) ($p < 0.05$). Candidemia was the commonest systemic fungal infection in 76.9% of patients followed by urinary tract infection, pneumocystis carinii pneumonia and cryptococcal meningitis. The commonest isolate in systemic candidial infection was *Candida glabrata* in 35.9% patients followed by *Candida albicans* in 33.3% patients and *Candida parapsilosis* in 23% of patients.

Conclusions: Pityriasis versicolor was commonest superficial fungal infection. Systemic fungal infections were most frequent entity for referral to mycology and infants were commonly affected. Candidemia was predominant among systemic infections.

RECURRENT DACRYOCYSTITIS DUE TO ASPERGILLUS FLAVUS - A CASE REPORT

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Trinity 2013; L.T.M. Medical College & Hospital, Mumbai, February 2013

A 42 year old female presented with complaints of painful swelling over right medial canthus, gradually increasing in size over a period of 2 years. No improvement was seen following a course of antibiotics. Incision and drainage was done twice following which the patient improved. A month after, patient developed the same symptoms. Aspirated pus from the swelling was received for fungal culture. It showed presence of pus cells and septate fungal hyphae in 10% potassium hydroxide mount and gram staining. Culture of the pus specimen grew *Aspergillus flavus*. The patient was then advised local Itraconazole. Debridement was performed 158 days later and the debrided material showed no mycological findings in culture. Bacterial culture showed growth of *Enterobacter cloacae*. Patient was advised local Itraconazole and antibacterial antibiotic instillation and discharged after clinical improvement. Worldwide, fungal dacryocystitis is considered a rare condition which warrants the present case report.

BRAIN ABSCESS CAUSED BY NOCARDIA ASTEROIDES COMPLEX IN A POST-PARTUM PATIENT WITH TUBERCULOSIS

Baveja S, D'Souza D, De A, Gohel T

Trinity 2013; L.T.M. Medical College & Hospital, Mumbai, February 2013

Introduction: Nocardial infection of the central nervous system is rare and usually manifests as brain abscess.

Case report: We present a case of a 20 year old post partum lady with pulmonary tuberculosis on AKT since 3 months with signs and symptoms of intracranial mass within 2 weeks after delivery. Presumptive imaging diagnosis on MRI was multiple tuberculous intracranial abscesses. On surgery multiloculated thick walled abscesses were encountered in left medial frontal region which on aspiration revealed foul smelling pus. Total excision of abscess was performed. Aspirated pus was received by Department of Microbiology for gram stain, aerobic, anaerobic and tubercle bacilli culture.

Gram stain of pus smear revealed gram positive filaments and pus cells. The bacilli were partially acid alcohol-fast suggestive of Nocardia species. Samples were processed as per standard bacteriological techniques. Growth was obtained both on Blood agar and L-J medium within 48 hours. Blood agar showed chalky-white pin point colonies and L-J medium show growth of orange wrinkled colonies. Smear from culture also revealed Gram positive filaments which were partially acid-fast. Further processing as per standard bacteriological techniques identified it as Nocardia asteroides complex. Following this report, patient was started on trimethopim-sulfamethoxazole treatment. On follow up 3 months later, the patients CNS symptoms were resolving partially and she had improved overall. Imaging performed did not show any signs of relapse.

Conclusion : Nocardiosis should be considered as differential diagnosis, especially in immunocompromised patients.

TRICHOSPORON INKIN AND TRICHOSPORON MUCOIDES AS UNUSUAL CAUSES OF WHITE PIEDRA OF SCALP HAIR

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CME on Mycology - "MycoLab Trends 2013"; L.T.M. Medical College & Hospital, Mumbai, September 2013

White piedra is considered to be more common in temperate climate and on pubic hair. Our report cases of white piedra from India on scalp hair fortifies the evidence provided by other recent case reports from India that white piedra of scalp hair is not that uncommon in a tropical country like India. Trichosporon inkin is rarely reported in this infection. Our report of three cases, two due to Trichosporon inkin and one due to Trichosporon mucoides adds to the array of Trichosporon species involved in causing this infection.

CUTANEOUS ZYGOMYCOSIS DUE TO SAKSENAEA VASIFORMIS IN A PATIENT WITH PARAPARESIS, BURNS AND PRESSURE ULCER

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CME on Mycology - "MycoLab Trends 2013"; L.T.M. Medical College & Hospital, Mumbai, September 2013

Cutaneous zygomycosis is a devastating clinical condition. A review in the year 2006 has enlisted 30 human cases of cutaneous infection caused by Saksenaea vasiformis. Three of these have been described in patients with burns but none in pressure ulcers. The first case of Saksenaea vasiformis

infection in India was reported in 1988. The reports of cutaneous zygomycosis due to *Saksenaea vasiformis* indicate its distinct predilection to the skin and subcutaneous tissue. Most of the reported cases involve some kind of cutaneous trauma predisposing to the infection. In debilitated bedridden patients, development of pressure ulcers is a common complication. The present case adds the emerging pathogenic fungus, *Saksenaea vasiformis* as a cause of infection in pressure ulcer, with burns as an added local predisposing factor.

FUNGAL KERATITIS DUE TO NEOSCYTALIDIUM DIMIDIATUM - A CASE REPORT

Tendolkar U, Baveja S, Tayal R, Shinde C*, Sonavane A (Departments of Microbiology & Ophthalmology*)

CME on Mycology - "MycoLab Trends 2013"; L.T.M. Medical College & Hospital, Mumbai, September 2013

Neoscytalidium dimidiatum, a pigmented, dematiaceous fungus is a plant pathogen. In humans, it occasionally causes chronic superficial skin diseases and onychomycosis. Deep infections such as subcutaneous abscesses, mycetoma and even fungemia in immunocompromised patients due to this fungus are reported. *Neoscytalidium dimidiatum* rarely causes keratitis. A 50 year old sewer worker sustained trauma to the left eye with plant material following which he developed keratitis. After trying medication from private practitioners, he reported to the OPD after about two months. Scrapings from the ulcer showed fungal hyphae on Gram staining and fungal culture showed growth of *Neoscytalidium dimidiatum*. The patient was treated with topical Fluconazole and debridement. This is the first case being reported from India due to this emerging fungal pathogen.

CONIDIOBOLOMYCOSIS IN IMMUNOCOMPETENT AND IMMUNOCOMPROMISED

Tendolkar U, Chaya A K, Baveja S, Bradoo R*, Kalgutkar A# (Departments of Microbiology, ENT* & Pathology#)

CME on Mycology - "MycoLab Trends 2013"; L.T.M. Medical College & Hospital, Mumbai, September 2013

Conidiobolomycosis is an uncommon, granulomatous infection, generally seen in the immunocompetent patients in tropical countries. 2 cases of Conidiobolomycosis are presented herewith, one in an immunocompetent and the other in an HIV sero-positive patient. The former patient was a 28 year old male from Ranchi. He presented with dysphagia, nasal obstruction and hoarseness of voice for 3 months. On examination, an ulcero-proliferative mass of left palate and uvula with bilateral submandibular lymphadenopathy was present. The latter patient was HIV sero-positive, 38 year old male from Mumbai with history of a painless left sided nasal swelling for 2-3 months. On examination, a non-tender swelling of left side of the nose was observed. CT Scan revealed middle and inferior turbinate hypertrophy causing nasal blockage. Fungal culture of the biopsy tissues from the mass in both the patients showed Fungal hyphae in direct examination. Culture grew *Conidiobolus coronatus*. Histopathology showed Splendore-Hoeppli phenomenon. The patients improved with oral potassium iodide and itraconazole given for 7 to 10 months. Conidiobolomycosis is unusual and needs a high degree of clinical suspicion. Histopathology only aids in diagnosis but culture are the gold standard. An early diagnosis prevents morbidity.

Publications in Journals

S Baveja, A De, S Taklikar, A Sonavane, K Wanjari

Multidrug Resistant Bacteria in a Tertiary Care Hospital. J Evol Med Dental Sci 2012;1:944-51 (Published in January 2013).

H Parikh, A De, S Baveja

Comparison of lysis centrifugation method and the conventional blood culture method in cases of sepsis in a tertiary care hospital. *J Lab Phys* 2012;4:89-93 (Published in 2013).

A De, M Randive, M Mathur

Aeromonas caviae infection in a female with multiple choledocholithiasis. *International J Basic Appl Med Sci* 2012;2:237-9 (Published in January 2013).

A De

Current laboratory diagnosis of opportunistic enteric parasites in Human Immunodeficiency Virus-infected patients. *Trop Parasitol* 2013;3:7-16.

A S De, M R Rathi, M M Mathur

Mortality audit of neonatal sepsis secondary to *Acinetobacter*. *J Global Infect Dis* 2013;5:3-7.

A S De, SM Baveja, P Renake

Changing antibiotic susceptibility pattern of blood culture isolates in 2005 and 2010. *International J Appl Med Sci* 2013;2:1-9.

Award winning papers / dissertations / thesis:

A De, S Baveja, D D'Souza, K Wanjari, S Patwegar

Antibiotic susceptibility pattern of bacteria isolated in 2012 - The ESKAPE menace.

Consolation Prize for Best Paper Presentation in Mahamicon 2013, XIX Maharashtra Chapter Conference, AFMC, Pune, October 2013.

Books / Editorials chapters in book:

Anuradha De

Contributed a Chapter on "ESBL Infections" in Textbook of Pediatric Infectious Diseases, 1st Edition, Jaypee Brothers India (Pvt.) Ltd, New Delhi, 2013.

Research Projects undertaken

- 1) Dr. Sujata Baveja and Dr. Anuradha De - Active Surveillance of Invasive Pneumococcal infection (ASIP), a National Project in collaboration with CMC, Vellore.

Any significant special activity with details

The HIV testing and CD4 Testing Laboratory of the Department was accredited by NABL (National Accreditation Board of Laboratories) in June 2012. First surveillance visit was in May 2013 and the laboratory was granted continuation of accreditation in accordance with ISO15189:2007.

- 1) HIV / AIDS activities
- 2) Integrated Counselling and Testing Centre (ICTC) for walk-in clients.
- 3) External Quality Assurance Scheme of HIV testing for 28 peripheral hospitals (KMJ Phule, Humsafar Trust, MT Agarwal, Rajawadi hospital, Shatabdi hospital Govandi, SVD Savarkar hospital Mulund, St. Muktabai hospital, KJ Somaiya, Mulund Maternity home, Chunabhatti Maternity home, Chita camp Maternity home, Vikhroli Maternity home, Bhandup Maternity home, Rawali camp Maternity home, UHC Dharavi, etc.).

- 4) Prevention of Parent to Child Transmission (PPTCT) services round the clock of HIV testing.
- 5) HIV Sentinel Surveillance for ANC, MSM, Transgenders and Female Sex Workers.
- 6) CD4/CD8 count services for HIV cases (Adult and Paediatric).
- 7) HBs antigen test, HCV antibody test, Chikungunya antibody test, Dengue IgM antibody & NS1 antigen detection tests and Leptospira antibody detection test (depending upon availability of diagnostic kits).
- 8) Skin Banking Services - Microbiological assessment and preservation of cadaver skin grafts.
- 9) Diagnosis of pulmonary tuberculosis by sputum microscopy under RNTCP.
- 10) Quality control for sputum microscopy.
- 11) Sterility testing for Milk Bank samples of LTMGH and Blood Bank samples of LTMGH and M.T. Agarwal Hospital.
- 12) O.T. surveillance for sterility checking for LTMGH and other peripheral hospitals attached to LTMGH hospital (Bhandup Maternity home, Prabhadevi Maternity Home, M.T. Agarwal, MAA hospital, Mahim Maternity home, Kurla Bhaba hospital, Chunabhatti hospital, Ram hospital, Rawali camp Maternity home, UHC Dharavi and SVD Savarkar Hospital Mulund).
- 13) Special staining method (Modified Z-N staining) for detection of Oocysts of Cryptosporidium, Isospora and Cyclospora species.
- 14) Extended spectrum beta-lactamase (ESBL), AmpC beta-lactamase, Metallo beta-lactamase (MBL) and Inducible clindamycin resistance (ICR) detection in clinical isolates.
- 15) Special stains - Simplified Gomori's methanamine silver staining, Toluidine blue, neutral red staining for fungi including Pneumocystis jirovecii.
- 16) L-Dopa test and Crushed urease test for rapid detection of Cryptococcus species.
- 17) Culture and special stains for free living amoebae.
- 18) Participation in External Quality Assessment Scheme (EQAS) for Bacteriology & Serology/ Immunology.

Material and methods: It was a retrospective study for a period of 3 months. Bacteria isolated from cases of urinary tract infections (UTIs), skin and soft tissue infections (SSTIs) and post-operative infections were identified by standard techniques. Out of these, 100 biofilm-producing and/or -lactamase producing bacteria were selected for this study. Detection of in-vitro biofilm formation was done by Congo Red Agar (CRA) method. Beta-lactamase production was tested by Clover leaf method. The antibiotics tested were cefuroxime (30µg) and cefuroxime-clavulanic acid combination in the ratio of 2:1.

Results: Out of 100 isolates selected for the study, Escherichia coli was maximum (33%), followed by MSSA (27%). Out of the urinary isolates, 50% were both beta-lactamase and biofilm producers. In post-operative infections, majority were only beta-lactamase producers (70%). In UTIs, maximum Escherichia coli were isolated (56.82%). In SSTIs and in post-operative infections, Methicillin Sensitive Staphylococcus aureus (MSSA) was predominant (81.25% and 35% respectively). With Cefuroxime-Clavulanic acid combination, overall susceptibility was 24% while for Cefuroxime alone, susceptibility was only 2%. Maximum Cefuroxime-Clavulanic acid combination susceptibility was seen in only biofilm producers (42.85%). Isolates from SSTIs showed 43.75% sensitivity to Cefuroxime-Clavulanic acid combination. MSSA sensitivity to the combination antibiotic was 40.74%. All gram negative bacteria showed less than 25% sensitivity to the Cefuroxime-Clavulanic acid combination.

Conclusion: This combination can only be given in SSTIs caused by biofilm-producing *Staphylococcus aureus*. This combination cannot be recommended in Gram-negative bacterial isolates - lactamase and/or biofilm producers.

AUDIT OF SAMPLES RECEIVED IN THE DEPARTMENT OF MICROBIOLOGY

Baveja S, De A, Randive M, D'Souza D. :

470th Teaching Pathologists and Microbiologists Meet, Mumbai, September 2012.

Introduction: The specimens received in the department of microbiology are often sent in unsterile and inappropriate conditions and accompanied with inadequately filled requisition forms. This leads to loss of precious samples and time.

Objective: Training of the doctors from the departments of Medicine, Surgery, Pediatrics and Obstetrics & Gynaecology, regarding proper sample collection and transport.

Material and methods: Pre-training audit of the inappropriately received samples from April to June 2012 was conducted followed by training of doctors in the month of July 2012 and a post-training audit of inappropriately received samples in the month of August 2012.

Results: The numbers of inappropriate pus, respiratory, anaerobic samples were 37.8%, 61.2% and 73.6% respectively in the pre-training audit. After training of doctors, the number of inappropriate above samples reduced to 22.3%, 11.3% and 54.7% respectively. Amongst the sterile body fluids, significant reduction in the number of inappropriate samples was seen in pleural fluids from 37.6% to 0% followed by ascitic fluid from 59.3% to 37.7%. Inappropriate of CSF samples decreased from 39.8% to 32.8% after training. The inappropriately collected urine samples decreased from 47.6% to 23.1% after training; whereas solid stool samples for hanging drop decreased from 16.3% to 1.6% after training.

Conclusion: After training of the doctors, there was a significant improvement in the quality of samples received by the department.



DEPARTMENT OF NEONATOLOGY

Scientific programs organized by the department

- Neonatal Resuscitation Programme: training of trainers workshop – 20.4.2013 at LTM & GH
- Divisional Round of National neonatology forum's Postgraduate Neonatology Quiz – 25.8.2013 at LTMMC & GH
- Breastfeeding workshop for student nurses – 30.8.2013 at LTMMC & GH
- Neonatal Resuscitation Workshop for obstetrics residents – 6.9.2013 at LTMMC & GH
- Neonatal International Conference in collaboration with the NNF Mumbai –21.9.2013 & 22.9.2013 at Nehru Science Centre, Mumbai
- Workshop on Therapeutic Hypothermia in asphyxiated newborns – 9.12.2013 at LTMMC & GH
- Update in Neonatology for Residents & Practitioners – 19-21.12.2013 – LTMMC & GH

Guest lectures/ workshops/ CME/ seminar

Dr. Jayashree Mondkar

- "Interpretation of blood gas report " at Ventilation Workshop at KEM Hospital.17.3.2013.
- "Performance Skills station": Lecture at NTP TOT workshop at LTMMC on 20.4.2013
- "Current Concepts In Perinatal Asphyxia" at IAP CME for PGs at IAP office, 4.5.2013
- "Infrastructure For Human Milk Banking" Presentation at National Consultative Meeting on Human Milk Banking at Gurgaon,30.6.2013
- "Experiences IN Human Milk Banking In India" Presentation at National Consultative Meeting on Human Milk Banking at Gurgaon,30.6.2013
- "Overview Of Breastfeeding" Lecture at Lactation Management Workshop 6.8.2013 at LTMMC
- Lecture "Bag & Mask Ventilation" at Workshop on NRP for OB Gyn Residents at LTMMC on 6.9.13
- Lecture "Introduction To LTMMC" at orientation programme for New residents on 10.9.13
- Lecture "Mother Support Groups" at Lactation Workshop,KEMH organized by Dept of OB & Gyn, KEMH on 12.9.13
- Lecture "Human Milk Banking" at Lactation Workshop,KEMH organized by Dept of OB & Gyn, KEMH on 12.9.13
- "Rationalizing Antibiotic Therapy" Lecture at MAHANeocon 8.11.13 - 10 11.13at Nanded
- Pannelist For " Breastfeeding & Infections" at 4th Pediatric Infectious Diseases Conference, Nehru Science Centre, Worli.
- "Shock In The Neonate" at Update In Neonatology at LTMMC on 19th - 21st December 2013
- "Common OPD Problems In Neonates" at Update In Neonatology at LTMMC on 19th - 21st December 2013

Dr. Swati Manerkar

- Lecture "Chestcompression & Intubation" at Workshop on NRP for OB Gyn Residents at LTMMC on 6.9.13
- Work Station on Neonatal Resuscitation at Workshop on NRP for OB Gyn Residents at LTMMC on 6.9.13
- "Intra-uterine & Perinatal Infections & Effects on The Neonate " at Update In Neonatology at LTMMC on 19th - 21st December 2013

Papers presented at various conferences :

Deeparaj Hegde, Jayashree Mondkar, Swati Manerkar

- Heated Humidified High Flow Nasal Cannula therapy in preterm infants with respiratory distress IAP- NEOCON-2013 , Ahmedabad. (19th -21st Nov)

Deeparaj Hegde,

Sorabh Goel Jayashree Mondkar, Swati Manerkar

- Comparison of Heated Humidified High Flow Nasal Cannula versus nasal Continuous Positive Airway Pressure as a primary mode of respiratory support in preterm infants with moderate respiratory distress. Poster Presentation. IAP-NEOCON-2013 , Ahmedabad. (19th -21st Nov)

Deeparaj Hegde, Jayashree Mondkar, Swati Manerkar

- Hypernatremic dehydration in breast-fed neonates- a case series.- IAP-NEOCON-2013 , Ahmedabad. (19th -21st Nov)

Deeparaj Hegde, Jayashree Mondkar, Swati Manerkar

- Heated Humidified High Flow Nasal Cannula therapy as a primary mode of respiratory support in preterm infants - an observational study. NEOCON 2013 , Hyderabad (13th - 16th Dec)

Publications : books/ editorials/ chapters in books

Dr. Jayashree Mondkar

- Approach to Respiratory Distress In Newborns. . Chapter in IAP Manual of Neonatology. Published by the IAP Chapter of Neonatology, 2013.

Abstracts of scientific papers :

COMPARISON OF HHFNC VS NASAL CPAP AS A PRIMARY MODE OF RESPIRATORY SUPPORT IN PRETERM INFANTS WITH MILD TO MODERATE RESPIRATORY DISTRESS.

Deeparaj Hegde, Sorabh Goel, Jayashree Mondkar, Swati Manerkar. L.T.M.M.C., Sion. Mumbai.

Background- Non invasive mode of respiratory therapy is now preferred for mild to moderate respiratory distress in newborns. Nasal CPAP as a modality is being used world over for the purpose. However, due to some perceived clinical difficulties associated with CPAP, HHFNC is fast becoming a popular modality to provide non-invasive respiratory support.

Objective - To compare the outcomes of premature babies with respiratory distress who are put on either HHFNC or nCPAP as an early mode of respiratory support.

Study design- Prospective observational cohort study.

Outcome measures- Primary: Need for intubation & assisted ventilation within 72 hrs of initiating either HHFNC or nCPAP. Secondary: duration of Oxygen dependency, time to full feeds, air leaks, nosocomial infections, PDA, duration of hospital stay and nasal trauma.

Materials and methods- This study included LBW babies weighing 1000-1800 grams, with mild to moderate respiratory distress (Silverman-Anderson score : 3-6) within 2 hours of birth. Surfactant was administered by INSURE technique if FiO₂ requirement exceeded 40% . Babies were monitored clinically as well as using pulse oximetry, arterial blood gas and were intubated and put on mechanical ventilator if deterioration occurred.

Results - Of the 62 neonates studied, 33 babies received HHFNC and 29 nCPAP. There was no difference in early failure of HHFNC [6/33 (18.1%) versus n CPAP [7/29 (24.1%)] (p=0.75) or in any of the several outcomes analyzed . The severity of nasal trauma for babies on HHFNC was milder as compared to those of CPAP (p= 0.04). There was no difference between study groups for duration of oxygen requirement (mean :3.66+/-2.30 vs 3.24+/-1.99, p= 0.44), time to reach full feeds(mean: 11.27+/-5.38 vs 11.23+/-4.35, p=0.97) or duration of hospital stay(mean :21.90+/-16.06 vs 20.14+/- 9.47, p=0.6)

Conclusion: HHFNC appears to have similar efficacy and safety to nCPAP when applied to premature neonates weighing 1000- 1800 gms with mild to moderate respiratory distress. Also, HHFNC is seen to be gentler on the nose than nCPAP.

Keywords- premature infants, nCPAP ventilation, respiratory distress syndrome, treatment outcome.

HHFNC THERAPY IN PRETERM BABIES WITH RESPIRATORY DISTRESS: A DESCRIPTIVE COHORT STUDY.

Deeparaj Hegde, Jayashree Mondkar, Harshad Panchal, Swati Manerkar. Department of Neonatology L.T.M.M.C Sion, Mumbai.

Background- Humidified high-flow nasal cannula (HHFNC) therapy for neonates has become increasingly popular in recent years. It is frequently used in circumstances when continuous positive airway pressure (CPAP) might otherwise have been used. While CPAP is supported by large trials, little clinical evidence is available for the use of HHFNC.

Objective and study design- In this prospective observational cohort study, the efficacy of HHFNC therapy for mild to moderate respiratory distress in preterm babies was evaluated. The study was conducted from Aug 2012 to July 2013.

Material and methods- Preterm babies weighing 1000-1800 grams, with mild to moderate respiratory distress (Silverman-Anderson score : 3-6) within 2 hours of birth were put on HHFNC as a primary mode of respiratory support. Surfactant was administered by INSURE technique if FiO₂ requirement exceeded 40% for more than 1 hour to maintain a pH of > 7.25, pCO₂ < 60mmHg and SpO₂ : 91-95%

Outcome measure- Need for intubation & assisted ventilation within 72 hrs of initiating HHFNC.

Results- A total of 33 neonates received HHFNC out of which, 6 (18.2%) failed and 27 (81.8%) succeeded. The baseline characteristics were birth weight (gms) 1330+215.31, gestational age (weeks) 31.2+2.37. The age of initiation of HHFNC (hrs): 2.31+ 1.06, FiO₂ at initiation (%) :41.54+9.14, duration of HHFNC (hrs) : 69.45+35.53, duration of oxygen requirement (days) : 3.66+2.30, hospital stay (days): 21.90+16.06. Majority(n=24, 72%) did not have any systemic complications. Local complications were seen in 15/33 (45%), majority being mild in nature. No or inadequate antenatal steroids (p=0.001), requirement for resuscitation at birth [(positive pressure ventilation > 1 min) p=0.005], delayed surfactant administration (p=0.006) and early onset sepsis (p=0.01) were independently associated with failure of HHFNC.

Conclusion- HHFNC therapy for mild to moderate respiratory distress in preterm babies is effective and safe. Larger randomized controlled trials are required to investigate the role of HHFNC therapy as a primary modality of respiratory therapy in preterm babies with respiratory distress.

Keywords: preterm neonates, respiratory distress, HHFNC.

HYPERNATREMIC DEHYDRATION IN BREAST FED BABIES - A CASE SERIES

Deeparaj Hegde, Jayashree Mondkar and Swati Manerkar. (Lokmanya Tilak Municipal Medical College and Hospital , Sion, Mumbai)

Abstract - Human breast milk is undoubtedly the best source of nutrition to neonates. Though breast feeding is natural, proper techniques are required for successful breast feeding. The support and supervision of health care workers is essential. We report 4 cases of hypernatremic dehydration in neonates due to lactational failure with a spectrum of clinical presentations ranging from severe renal failure requiring peritoneal dialysis to dehydration requiring only fluid therapy.

Research projects undertaken :

1. Early HHFNC vs Early CPAP as primary modality of therapy for mild to moderate respiratory distress in babies weighing 1- 1.8kg : A Randomized Controlled Trial
2. Use Of Polyethylene Wrap (Steri Drape) Versus Conventional Care In The Labour Room To Prevent Neonatal Hypothermia In Babies Weighing ? 1800 grams At Birth -A Randomized Controlled Trial.
3. Nasal Mask versus Nasal Prongs for delivering nasal continuous positive airway pressure in very low birth weight preterm infants - a randomized controlled Trial.
4. Role of Tracheal Aspirate and Endotracheal Tube Tip Cultures in The Diagnosis of Ventilator Associated Pneumonia - an Observational Cohort Study.
5. Use Of Silicone Nipple Shields For Inverted Nipples: A Randomised Controlled Trial.



DEPARTMENT OF NEUROSURGERY

**DEPARTMENT OF OBSTETRICS AND
GYNAECOLOGY**

DEPARTMENT OF OPHTHALMOLOGY

DEPARTMENT OF ORTHOPAEDICS

DEPARTMENT OF OCCUPATIONAL THERAPY

Achievements/Awards/Fellowships/Positions/Orations:

- Dr Sushant Sarang, Asst Prof(OT) Ex-officio, Mumbai Branch of A.I.O.T.A. (2012 - 2014)

Guest Lectures/Workshops/CME/Seminar.

Dr. Rashmi S. Yeradkar, Dr. Anuradha V. Pai, Dr. Shailaja Jaywant, Dr. Sushant Sarang

- One day certificate course on Driver rehabilitation organized by Academic Council of Occupational Therapy on 6th Feb 2013 at Hajiali

Dr. Sushant Sarang, Dr. Shubhangi lad, Dr. Anushaka Paithankar, Dr. Rajul Daftary

- CME on at 50th Annual AIOTA conference at Trivendrum on 26th to 28th Feb 2013

Dr. Rashmi S. Yeradkar, Dr. Shailaja Jaywant, Dr. Sushant Sarang

- Workshop on Neurophysiology of speech organized by Dept. of Physiology at LTMMC & GH. On 24th July 2013

Dr. Suhas Bongade, Dr. Shubhangi lad

- CME on Obesity on 15th October 2013 at LTMMC &GH

Dr. Rashmi S. Yeradkar, Dr. Anuradha V. Pai, Dr. Shailaja Jaywant, Dr. Anushaka Paithankar

- International Workshop on ICF at Kochin on 3rd to 5th December 2013

Papers Presented at various conferences -

Dr Jyotsna Gaikwad

"Functional improvement in a patient with spaghetti wrist injury" in Bimonthly Scientific meeting of staff & research society held on 13th Dec 2013 in Physiology lecture hall.

Prizes won by undergraduates and post graduate students.

Tushar Jadhav

- Champion of SPL 13 Winner

Shruti Kamath

- 2nd in RGMC fashion Show

Shardul Abhyankar

- 1st prize in Poster presentation at Trinity 2013

Disha Sanghvi, Shreya Sakpal, Bijal Bakhda, Bhagyashree Chavan, Mansi Mulye, Srushti Mody, Sheetal Gupta

- 2nd prize for poster presentation at OTICON 13

Richa Tipnis, Nayana Shet, Shardul Abhyankar, Batul Vohra, Aishwarya Thakurdesai, Nikita Sunny, Pranali Waghmare

- 3rd prize for Model presentation at OTICON 13
-

Richa Tipnis, Nayana Shet, Mansi Mulye, Bhagyashree Chavan, Disha Sanghvi, Shreya Sakpal, Srushti Mody, Sheetal Gupta, Batul Vohra, Pranali Waghmare

- Participation in street play at OTICON 13

Richa Tipnis

- 3rd prize for solo performance at OTICON 13

Research Projects Undertaken

- Komal Joshi (M.O.Th) Batch 2010-13

Guide - Mrs. Rashmi Yeradkar (Associate Professor)

- A comparative study between pre-prosthetic (pylon) fitting & permanent prosthetic training over without pre-prosthesis (pylon) fitting & permanent prosthetic training on standing balance & functional mobility in below knee amputation patients
- Akshaya Nagrulkar (M.O.Th) Batch 2010-13

Guide - Mrs. A. Pai (Assistant Professor)

- Effect of task oriented circuit training in improving hand performance skills , ADL and quality of life in stroke patients
- Hiral Rathod (M.O.Th) Batch 2010-13

Guide - Mrs. S. Jaywant (Assistant Professor)

- Effects of pre-feeding stimulation with positioning support while feeding in premature infants
- Kavita Jadhav (M.O.Th) Batch 2010-13

Guide - Mrs. A. Pai (Assistant Professor)

- Effect of therapy ball exercises , single leg weight bearing and balance disc exercises on balance and gait of stroke patients
- Puja Sonarkar (M.O.Th) Batch 2010-13

Guide - Mrs. S. Jaywant (Assistant Professor)

- Effectiveness of task specific intervention in DCD (Developmental Coordinated Disorder)
- Sanket Inamdar (M.O.Th) Batch 2011-14

Guide - Mrs. A. Pai (Assistant Professor)

- To improve Balance and Functional Independence in geriatric clients by using FAME Treatment approach
- Anushka Paithankar (M.O.Th) Batch 2011-14

Guide - Mrs. S. Jaywant (Assistant Professor)

- To study the efficacy of Context- Focused Intervention in improving the performance of functional tasks in preschool children with Central Nervous System Dysfunction
- Chaitrali Kulkarni (M.O.Th) Batch 2011-14

Guide - Mrs. A. Pai (Assistant Professor)

- To study the effectiveness of Client- Centered occupational therapy in spinal cord injury patients using Canadian Occupational Performance Measure (COPM)
-

- Bhawana Someshwar (MOTh) Batch 2012-15

Guide - Mrs. S. Jaywant (Assistant Professor)

- To study the effect of cognitive functional(cog-fun) on executive functions in children with attention deficit hyperactive disorder(ADHD)
- Richa Tipnis , Nayana Shet & Shruti Kamath (Interns)
- Fr. 19/08/2013 to 19/02/2014

Guide - Mrs. A. Pai (Assistant Professor)

- Correlation between anxiety and depression scare of mother of CP & LD
- Shardul Abhyankar (Intern) Fr.21/02/2013 to 20/08/2013

Guide - Mrs. S. Jaywant (Assistant Professor)

- Internet Addiction & Social Interaction Any significant special activity with details.
- Routine activities

All referred patients of Medicines, Neurology, Orthopedics, Surgery,

Plastic Surgery, Cardiology, Pediatrics, treated in terms of exercises and splints on O.P.D. & I.P.D basis.

Special Activities :-

- 1) Hand clinic
- 2) Burns clinic
- 3) Diabetic Foot clinic
- 4) Developmental OPD
- 5) Learning Disorder clinic
- 6) High risk OPD
- 7) Back care clinic
- 8) Disability assessment
- 9) Cerebral Palsy Clinic



DEPARTMENT OF PATHOLOGY

Scientific Programme organized by L.T.M.M.C. & L.T.M.G.H.

- Blood Bank, Dept of Pathology – Safe blood transfusion practices - A collective responsibility 24.02.2013, LTMMC, Dept of Pathology
- Senior surgical meeting, 28.02.2013, LTMMC, Dept of Pathology
- 476th TPC meeting at LTMMC, 31.8.2013, LTMMC

Guest Lectures/Workshop/CME/Seminars

Padmashree Dr. M.G.Deo.

- Fifty Years Of Medical Research, 476th TPC meeting at LTMMC

Papers presented at various conferences

Renal pathology in Sickle cell disease.

Dr A. Padmanabhan, Dr N. M. Gadgil, Dr A.D. Kalgutkar

476th TPC meeting at LTMMC 31/08/2013 Clinicopathological study of fungal rhinosinusitis

Dr. Archana L khade, Dr. Felice Faizal, Dr. Manisha S khare, Dr. Alka D Kalgutkar & Dr Uma Tendulkar*, Oct 2013, MAPCON 2013, Jalgaon

Adverse reactions of blood transfusion-A study of 50 cases in a tertiary care hospital

Dr. Rohini Shewale, Dr Urmi S.Chakravarty-Vartak, Dr. Alka D.Kalgutkar, Oct 2013, MAPCON 2013, Jalgaon

Effect of danazol on cytomorphology of proliferative breast disease-A Diagnostic dilemma

Dr. Prerna Sachdeva, Dr. Sonali, Dr. Madhu Chaturvedi, Dr. Nitin. M. Gadgil Dr. Manisha S Khare, Dr. Alka D Kalgutkar, Oct 2013, MAPCON 2013, Jalgaon

At the cross roads-Hodgkins lymphoma & bone marrow granuloma

Dr. Unzer Khan, Dr. S. Vartak, Oct 2013, MAPCON 2013, Jalgaon

Radiation induced Osteosarcoma-A case study

Dr Patki Swati, Dr Gadgil Nitin, Dr Khare Manisha, Dr Kalgutkar AD, Oct 2013, MAPCON 2013, Jalgaon

Publications in Journals

Dr M. Chaturvedi, Dr A.D Kalgutkar

- Extensive ossification of Thymoma in a child
- The annals of thoracic surgery, June 2013, vol 95, e139-e141.

Prize won by undergraduates and post graduate students

Amruta Limaye

- 1st Prize Dr Athawale Prize in Pathology

Neha Lohiya

- 2nd Prize Dr Athawale Prize in Pathology
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DEPARTMENT OF PEDIATRICS

Jan 2013 - Dec 2013

1.	General Pediatrics :	
a.	Outdoor Services - Total New Cases	13,710
b.	Indoor admission cases	6,678
c.	Intensive Pediatric Care Unit	734
2.	Immunization :	
a.	B.C.G.	8,297
b.	Zero OPV	
c.	1st 2nd 3rd OPV	12,538
d.	DPT + DT	4,433
e.	Measles Vaccine	638
3.	Special Clinics : (New Registrations)	
a.	Gastroenterology & Nutrition OPD new cases -- Gastro 955 Nutrition 287	
b.	Hematology OPD	1359
c.	Asthma OPD	924
d.	Neurology & Development OPD	834
e.	Nephrology OPD	775
f.	Learning Disability Clinic	3737
g.	HIV OPD	222
h.	Endocrine OPD	578
i)	Cardiology OPD	1044
j)	Epilepsy OPD	2012

Achievements/Awards/Fellowship/Positions/Orations

Dr. Mamta Manglani

- Membership of Organizations:
 1. Life member - Indian Academy of Pediatrics.
 2. Life member - Mumbai Branch of IAP.
 3. Life member - Hematology Oncology Chapter of IAP.
 4. Life member - Mumbai Hematology Group.
 5. Life member - Indian Society of Hematology & Transfusion Medicine
 6. Life member - Dr. Athavale Foundation & Pediatric Alumini LTMGH
 - Positions held:
 - Member - Core Committee for HIV/AIDS, LTMM College & General Hospital - 2000 onwards to date
 - Secretary - Silver Jubilee Research Foundation, LTMM College & General Hospital - 2005 onwards
 - Member Secretary - Thalassemia Subcommittee at LTMM College & General Hospital, State Transfusion Council, Govt. of Maharashtra - 2002 onwards
-

- Resource Person - PPTCT training under UNICEF, NACO, MSACS and MDACS
- Resource Person - ART training program under NACO, WHO and MDACS
- Reviewer for various indexed Indian journals
- Member of Working Group for "Care & Support in Pediatric HIV" formulated by NACO.
- Member of steering committee for PPTCT program under MDACS.
- Member of Working group for "Infant Feeding Counselling for PPTCT" under MDACS.
- Member of the Technical Resource Group (TRG) at NACO, Ministry of Health and Family Welfare for Pediatric HIV - Care and Support on panel of interviewers for BARC & ESIC
- National Level - Resource Person for Training in Prevention of Parent-to-Child Transmission of HIV for medical officers, consultants and counselors.
- National level - Resource person for Training in Pediatric HIV for medical officers, consultants & counselors
- Program Director, Pediatric Centre of Excellence for HIV Care

Dr. Alka Jadhav

- Positions held
- Resource person for ORS training IAP
- Resource Person for Nutrition in ART Training programme NACO, MDACS
- Resource person for SAM training UNICEF
- Resource person for IYCN training BPNI

Dr. Yashwant Gabhale

- Deputy Programme Director PCoE
- Committee member of IAP Mumbai branch (2013)
- Co-organising Secretary of DAFAL - CME 2013(Pune)
- Organising Secretary for Teenage & Daughters Day 2013.
- Membership & organization
- Life member - Indian Academy of Pediatrics
- Life member - Dr. Athavale Foundation & Pediatric alumini , LTMGH Hospital

Dr. Sanjeevani Masavkar

- Dr. Sanjeevani Masavkar, Dr. Preeti Shanbag MUHS award for publication in International Journal with impact factor >2
- Done' pediatric critical care fellowship' of MUHS

Dr. Arpita Adhikari

- Best paper publication in National & International Journal for MUHS teachers (2013-14)

Scientific Programmes organized by LTMMC & LTMGH

- NACO Training Programme in HIV Care for Specialists Pediatric Seminar Hall, LTMMC & Gen. Hosp. 8th & 9th Jan 2013
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- EID Training Programme in HIV Care for SMO/ MO Pediatric Seminar Hall, LTMMC & Gen. Hosp. 16th & 17th January 2013
- Pediatric Counselor Training Programme in HIV Care Pediatric Seminar Hall, LTMMC & Gen. Hosp. 6th & 7th March 2013
- Workshop on " Comprehensive Management of Thalassemia Major Pediatric Seminar Hall, LTMMC & Gen. Hosp. 27th July 2013
- NBE Research Methodology workshop Pediatric Seminar Hall, LTMMC & Gen. Hosp. 13th & 14th August 2013
- NBE Research Methodology workshop Pediatric Seminar Hall, LTMMC & Gen. Hosp. 17th & 18th July 2013
- NBE Research Methodology workshop Pediatric Seminar Hall, LTMMC & Gen. Hosp. 28th & 29th August 2013
- Workshop on Management of Pediatric HIV/AIDS for Medical officers Pediatric Seminar Hall, LTMMC & Gen. Hosp. 8th -9th Oct 2013
- NBE Research Methodology workshop Pediatric Seminar Hall, LTMMC & Gen. Hosp. 16th and 17th December, 2013
- CME 2013 "Approach to growing child" Department of Pediatrics LTMMC & LTMGH, Sept. 2013
- NBE Research Methodology workshop Pediatric Seminar Hall, LTMMC & Gen. Hosp. 25th and 26th NOVEMBER, 2013
- Workshop on management of Pediatric HIV/AIDS for Medical officer Bharati Vidyapeeth Medical College 15th December 2013
- IAP Quiz for UG students Pediatric Seminar Hall, LTMMC & Gen. Hosp. 4th & 5th December 2013
- IAP Quiz for PG students Department of Pediatrics LTMMC & LTMGH. August 2013
- CME - Pediatric Ventilation Department of Pediatrics LTMMC & LTMGH 3rd & 30th Aug. 2013
- Pediatric Counselors training Pediatric Seminar Hall, 8th - 9th January 2013
- Early infant Diagnosis in HIV infected children Pediatric Seminar Hall, 16th January 2013
- Pediatric Counselors training Pediatric Seminar Hall, 6 th - 7th March
- Medical Officers training for Pediatric HIV Pediatric Seminar Hall 25th - 26th Nov 2013
- Medical Officers training for Early Infant Diagnosis & Management of HIV Pediatric Seminar Hall 17th - 18th Dec 2013
- Diarrhoea Training Programme for PG students Pediatric Seminar hall 27th July 2013
- MUHS training of Medical officers & Teachers for SAM Management Pediatric Seminar hall, 15th - 16th May 2013
- Training programme on SAM management Medical Officers Pediatric Seminar Hall, 15th - 16th May 2013
- Seminar on Diarrhea Management Pediatric Seminar Hall 25th July 2013
- Seminar on Infant & Young children feeding for ICDS workers UHC Auditorium, Dharavi 3rd Sept 2013

- Training of Pediatric Consultant on Pediatric ART 8th -9th Jan 2013
- Early Infant Diagnosis workshop 16th Jan 2013
- Training for HIV & AIDS for staff & Student Nurses & Labour staff 4th -5th March 2013 & 12th - 13th March 2013
- Counsellors training 6th - 7th March 2013

Guest Lectures/Workshop/CME/Seminars

Dr. Mamta Manglani

- Panel discussion on Sickle cell disease : Intricacies in management - Participated during XIXth CME in Haematology & Haemato-Oncology, Department of Haematology - Bombay Hospital Institute of Medical Sciences, Mumbai on Wednesday-Saturday, 23rd - 26th January 2013
 - Primary Immunodeficiency Diseases in India - Chaired a session during the 2nd International Conference on Primary Immunodeficiency Diseases held on 2nd - 4th February, 2013 at Hyatt Regency Hotel, Mumbai
 - CPC for children with HIV in Urban setting - guest lecture during the Pre - Conference Workshop on Paediatric Palliative Care at Tata Memorial Centre on 5th Feb, 2013
 - Early Infant diagnosis and management of HIV Exposed Infants and children - guest lecture during the Pediatric Counselor Training Programme in HIV Care held at Pediatric Seminar Hall LTMGH on 6th and 7th March 2013.
 - Delayed hemolytic transfusion reaction due to anti jkb- chairperson during the CME held on 16th March 2013 at New Auditorium, LTMG Hospital
 - Oral Paper Presentation - Chair Person - during the 36th Annual Conference of Mumbai Hematology Group held on 23rd and 24th March 2013 at Kokilaben Dhirubhai Ambani Hospital, Mumbai, India
 - Raising "Technobrats" - Chairperson during the 19th Annual Scientific Meet & CME of Staff & Research Society held on 3rd and 4th April 2013 at New Auditorium, LTMG, Sion.
 - Designing a Protocol - lecture delivered during the DNB Research Methodology Workshop Under auspices of SILVER JUBILEE RESEARCH FOUNDATION LTM Medical College & General Hospital, held in the Pediatric Seminar Hall on 17th July 2013.
 - Clinical Thalassemia syndromes - guest lecture delivered during the Workshop on "Comprehensive Management of Thalassemia Major" for Staff of Thalassemia Day Care Centres organised by Think Foundation, Division of Pediatric Hematology-Oncology, in the Pediatric Seminar Hall on 27th July, 2013.
 - Chelation in Thalassemia - guest lecture delivered during the Workshop on " Comprehensive Management of Thalassemia Major for Staff of Thalassemia Day Care Centres organised by Think Foundation, , Division of Pediatric Hematology-Oncology, in the Pediatric Seminar Hall on 27th July, 2013.
 - Designing a Protocol - lecture delivered during the DNB Research Methodology Workshop Under auspices of SILVER JUBILEE RESEARCH FOUNDATION LTM Medical College & General Hospital, held in the Pediatric Seminar Hall on 13th & 14th August 2013.
 - Designing a Protocol - lecture delivered during the DNB Research Methodology Workshop Under auspices of SILVER JUBILEE RESEARCH FOUNDATION LTM Medical College & General
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Hospital, held in the Pediatric Seminar Hall on 28th & 29th August 2013.

- Nutritional anemia..... Miles Before Smiles - guest lecture delivered during the EMBICON 2013 held at Y.B.Chavan Centre, Near Mantralaya, Nariman Point, Mumbai - 400 021 on 22nd September 2013.
- Designing a Protocol - lecture delivered during the DNB Research Methodology Workshop Under auspices of SILVER JUBILEE RESEARCH FOUNDATION LTM Medical College & General Hospital, held in the Pediatric Seminar Hall on 8th & 9th October 2013.
- Impact on children - guest lecture delivered during the Launch of mMitra in Lokmanya Tilak Municipal General Hospital held on 20th December 2013 in Medicine Seminar Hall.
- NACO Training Programme in HIV Care for Specialists held in the Pediatric Seminar Hall, LTMG Hospital, Sion, Mumbai
 1. Management of babies diagnosed by EID
 2. Alternate First line ART & Second line ART for Infants and Children
 3. Paediatric Clinical Problem Solving
 4. Infant Feeding
- EID Training Programme in HIV Care for SMO/ MO held in LTMG Hospital
 1. Management of babies diagnosed by EID - Pediatrics Clinical Problem Solving
 2. Infant Feeding
- Workshop on Management of Pediatric HIV/AIDS for Medical officers held in LTMG Hospital
 1. Common clinical manifestations in Pediatric HIV and WHO Clinical staging
 2. Pediatric OIs: Part 1
 3. Pediatric OIs: Part 2
- Workshop on Management of Pediatric HIV/AIDS for Medical officer LTMG Hospital
 1. Infant Feeding
 2. Management of babies diagnosed by EID, Pediatrics Clinical Problem Solving

Dr. Alka Jadhav

- Diagnosis & Management of SAM at Sahayadri Guest house , organized by MUHS, Aug 2013
- Medical Nutrition Therapy - our experience, 4th Sept 2013
- Acute diarrhea & advances in ORS, 27TH Jul 2013
- HIV and Nutrition in children, Nov 2013
- Diagnosis & Management of SAM at Sahayadri Guest house , organized by MUHS , Aug 2013
- Medical Nutrition Therapy - our experience, 4th Sept 2013
- Acute diarrhea & advances in ORS, 27TH Jul 2013
- HIV and Nutrition in children, Nov 2013

Dr. Anupama Mauskar

- Comparative trial of different modalities of treatment in Bronchiolitis
- Best paper award at IAACON, Panjim, Goa

Dr. Yashwant Gabhale

- Early Infant Diagnosis in HIV, Nagpur IAPSM National CME

- Resource person for EID, 23rd Mar 2013
- Workshop for District Supervisor on Pediatric Counselling at TISS, 5th Sept 2013
- Workshop for Counsellors on Pediatric Counselling at TISS, 30th Oct 2013
- Workshop for Counsellors on Infant Feeding, 28th Nov 2013
- Workshop on New PPTCT regiment for Medical Officers at MDACS, 27th Nov 2013
- Workshop on New PPTCT regiment for counselors 29th 30th Nov 2013

Dr. Sanjeevani Masavkar

- CME- on 'Pediatric Ventilation 'for PG students as a part of Golden Jubilee celebration of LTMMC/ LTMGH, Department of Pediatrics, LTMMC/LTMGH Mumbai, 3rd August 2013

Dr. Arpita Adhikari

- Approach to seizures in children IAP Lecture series 2013

Papers presented

- Impact of Hydroxyurea in Sickle Cell Disease (oral Presentation)
Dr. Nikita Shah, Dr. Sujata Sharma, Dr. Deepak Mulchandani, Dr. Vasudev Bhat, Dr. Ratna Sharma, Dr. Mamta Manglani
36th Annual Conference of Mumbai Hematology Group (MHG), Kokilaben Dhirubhai Ambani Hospital & Medical Research Institute Four Bungalow, Andheri (W), Mumbai, on 23RD -24TH March 2013
 - Varied Hematological Manifestation Of Parvovirus Infection (oral Presentation)
Dr. Ghosha Makwana, Dr. Sujata Sharma, Dr. Maulik Contractor, Dr. Ratna Sharma, Dr. Sujata Sharma, Dr. Mamta Manglani
36th Annual Conference of Mumbai Hematology Group (MHG) Kokilaben Dhirubhai Ambani Hospital & Medical Research Institute Four Bungalow, Andheri (W), Mumbai, on 23RD -24TH March 2013
 - A Study to Evaluate Immunoglobulin Levels and CD4/ CD8 Counts in Multiple Transfused Children with ?- Thalassemia
Dr. Pratichi Kadam, Dr. Sujata Sharma, Dr. Ratna Sharma, Dr. Mamta Manglani
36th Annual Conference of Mumbai Hematology Group (MHG) Kokilaben Dhirubhai Ambani Hospital & Medical Research Institute Four Bungalow, Andheri (W), Mumbai, on 23RD -24TH March 2013
 - TPMT/MTHFR Mutation Studies in Acute Leukemia (Oral Presentation)
Dr. Priyashree Mukherjee, Dr. Sujata Sharma, Dr. Priti Mehta, Dr. Mansi Shah, Dr. Geeta M, Dr. Mamta Manglani
36th Annual Conference of Mumbai Hematology Group (MHG) Kokilaben Dhirubhai Ambani Hospital & Medical Research Institute Four Bungalow, Andheri (W), Mumbai, on 23RD -24TH March 2013
 - Hemophagocytic Lymphohistocytosis - a case series (Oral Presentation)
Dr. Deepak Mulchandani, Dr. Sujata Sharma, Dr. Ratna Sharma, Dr. Nikita Shah, Dr. Priti Mehta, Dr. Mamta Manglani
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54th Annual Conference of Indian Society of Haematology & Blood Transfusion (HEMATOCON 2013), Taj Hotel , 10th Nov 2013

- Indigenously prepared Medical Nutrition Therapy (MNT) Vs standard Nutrition Therapy (SNT) for children with severe Acute malnutrition : A controlled trial

Dr. Alka Jadhav, Dr. Narendra Shah, Dr. Aparna Surve, Dr. Bina dias, Dr. Sneha Fernandes, Lavina Fernandes, Kiren Deshpanda, Hiteshi Dharmishah, Dr. Pallavi Shelke, Dr. Nandan Joshi, Dr. Mamta Manglani, Dr. Priti Mehta, Dr. Sujata Sharma, Dr. Rajesh Shah, Dr. Bhooshan Holey, Dr. Ghosha Makwana, Dr. Ratna Sharma, Dr. Mamta Manglani



DEPARTMENT OF PAEDIATRIC SURGERY

DEPARTMENT OF PHARMACOLOGY

DEPARTMENT OF PHYSIOLOGY

Achievements / awards / fellowship/ positions / orations

Dr. R. R. Deshpande

- Professor and Head, Dept. of Physiology, L.T.M.M.C. & G.H., Sion, Mumbai - 400 022.
- Elected as secretary "Executive Committee of Staff & Research Society", L.T.M.M.C. & G.H., Sion, Mumbai - 400 022. On 7th August 2013
- Warden of PG hostel, L.T.M.M.C. & G.H., Sion, Mumbai - 400 022.
- Chief Co-coordinator of BPMT course (under MUHS) at L.T.M.M.C. & G.H., Sion, Mumbai - 22.
- Member of "Institutional Ethics Committee", L.T.M.M.C. & G.H., Sion, Mumbai - 400 022.
- Member of "Anti-Ragging Committee", L.T.M.M.C. & G.H., Sion, Mumbai - 400 022.
- Member of "Grievance Committee", L.T.M.M.C. & G.H., Sion, Mumbai - 400 022.
- Member "Unethical Acts- Prevention, Regulation and Control Committee", L.T.M.M.C. & G.H., Sion, Mumbai - 400 022.
- Appointed as Nodal person PG admission at LTMMC

Laxmi Patel

- MEU Treasurer L.T.M.M.C. & G.H., Sion, Mumbai - 400 022.

Scientific programme organized by LTMMC & LTMGH

- Neurophysiology of speech 24/07/2013 @ LTMMC

Guest lecturers/workshop/CME/seminars

Dr. R. R. Deshpande

- Delivered a Lecture on "Physiology of Thyroid" at the "Horizontal Integrated Teaching Programme" (under MUHS) for I M.B.,B.S. students of L.T.M.M.C. & G.H., Sion, Mumbai - 400 022 on 29th Jan., 2013.
 - Chaired a session- on "Symptom oriented pain management" by Dr Dwarkadas Bhaiti in C.M.E. on "Comprehensive approach to pain" of GMC at Marine lines, Mumbai - 400 022 on 30th January, 2013.
 - Chaired a session- "Irritable bowel syndrome not so irritable" by Dr Chetan Bhat in the CME on "19th Annual scientific meet and CME" at LTMMC, Mumbai - 400 022 on 4/4/2013
 - Delivered a Lecture on "Physiology of speech" in the CME on "Neurophysiology of speech" conducted by Physiology. Dept., L.T.M.M.C. & G.H., Sion, Mumbai - 400 022 on 24/07/2013.
 - Chaired a session- "Alternate therapies in circadian rhythm disturbances" by Dr B.V. Khare in the CME on "Human circadian rhythm and its clinical applications" at T.N.M.C. and B.Y.L. Nair Ch. Hospital, Mumbai Central, Mumbai - 400 008 on 25/09/2013
 - Delivered a Lecture on "Communication Skills, Professionalism and Ethics in Medical Education" at Workshop held (under MUHS) for I M.B.,B.S students of L.T.M.M.C. & G.H., Sion, Mumbai - 400 022 on 18th Oct., 2012.
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- Chaired Bimonthly meeting of SRS LTMMC in 2013
- Addressed students St Joseph High School, Agripada, Mumbai 8

Paper presented at various conferences:

- Impact of early clinical exposure in Medical Students, Noorin Bhimani – APPICON 2013, NIMHANS, Bangalore
- Comparison of autonomic functions between pre and post menstrual phases in young females R.R. Deshpande, Jyoti Kale, SRS @ LTMMC

Publications in Journals

- Does aerobic Training Affect Maximum Voluntary Ventilation Does aerobic Training Affect Maximum Voluntary Ventilation – Dr. R. R. Deshpande – International Journal of Health Sciences and Research, Vol 3, Issue 2, Feb 2013
- Effect of Portable music players on Auditory Reaction Time in Young Adults. Dr. Priyadarshini Mishra, Dr. Nidhi Rathi, Dr. Noorin Bhimani – International Journal of Health Care and Biomedical Research 4th July,2013
- Cardiorespiratory Fitness: A study among workers engaged in Refractory Industry, Dr. Priyadarshini Mishra – Indian Journal of Basic and Applied Research, 4th Sept., 2013
- A Comparison of two evaluation methods: OSCE versus Conventional Dr. Priyadarshini Mishra, Dr. Vrunda Kolte, Dr. Momi Baruah – Indian Journal of Applied Research 1st Oct.,2013
- Circadian Variation in onset of Myocardial Infarction: Comparison between Diabetic (NIDDM) & Non Diabetics – Dr. Priyadarshini Mishra, Dr. Noorin Bhimani – National Journal of Integrated Research in Medicine, NJIRM,2013,4(6):107-110
- Comparative study of Taste sensitivity to Phenylthiocarbamide in Normoglycaemics and Diabetes mellitus type 2 – Dr. Momi Baruah – International Journal of Pharm and Bio Sciences. 2013 oct; 4 (4): (B) 727 - 730

Research project undertaken

Dr. Momi Baruah

- Evaluation of different teaching methods used in Physiology lecture classes.

Ongoing

Dr. Noorin Bhimani

- Impact of early clinical exposure in Medical Students Completed

Dr. Jyoti Kale

- The effect of Sudarshan Kriya Yoga on cardiovascular & respiratory parameters Completed
- Comparison of autonomic functions between premenstrual and postmenstrual phases in young females. Completed

Dr. Zaki Shaikh

- Correlation of B. M. I. with B. P. in Medical Students. Completed
 - "A comparative study of cardiovascular autonomic functions in healthy adult male smokers &
-

non-smokers and the effect of duration of smoking on these functions among these smokers".

Ongoing

Dr. Amruta Bawaskar

- "Correlation of Peak Expiratory Flow Rate with Anthropometric Parameter" Completed
- "Anthropometric & cardiovascular parameters as predictors of cardio vascular diseases in students of hypertensive & non hypertensive parents".

Ongoing

Any significant special activity with details:

- Organised Yoga workshop for the staff of LTMMC and GH in association with Bihar school of Yoga, Munger on 1st April 2013
- Organized quiz competition for M.B.B.S. students in association with Elsevier publications on 16 April 2013
- Conducted Dr C.M. Gadre Memorial Competitive examination in Physiology of first M.B.B.S. students on 26th April 2013 with external examiners
- Coordinated Thalassemia screening of M.B.B.S. students at L.T.M.M.C. and GH



DEPARTMENT OF PHYSIOTHERAPY

Scientific Programs Organized by L.T.M.M.C. & L.T.M.G.H.

- CME on Obesity – 15th october 2013 at L.T.M.M.C. Main auditorium

Prizes won by undergraduates and post graduate students

Manali khare

- 1st prize in Vocal Ashwamedh 2013
- 3rd in T.Y BPTTh merit list of MUHS

Kanika Bansal

- 1st prize in Poster presentation at BBIAP conference
- 1st prize in Poster presentation at TRINITY 2013

Lyle D'souza

- 1st prize in Paper presentation at TRINITY 2013

Gauri Khedekar

- 2nd prize in Paper presentation at TRINITY 2013

Manisha Mishra

- 1ST IN F.Y BPTTh merit list of MUHS

Research Projects Undertaken

Ansari Muzammil / Prof. Rajashree Naik

- Effect of Delayed Onset of Muscle Soreness (DOMS) on Proprioception in Biceps Brachi

Parikh Mudra / Prof. Rajashree Naik

- Comparative Study of Conventional Physiotherapy Treatment Versus Conventional Physiotherapy Treatment with Pelvic Proprioceptive Neuromuscular Facilitation on Lumbar Spine Reposition Sense (Proprioception) and Pain Intensity in Patients with Chronic Low Back Pain

Bamble Sunil /Dr. Pratibha Gaikwad

- The effect of six weeks of walking training programme by applying Ankle weights versus Wrist weights without weights on maximal oxygen consumption in normal young individuals

Pandit Prajakta / Dr. Pratibha Gaikwad

- Correlation between Abdominal Muscle Strength and Peak Expiratory Flow Rate (PEFR) in young adult males with Body Mass Index (BMI) within 24.9 to 34.0 kg/m²

Pandit Prajakta / Dr. Pratibha Gaikwad

- Correlation between Abdominal Muscle Strength and Peak Expiratory Flow Rate (PEFR) in young adult males with Body Mass Index (BMI) within 24.9 to 34.0 kg/m²

Bhagat Asmita / Dr. Vishakha Shinde

- A comparative study of proprioceptive Neuromuscular Facilitation (Hold Relax) Technique and Dynamic Range of Motion Technique on flexibility of Hamstring muscle in young untrained individual with Hamstring Tightness.

Vaghela Archana / Prof. Rajashree Naik

- A comparative study of effect of upper limb vs lower limb strength training on the endurance of the trunk core muscles in young untrained females.

Janhvi Darji /Prof. Rajashree Naik

- A prospective study of strength of correlation of pain intensity with neck disability index and Copenhagen neck functional disability scale in patients with newspecific neck pain following physiotherapy.

Shreya Sakhre / Dr. Pratibha Gaikwad

- Comparison of combined effects of aerobic training and alternate nostril breathing versus alternate nostril breathing alone in controlled hypertensive patients.

Sheetal Garkal /Dr. Pratibha Gaikwad

- Comparison of unsupported upper limb endurance training and lower limb endurance training in asthmatic adults.

Nidhi Shah / Dr. Vishakha Shinde

- A study of correlation of cerrercocephalic kinesthetic sensibility with neck pain intensity & neck disability score in patients with chronic non traumatic neck pain

Praveen Mandve / Dr. Vishakha Shinde

- A comparative study to see the effect of proprioceptive neuromuscular facilitation (contract relax against contraction) versus myofacial release technique on extensibility of plantar flexor in healthy young untrained individuals.

Priyanka Ambetkar/Dr. Vishakha Shinde

- A comparative study of effects of Muscle Energy techniques (MET) and static passive stretching on pectoralis minor tightness in young asymptomatic individuals with forward head posture

Monika Jain/ Dr. Swati Paranjape / Radhika Kore

- Immediate effect of tibiofemoral taping versus lateral heel wedge on load bearing axis and pain in knee osteoarthritis
- Comparison of effectiveness of phonophoresis versus iontophoresis using sodium diclofenac in supraspinatus tendinitis.

Vidya Karad /Prof. Rajashree Naik

- A study to screen the patients with lateral Epicondylitis for restriction of radial nerve mobility in actual, subacute and chronic stages.

Nisha Aherwar /Dr. Pratibha Gaikwad

- A study of effect of Shavasana with guided imagery on anxiety levels in pre operative valvular heart surgery patients using state trait anxiety inventory.

Soloni Parikh /Prof. Rajashree Naik

- Effect of cervical retraction on Median nerve tissue tension and intensity of neck pain in patients with non specific neck pain.

Dr. Vishakha Shinde

- Comparative study of conventional physiotherapy treatment versus conventional physiotherapy treatment with cervical core endurance training on cervicocephalic kinesthetic sensibility in patients with chronic non traumatic neck pain.

Kanika Bansal / Dr. Sachin Etam

- A prospective study to compare the effect of spinal mobilizations with arm movement versus neural tissue mobilization in asymptomatic individuals with a positive neurodynamic test for median nerve.

Ankita Chalkar / Dr. Vishakha Shinde

- Comparison of treatment approaches Cyrix massage technique versus ultrasound massage for lateral epicondylitis of elbow.

Disha Chitalia/ Dr. Swati Paranjape

- To assess the simple gait related dual and triple test in predicting list of falls in adult above the age of 50 years

Vishakha Darak/ Dr. Pratibha Gaikwad

- Correlation of body mass index and peak expiratory flow rate in healthy females of the age group 18-26 years.

Riddhima Gehi / Dr. Pratibha Gaikwad

- A cross-sectional study to calculate the multiple repetition maximum for low and medium resistance theraband in normal in the age group of 18 to 25 years.

Rutugandha Kini / Dr. Vishakha Shinde

- A Prospective study to compare the effect of Jacobsons Techniques of relaxation and Shavasana on pulse rate and stress levels in medical students

Mahaziver Master/Prof. Rajashree Naik

- A randomised crossover study to compare the course length of 10 meters versus 30 meters in six minutes walk performed on normal young adults.

Sarangi Pahade / Prof. Rajashree Naik

- A randomised crossover study to assess the effect of cryotherapy on static and dynamic balance and joint proprioception in normal young adults.

Jasbinder Kaur Saini /Prof. Rajashree Naik

- A comparative study to find out altered exercise response to six minutes walk test in normal weight & overweight young adult females.

Hiranmayee Bagwe /Prof. Rajashree Naik

- Retrospective analysis of conditions and demographic data of patients coming to Physiotherapy paediatric neurology OPD from Jan 13 to Dec 13

Vaishali Ingole / Dr. Swati Paranjape

- A study of prevalence of back pain in secondary school students in an urban population

Mugdha Desai / Dr. Vishakha Shinde

- A study of prevalence of childhood obesity in secondary school students in an urban population.

Manisha Kadam/ Dr. Sachin Etam

- Retrospective study of occurrence of fractures in geriatric population in a tertiary care hospital

Manali Khare / Prof. Rajashree Naik

- Retrospective analysis of conditions and demographic data of patients coming to Physiotherapy Adult neurology OPD from July 13 to Feb 13

Netra Mayekar / Dr. Pratibha Gaikwad

- Retrospective study of occurrence of neck pain in beauticians.

Shalaka Patel/ Dr. Vishakha Shinde

- To study the prevalence of neck pain in dentists in Mumbai.

Hetal Shah/ Dr. Swati Paranjape

- Prevalence of urinary incontinence in geriatric women.

Ph.D. Thesis:

Dr. Pratibha Gaikwad / Dr. Bharati Asgaonkar

- Comparison of abdominal muscles strengthening exercise along with aerobic training versus aerobic training alone on Abdominal fat, peak expiratory flow rate , cardio-respiratory endurance and quality of life in overweight and grade 1 obese individual.

Dr. Sachin Etam/ Dr. Rajashree Naik

- A study of correlation of lower limb spasticity and tightness with kinematic, gait variables and stability limits in cerebral palsy.

Any significant special activity with details:

- Started obesity clinic in OPD 24 From June 2012.
- Started Cardiac Rehabilitation training from June 2013.



DEPARTMENT OF PLASTIC SURGERY

DEPARTMENT OF PSM

Achievements/Awards/Fellowship/Positions/Orations

Dr. R. M. Chaturvedi

- Approved as a Dean , R.N.Cooper Medical College,Vileparle (West), Mumbai

Dr. B.B.Adsul

- Felicitation by Hon. CM Prithviraj Chavan for noteworthy work for transgenders in Mumbai,Oct 3 2013.

Dr. Vijay Singh

- Awarded FAIMER fellowship by the hands of Hon Vice chancellor Dr A. Jamkar and Director,Dr. S. Nagda.
- Member RMO warden committee, RMO Hostel,LTMMC & GH,Sion

Dr Manissha srivastav

- Secretary of Mumbai Breastfeeding Promotion Committee

Scientific Programs Organized by Departments

Dr. R. M. Chaturvedi

- CME on 'Control Your Blood Pressure'
- Organised CME on "Update on Hepatitis B"
- Acute Flaccid paralysis surveillance and routine immunisation. 20th June,26th July, 30th Sept,18th Oct
- Dept. of Community Medicine, LTMMC & GH,Urban Health Centre,Dharavi

Dr. Pallavi Shelke

- Organised CME on 'Control Your Blood Pressure' 20th June
- Dept. of Community Medicine, LTMMC & GH

Dr. Manissha Srivastav

- Workshop &Hands on training : 'Nutrition and Food Preservation Technique' for CHVs of Dharavi Community 3 (Food & Nutrition dept , Govt Of India) 11 Aug - 15 Aug 2013 Urban Health Centre,Dharavi
- Acute Flaccid Paralysis Surveillance and nd Routine Immunisation. 30th Sept. 18th Oct Dept. of Community Medicine, LTMMC & GH

Dr. Sujata Pol

- Organised CME on 'Control Your Blood Pressure'20th June Dept. of Community Medicine, LTMMC & GH
- Organised CME on "Update on Hepatitis B" 26th July Dept. of Community Medicine, LTMMC & GH

Dr. Smita Chavan

- Workshop & Hands on training : 'Nutrition and Food Preservation Technique' for CHVs of Dharavi Community 3 (Food & Nutrition dept , Govt Of India) 11 Aug - 15 Aug 2013 Urban Health Centre, Dharavi

Guest Lectures/Workshops/CME/Seminar

Dr. R. M. Chaturvedi

- Attended workshop on 'IYCN' at Sahyadri on 25th July.
- Attended workshop on 'Radiation and Health' on 12th March.

Dr. Vijay S. Singh

- MDACS - Public health importance of STI/RTI, training for doctors.
- Guest lecture on Research Methodology taken for MSc Nursing students of Bahaktivedanta Hospital
- Statistics for Nursing students At Hinduja Nsg school, Andheri.
- Guest lecture on Biostatistics taken for MSc Nursing students of Hiranandani Hospital, Pawai.
- Attended workshop on 'Radiation and Health' on 12th March.
- Attended workshop on 'IYCN' at Sahyadri on 25th July.
- Attended Pubmed interactive workshop conducted by Q Med knowledge Foundation, Dec 2013 at LTMMC.

Dr. Pallavi Shelke

- Guest lecture taken for MSc Nursing students of Bahaktivedanta Hospital.
- Attended workshop on 'Radiation and Health' on 12th March.
- Attended workshop on 'IYCN' at Sahyadri on 25th July.
- Attended Pre conference workshop HIV Hepatitis co infections and HIV & pregnancy ASICON, 12 th Dec ltmmc.
- Attended Pubmed interactive workshop conducted by Q Med knowledge Foundation, Dec 2013 at LTMMC.

Dr. Manisha Srivastav

- Training session for Aanganwadi supervisors on IYCN, in July 2013.
- Guest lecture taken for MSc Nursing students of Bahaktivedanta Hospital.
- Guest lecture on Biostatistics taken for MSc Nursing students of Hiranandani Hospital, Pawai.
- Attended workshop on 'Radiation and Health' on 12th March.
- Attended workshop on 'IYCN' at Sahyadri on 25th July.
- Attended Pubmed interactive workshop conducted by Q Med knowledge Foundation, Dec 2013 at LTMMC.

Dr. Subita Patil

- Statistics for Nursing students At Hinduja Nsg school, Andheri
 - Guest lecture taken for MSc Nursing students of Bahaktivedanta Hospital
 - Guest lecture on Biostatistics taken for MSc Nursing students of Hiranandani Hospital, Pawai
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- Attended workshop on "Public Health Nutrition: What's New?" at MUHS regional centre of Pune on 3rd June 2013.
- Attended workshop on 'Radiation and Health' on 12th March.
- Attended workshop on 'IYCN' at Sahyadri on 25th July.
- Attended training on "Non-scalpel vasectomy" at F-North. July 2013.
- Attended Pubmed interactive workshop conducted by Q Med knowledge Foundation, Dec 2013 at LTMMC.

Dr. Sujata Pol

- MDACS - Public health importance of STI/RTI, training for doctors
- Statistics for Nursing students At Hinduja Nsg school, Andheri
- STI/RTI training for ANM & Aanganwadi workers
- A lecture on IYCN in integrated teaching for medical students of Paediatric dept
- Attended workshop on "Public Health Nutrition: What's New?" at MUHS regional centre of Pune on 3rd June 2013
- Attended workshop on 'IYCN' at Sahyadri on 25th July.
- Attended CME on 'Geriatric Update' organised by medicine dept on 7th Oct

Dr. Smita Chavan

- Statistics for Nursing students At Hinduja NSG school, Andheri
- Health and Hygiene for SNEHA NGO beneficiaries at UHC, Dharavi 12 Sept 2013
- Nutrition and Health for parents of ICDs enrolled children 14 Sept 2013
- Guest lecture taken for MSc Nursing students of Bahaktivedanta Hospital.
- Guest lecture on Biostatistics taken for MSc Nursing students of Hiranandani Hospital, Pawai
- Attended workshop on 'IYCN' at Sahyadri on 25th July.
- Attended CME on 'Geriatric Update' organised by medicine dept on 7th Oct.
- Attended Pubmed interactive workshop conducted by Q Med knowledge Foundation, Dec 2013 at LTMMC

Dr. Payal Laad

- STI/RTI training for ANM & Aanganwadi workers
- Public health importance of STI/RTI for doctors at MDACS
- Attended CME on 'Geriatric Update' organised by medicine dept on 7th Oct.
- Attended Pubmed interactive workshop conducted by Q Med knowledge Foundation, Dec 2013 at LTMMC

Papers, Presented at Various Conferences :

Dr. R. M. Chaturvedi

- On Call Malaria: An effective tool for Malaria control in urban slums of Mumbai (An Operational Research)

Introduction: Malaria is endemic in Mumbai due to on-going constructions. Developing a tailor made approach for control of Urban Malaria is essential.

Aim: To study the impact of interventional public health model of Malaria control in urban slums.

Objectives: To bring maximum fever cases under surveillance net, to establish relationship between spike of fever & time of blood collection for peripheral blood smear & its relevance with smear positivity.

Material & Methods: An operational research was conducted in slums of Bandra (E), Mumbai, for period of 1 year. It is a public private partnership model with NGO - Centre for the Study of Social Change. A semi-structured questionnaire was developed. A tailor made approach based on available resources was developed and called "On-call Malaria model".

Results: 704 fever cases were interviewed. Slide positivity rate was (SPR) 4.8%. The interval between spike of fever and smear taken was significantly associated with the smear positivity. There was decrease in annual parasite rate, slide positivity rate, slide falciparum rate and Malaria mortality during the study period as compared to the baseline.

Conclusion: Significant reduction in incidence of Malaria by reducing time between diagnosis & presumptive treatment.

Dr. Vijay Singh

Poster presentation on "Study on awareness and knowledge regarding Janani Suraksha Yojana (JSY) among ANC registered women in a primary health centre of tribal area of Thane District of Maharashtra. April 2013 SRS Annual Scientific Meet.

Introduction: In an attempt to make primary health care services available, especially, to the poorest and most vulnerable segments of rural and tribal society, JSY is safe motherhood intervention initiated to reduce maternal and neo-natal mortality and increasing institutional deliveries in them

Aims & Objective : To assess awareness about Janani Suraksha Yojana (JSY) among ANC registered women

To establish association of socio-demographic factors with awareness about JSY

Material & Methods : A cross sectional study, at PHC and 110 ANC registered women were interviewed using predesigned questionnaire. SPSS version 15 was used Chi-square test was applied.

Results : 52.7% were aware about this governmental scheme & only 17.24% of them were able to answer the correct name of the scheme. Only 54.5% women had the knowledge about the components of JSY.

Conclusion: Awareness of the scheme is needed.

Dr Dasi Rao

The psycho social burden of HPV: A mixed study of Knowledge, Attitudes & Behaviours among HPV positive women; A scientific factor presented at the Carol & Frank Morsani Centre for Advanced Healthcare; USF on Dec 2013

Despite an increased awareness & information of Human Papilloma Virus following the release of HPV vaccine the psychosocial impact of an HPV infection one of the most common sexually transmissible infection (STI), must not be overshadowed. This study employed in depth interviews (n=52) and quantitative surveys (n=54) to assess knowledge, emotional impact & behavioural consequences of HPV related diagnosis in women who had received abnormal Pap test results and themes related to stigma, fear, self blame, powerlessness & anger emerged. The promotion of the HPV vaccine should not obfuscate the psycho social burden associated with HPV diagnosis.

Dr. Subita Patil

A study on pre-treatment practices and some of the epidemiological factors associated among dog bite cases attending outpatient dept in tertiary care hospital." 15th National conference of Association for prevention & Control of Rabies , 2013 Pune on 6& 7 June 2013

Introduction: Rabies is a zoonotic disease of major public health problem, considered responsible for 99% of rabies cases. Non-scientific pre-treatment practice of dog bite wound is been observed in many cases attending out-patient department. **Objectives:** To study prevailing pre-treatment practices, epidemiological factors. **Method:** A cross-sectional study, 357 subjects who received anti-rabies immunization at the injection OPD. chi-square test was used. **Results:** The Dog Bite was most common among males & in the age group of 16-45 years & on lower limbs. Provocative bites were observed in 31.7% subjects. 87(24.3%) applied local remedies like Lime 33(37.93%) followed by Turmeric 21 (24.13%), Chilli powder(16.09%), kerosene (10.24%), other oil (4.59%), Balm (2.29%), Tobacco, Salt, wine (1.14% each) 58.26% belonged to poor socioeconomic class. statistically significant difference between socioeconomic class & pre-treatment practices. **Conclusion:** There is definite need to increase the public awareness in this context.

Dr. Sujata Pol

1. Poster presentation on 'Study of Knowledge, Attitude about Emergency Contraception Pills (ECPs) as well as development and assessment of 'Educational tool 'for Anganwadi Workers (Urban ICDS) with emphasis on EC Pills in IAPSM conference on 24th Jan 2013, Nagpur.

Introduction: Provision of information about 'health services and health related products' to community is a primary job of Community health workers, Anganwadi workers etc. It is essential that they have adequate and accurate ECP information.

Aim & Objectives: To study the AWW's baseline knowledge related to ECPs

To examine their attitude towards use of ECP To develop an educational tool as an intervention for AWWs and evaluate the impact of the same.

Study setting and study population: A total of 300 AWWs were enrolled for the study. 275 AWW were present for pre-test and 238 were present for post-test.

Study tools: Pretested questionnaire Specially designed Educational tool in 'Marathi' for training.

The data was collected, compiled and analyzed with SPSS 15 version. Chi square test, McNemar test & Wilcoxon Signed Rank test were applied

Results: Significant rise in knowledge about ECPs utilization, exact dose, indications & contraindications was observed after intervention. Positive attitude increased after intervention regarding ECPs in AWW.

Conclusion: Training improved the knowledge & attitude of ECPs.

2. Case Study Of An Infant With Severe Malnutrition In Vaitarna Jan 2014. Bimonthly scientific meeting, 13th Dec, 2013,

An old lady brought her one year old grandson with complaint of 'failure to grow' during a monthly Mother and Child Health (MCH) camp of Primary Health Centre. The case was investigated in detail. Ignorant and illiterate parents, faulty feeding habits and ineffective health system were found as the determinants for child's chronic malnutrition. The case was suggested proper interventions at family and health system level by health team of tertiary hospital and followed up thereafter. There was little progress in child's condition as most important period of 'First 1000 days' were missed. There

is an urgent need to bring out the changes in health system like Integrated Child Health Services and Primary Health Centre. Community participation and reorientation of ICDS staff in nutrition is highly recommended.

Publication in Journals :

Dr. R. M. Chaturvedi

1. Health Related Practices Of Mothers For Their Infants Enrolled in Growth And Development Clinic in an Slum. Indian Journal Operational Research, Paripex, Sept 2013.
2. Prevalence Of Substance Abuse Among Construction Workers. Paripex - Indian Journal Of Research. March 2013, 2(3):28 - 31

Dr. Vijay Singh

Study of Pap Smear and Other Feasible Tests Among Self Reported Symptomatic Married Women in Reproductive Age Group (15-49 Yrs) Regarding Reproductive Tract Infections in A Rural Community of Maharashtra. International Journal Of Research In Medical Sciences

Chavan SS ,Vijay Singh. Int J Res Med Sci. 2013 Nov;1(4):545-551

Dr. Pallavi Shelke

Health Related Practices of Mothers For Their Infants Enrolled In Growth And Development Clinic In An Slum. Indian Journal Operational Research, Paripex, Sept 2013.

Dr D.H.Rao

A Cross Sectional Study of Domestic Violence Perpetrated By Intimate Partner Against Women In The Reproductive Age Group in an Urban Slum in Mumbai; Gaikwad Vaishali, Rao D.H. Indian Journal of Public Health Research & Development. Jan 2014; Vol 5, Issue 1 49-54

Dr Manissha Srivastav

An Epidemiological Study of The Morbidity Profile of Municipal Primary School Children Residing In Slums.

Journal Of Pharmaceutical And Biomedical Sciences (J Pharm Biomed Sci.) 2013, May; 30(30): 881-891. (Article No 02)

Dr. Sujata Pol

Health Related Practices Of Mothers For Their Infants Enrolled In Growth And Development Clinic In An Slum. Indian Journal Operational Research, Paripex, Sept 2013.

Dr. Smita Chavan

Study Of Pap Smear And Other Feasible Tests Among Self Reported Symptomatic Married Women In Reproductive Age Group (15-49 Yrs) Regarding Reproductive Tract Infections In A Rural Community Of Maharashtra. International Journal Of Research In Medical Sciences

Chavan SS Et Al. Int J Res Med Sci. 2013 Nov;1(4):545-551

Dr. Payal Laad

Prevalence Of Substance Abuse Among Construction Workers. Paripex - Indian Journal Of Research. March 2013, 2(3):28 - 31

Award Winning Papers/Dissertations/Thesis:

Dr Vijay Singh -

- First prize in Poster presentation
- SRS Annual Scientific Meet 2013

Dr Kanchan Khandare

- 2nd prize in paper presentation
- TRINITY

Prizes won by undergraduate and postgraduate students:

Dr. Parag Marathe

- Dr. V.N. Panse Prize held 2013

Dr. Kanchan Khandare

- 2nd prize in paper presentation in TRINITY

Dr. Surabhi Sethi

- 3rd prize for Street play competition on 'Breast feeding' held at Nair hospital on 16th July

Priya Gupta

- Dr. B.R. Damle Prize, Competitive Exam held Aug 2013..

Unmesh Kumar Sah

- Soham Pal – Won IPHA quiz at zonal level and stood 2nd in regional level quiz competition

Research Projects Undertaken

Dr. R.M. Chaturvedi, Dr. Pallavi Shelke, Dr. Manissha Srivastav

- An Open, Randomize, Multicentre, Comparative, Three Arm, Phase II, Clinical Study to Evaluate the Safety and Efficacy of Panch Tulsi in Subjects with Acute Common Cold. Principal investigator-Dr. Pallavi Shelke. Coinvestigators- Dr. Sudhir Pawar, Prof. & Head, Pharmacology, LTMMC&GH. Dr. Anirudh Tripathi Ayurvedic Physician.

Routine, Special and Proposed Activities

Routine activities:

- U G Teaching- 1st year, 2nd year, 3rd year M.B.B.S.
 - P.G. Teaching
 - Nursing Lectures
 - BoTh, BPTTh lectures
 - Satellite Disease Surveillance unit (SDSU)
 - Urban Health Centre- Curative Services
 - Preventive Services
 - Promotive Services
-

- Rural Health Training Centre
- Palliative care
- Out-reach activities
- Internship Rotation

Special Activities:

- 1) E-Version initiated in PSM office -Oct 2013.
- 2) Active coordination in Peripheral hospital at Jogeshwari.
- 3) Instrumental in getting approval for new 'MD course in Family Medicine'.
- 4) Worked for Power-point presentation of LTMMC &GH- 'Marathi Wartalap' in Marathi for Press conference.
- 5) Involvement in Government initiated program at rural area like 'Child survival-a call for action','Weekly Iron Folic acid Supplementation',and Pulse polio immunisation.
- 6) Participation In Developing Guidelines For Dealing With Women And Children Survivors of Violence Organised By NGO-SNEHA In Collaboration With Mumbai Police.
- 7) Active involvement in provision of health care in disaster like Dockyard building collapse and mass gatherings like Ganesh Visarjan.
- 8) Arranged an educational visit for MPH students of University of Minnesota at LTMMC,Sion.
- 9) Active involvement in organising 'Mahila Swasthya Jagruti Abhiyan' at Sion on 14th March.
- 10) Conducted special training on 'Solar Lantern Making' for villagers of Vaitarna.
- 11) Malaria Surveillance Activity at Construction Site, Andheri.
- 12) Community based Malaria Surveillance in collaboration with NGO at Bandra - On Call Malaria Model.
- 13) 'Quality Control & Vaccine Safety' in immunization OPD - LTMMC & GH.
- 14) Male STI clinic (Suraksha Clinic) and ICTC (Shakti Clinic)at UHC, Dharavi.
- 15) Participating in Training of Private Practitioner on Malaria in Collaboration with Dept of Medicine.
- 16) Co - ordinating other departments. for institutional Work. E.g.: MCI Inspection Work.
- 17) Conducted School Health Check ups.
- 18) Anganwadi Health Check up and assessing nutritional status of children at Vaitarna.
- 19) Organising 'Manav Vikas Karyakram' every second Tuesday of the month.
- 20) Organising Mega Health Check up Camp in Community.
- 21) Organising CMEs and Seminars on public health related issues.
- 22) Integrated Teaching.
Training of adolescent school girls of Rural area on IYCN and ORS Week (on 27TH July) at RHTC,Vaitarna.

DEPARTMENT OF PSYCHIATRY

DEPARTMENT OF PULMONARY MEDICINE

Guest Lectures/Workshops/CME/Seminar

Dr. N. T. Awad

- "Pneumoconiosis and its management - I" organized by 21st Associate Fellow of Industrial Health Course at Central Labour Institute for medical professionals on 2/1/2013.
- "Occupational Lung Diseases" - organized by 21st Associate Fellow of Industrial Health Course at Central Labour Institute for medical professionals on 7/1/2013
- "Management of COPD" organized by GMC & Sir J.J. Group of Hospitals "Respiratory Update 2013" on 28/9/13 at GMC Gymkhana, Mumbai.
- "Atypical Pneumonia - What it is ?" Organised by MAPCON 2013 at Ankushrao Landge Auditorium Bhosari, Pune on 20/10/2013.
- "Critical Care Cases" - Panel Discussion, organised by MAPCON 2013 at Ankushrao Landge Auditorium Bhosari, Pune on 20/10/2013.
- "Oxygen therapy" - NAPCON 2013 at Chennai from 28/11/13 to 30/11/13 (National)

Dr. Maheema B.

- "Profile of patients under programmatic management of drug resistant TB at DOTS Plus Site" organized by the S.R.S, L.T.M.G. Hospital, Sion in the meeting on 11/2/2013.
- "RNTCP" - Interns Orientation programme at P.S.M. Lecture Hall on 6/3/2013.

Research projects undertaken

- To study the effect of interstitial lung disease on heart.
- Audit of non invasive positive pressure ventilation use in patients with respiratory failure in Intensive Respiratory Care Unit at a tertiary Care Centre.
- Study of outcome of Tetanus patients admitted in Intensive Respiratory Care Unit

Any significant special activity with details

Routine Activities

- 14 bedded Intensive Respiratory Care Unit with 6 intensive care beds & 8 Intermediate beds treating patients with acute & chronic respiratory failure due to variety of causes like - treatment for Tetanus, Hanging & Strangulation, Drowning, OPC poisoning, chronic & obstructive airway disease, Adult Respiratory Distress Syndrome etc..
 - Male & female general ward with 10 & 6 beds respectively, utilized to investigate patient with chronic lung pathology.
 - Out patient services on 2 days for New & Follow up patients - Thursday - afternoon at 1.30 p.m. to 3.30 p.m. & Friday - Morning at 8.30 a.m. to 11.30 a.m.
 - 10 beds in G.T.B., Sewri - treatment of complication cases of TB & Multi Drug Resistance TB
 - Segregated Pulmonary Medicine OPD & DOTS OPD as per Hospital Infection Control Committee.
 - Conducting once a week DOTS Plus OPD in Sewree TB Hospital, under Pulmonary Medicine Department, L.T.M.G. Hospital
-

INTENSIVE RESPIRATORY UNIT	-	335
TOTAL ADMISSIONS		
WARD 4	-	313
TOTAL ADMISSIONS		
WARD 19	-	223
TOTAL ADMISSIONS		
OUT PATIENTS DEPT.		
THURSDAY [NEW]	-	2859
FRIDAY [FOLLOW UP]	-	7116
PROCEDURES 2013		
1. CVP LINES	-	141
2. ICD	-	74
3. FNAC	-	54
4. CT GUIDED BIOPSY	-	5
5. BM BIOPSY	-	1
6. LUMBAR PUNCTURE	-	17
7. THORACOCENTESIS	-	56
8. PLEURODESIS	-	3
9. TURCUT LUNG BIOPSY	-	1
10. VISCERAL PLEURAL BIOPSY	-	4
11. PM LUNG BIOPSY	-	2
12. BRONCHOSCOPY	-	59
13. TBLB	-	11
14. BRONCHIAL BRUSHING	-	17
15. BRONCHIAL WASHING	-	59
16. SLEEP STUDY	-	63
18. PFT	-	1215
19. PFT with DLCO	-	52
20. ENDOTRACHAL INTUBATION	-	92

Special Activity & Clinics

DOTS [Directly Observed Therapy] - Total TB patients diagnosed & referred for treatment on DOTS]

CAT I - 2765 [Referral]

CAT II - 1042 [Referral]

Monday afternoon - PG teaching on respiratory topic / Journal Club]

Tuesday - weekly meeting with the department of Radiology at 12.00 noon, to discuss Xray & CT of patients

Wednesday Afternoon - Clinical case presentation for postgraduate

DEPARTMENT OF SURGERY

Achievements / Awards / Fellowships / Positions/ Orations

Dr. Satish Dharap

- Challenges in Trauma Management (Dr V S Metgud Oration), Dr V S Metgud Oration, IMA, Belgaum, March 2013
- President Indian Association of Traumatology & Critical Care
- Improving Trauma Outcomes (Key Note Address), CME 2013, Srinagar, August 2013

Dr. Mohan Joshi

- Advanced Therapeutic Endoscopy, IMA, Kalyan Oration, Dec. 2013

Scientific Programs Organized by L.T.M.M.C. & L.T.M.G.H.

- Advance Trauma Life support (ATLS) for doctors
February 2013
June 2013
October 2013

Dr. Mawani Oration

14th November 2013

Guest Lectures / Workshop/ CME / Seminar

Dr. S.B. Dharap

- Road Traffic Crash and Abdominal Trauma, ASICON 2013, Ahmedabad, December 2013
- Shock in trauma: How do we go about it? ASICON 2013, Ahmedabad – December 2013
- Initial Management of Polytrauma, ASICON 2013, Ahmedabad – December 2013
- Renal Injury – ASICON 2013, Ahmedabad – December 2013
- Life saving procedures in Trauma – MOACON 2013, Nanded – November 2013
- Damage Control Surgery – Trauma 2013 – November 2013
- Trauma Procedure Skills (Workshop) Traumasicon 2013, Dharwad – September 2013
- Development of a Trauma care system – Traumasicon 2013, Dharwad – September 2013
- Damage Control Surgery (Abdomen) Traumasicon 2013, Dharwad – September 2013
- Crash trials – Traumasicon 2013, Dharwad – September 2013
- Laparoscopy in Trauma and Acute Abdomen – AMASI Skill Course, Mumbai – May 2013
- Trauma Management Protocols & Pitfalls – BHU, Varanasi – February 2013
- Management of Victims with Chest Injuries – SNTD University, Mumbai – January 2013

Dr. Geeta Ghag

- Paper presentation on " Disaster Management - Experience at L. T. M. G. Hospital" Traumasicon 2013 at Dharwad – September 2013

- Presentation on " Management of chest trauma" Traumasicon 2013 at Dharwad – September 2013
- Chairperson for a session on trauma registry in India – Traumasicon 2013 at Dharwad – September 2013
- ATLS provider course – L. T. M. G. Hospital – February 2013

Dr. Bharat Nandu

- Endovenous laser for varicose veins, our experience - at Bi - monthly S.R.S. meeting –L. T. M. G. Hospital – March 2013
- Chairperson for panel discussion on Medical Education Abroad L. T. M. G. Hospital - Trinity 2013
- Attended Trinity 2013 Medico legal issues in medicine, L. T. M. G. Hospital

Dr. Vineet Kumar

- How I do it ? ASICON 2013, Ahmedabad, December 2013
- Medico Legal issues in Trauma – Traumasicon 2013, Dharwad – September 2013
- ATLS provider course– L. T. M. G. Hospital – February 2013
- ATLS provider course – L. T. M. G. Hospital –June 2013
- ATLS provider course – L. T. M. G. Hospital – October 2013

Papers Presents at various Conferences:

- Gastro intestinal stromal tumors - A case series – Dr. Bharat Nandu – ASICON 2013 Ahmadabad 26th to 29th December 2013

Publications in Journals:

Dr. M. A. Joshi

1. Abdominal cocon syndrome - case report – Journal of Evolution of Medical & Dental sciences Vol. II, issue 12, 25th March 2013
2. A rare case of obstructed Morgagni's hernia presenting in child – JEMDS Vol. II, Issue 45, 11th November 2013

Dr. S. Prabhakar

- Fast track surgery – Journal of Gastroenterology Surgery – November 2013

Dr. Sandhya Iyer

- Management of Gastroesophageal Reflux Disease : A review of surgical & medical management Minimally Invasive surgery – February 2014

Dr. Minakshi Gadhire

1. Abdominal cocon syndrome - case report – Journal of Evolution of Medical & Dental sciences Vol. II, issue 12, 25th March 2013
2. A rare case of obstructed Morgagni's hernia presenting in child JEMDS Vol. II, Issue 45, 11th November 2013
C - Reactive Protein levels in acute pancreatitis and prognostic significance, JEMDS : 2 : Dec. 2013

Dr. Gaurav Mishra

- A rare case of obstructed Morgagni's hernia presenting in child – JEMDS Vol. II, Issue 45, 11th November 2013

Dr. Mansha Singh

- Abdominal cocon syndrome - case report Journal of Evolution of Medical & Dental sciences Vol. II, issue 12, 25th March 2013

Prizes won by undergraduate and postgraduate students :

Dr. Abhishekh Joshi

- 2nd, For paper presentation on , "Smart Trauma Management" at Traumasicon 2013



DEPARTMENT OF RADIOLOGY

Achievements / Awards / Fellowship / Positions / Orations

Dr. Atish Komwad

- 2nd in MUHS - MD Radiology

Dr. Anagha Joshi, Professor

- 4 Medals in National Table Tennis Tournament, April, 2013

Scientific Programmeorganised by LTMMC & LTMGH

- Interhospital Teaching File, October, 2013

Guest Lectures / Workshop / CME / Seminars:

Dr. TufelPatankar

- Interventional Neuroradiology - Radiology Conference Room

Dr. KiranTalekar

- Interventional Neuroradiology - Radiology Conference Room

Dr. KamleshKukreja

- Paediatric Interventional Radiology - Radiology Conference Room

Dr. Rakesh Varma

- Interventional Radiology - Radiology Conference Room

Papers presented at various conferneces with abstracts

- Aberrant ICA

Dr. SavitaPatil, 1st Year Resident

- Edurad TF Meet held in Nanavati Hospital in Oct, 2013

Publications in journals:

Dr. Suleman Merchant, Professor & HOD

- Horse-shoe lung rediscovered via volume rendered images - Indian Journal of Radiological Imaging, October, 2013
- Tuberculosis of Genito-urinary system - Urinary Tract Tuberculosis : Renal Tuberculosis Part I. - Indian Journal of Radiological Imaging, January, 2013
- Tuberculosis of Genito-urinary system - Urinary Tract Tuberculosis : Renal Tuberculosis Part II. - Indian Journal of Radiological Imaging, January, 2013

Dr. Ashwini Sankhe, Assistant Professor

- Intra-aneurysmal glue embolization of a giant pulmonary artery pseudoaneurysm after left upper lobe lobectomy - Korean Journal of Radiology, May 2013

Dr. Rahul Hegde

- Esophagobronchial fistulae : diagnosis by MDCT with oral contrast swallow examination of a benign and a malignant case - Indian Journal of Radiological Imaging, April, 2013.

DEPARTMENT OF UROLOGY

Achievements/Awards/Fellowship/Positions/Orations

Dr.Niraj Gandhi

- Eagle travelling fellowship West Zone 2013

Guest Lectures/Workshop/CME/Seminars

Dr. Vikas Kumar

- Trimethoprim revisited- MUS, Meeting

Dr. Ajit Sawant

- Renal Trauma MUS conference, Aambyvally

Papers presented at various conferences;

"A case report on renal angiomyolipoma."

Dr. Rohit Singhal

- West Zone 2013, Raipur
- "Laparoscopic management of chyluria"

Dr. Vishal Bahekar

- West Zone2013, Raipur
- "Augmentation ileocystoplasty with ureteric substitution- Our experience"

Dr. Neeraj Gandhi

- West Zone 2013, Raipur
- "Lap pyeloplasty in previous operated case of diaphragmatic hernia repair - An unusual situation"

Dr. Neeraj Gandhi

- USICON 2013, Pune
- "Systemic review of 86 patients of endourology operations using novel surgeon controlled irrigation delivery system"

Dr. Sagar Bhalerao

- West Zone 2013, Raipur
- "Novel surgeon controlled irrigation delivery system for endosurgical operations"

Dr. Sagar Bhalerao

- USICON 2013, Pune
- "HOLEP verses TURP"

Dr. Piyush

- USICON 2013, Pune
-

Publications in Journals

Dr. Ajit Sawant, Dr. Vikash Kumar, Dr. Sagar Bhalerao

- "Successful revascularization following delayed presentation of bilateral renal artery thrombosis after blunt abdominal trauma" Trauma journal,uk, Volume = 16,issue 2, april 2014 page 129 -134

Prize won by undergraduates and post graduate students.

Dr. Neeraj Gandhi

- Eagle travelling fellowship West Zone 2013

Books/Editorials chapters in book.:

Dr. Vijay Kulkarni

- "Surgical interventions for Erectile dysfunction" Comprehensive textbook of Sexual medicine, Jaypee Publication 2013 reprint.
- Editors - Nimadhabkar

Research projects undertaken

Dr. Kunal Aterkar , Dr. Ankur Arya, Dr. Rohit Singhal, Dr. Gaurav Kasat

- B/L varicocelectomy in cases of nonobstructive azoospermia and severe oligoasthenospermia

Dr. Prakash Pawar, Dr. Vipin Kumar, Dr. Ashwin Tamhankar

- Comparison of DTPA & calculated GFR by creatinine clearance via PCN



BIMONTHLY SCIENTIFIC MEETINGS ORGANIZED BY STAFF AND RESEARCH SOCIETY

11th February 2013

1. Audit of clinical samples received in the Dept. of Microbiology. :Dr.Desma D'Souza : Dept. of Microbiology.
2. Profile of patients under programmatic management of drug resistant TB at DOTS plus site.: Dr.Maheema Bhaskar : Dept. of Resp Diseases.
3. Endovenous ablation of the varicose veins-our experience.: Dr.Bharat Nandu ; Dept.of Surgery
4. Association of prosthetic valve obstruction and chordal sparing mitral valve replacement-A consecutive study in 18 patients. : Dr.Shrinivas Dussa : Dept. of CVTS
5. ETV-our experience. : Dept. of Neurosurgery : Dr.Naren Nayak
6. Limb reconstruction surgery for open fracture. : Dr.Abhjeet Kale : Dept. of Orthopedics

7th August 2013

1. Role of MRI in Hypoxic ischaemic insult in neonates. : Dr.Chintan : Dept. of Radiology
2. A comparative evaluation of Truview laryngoscope and C-Trach intubation LMA for tracheal intubation. : Dr.Devangi Parikh : Dept. of Anathesia.
3. Study of histopathological features of lesional skin of MELASMA incomparision with periolesional normal skin. : Dr.Meeta Mantri.
4. Overview of Physiotherapy Rehabilitation after Flexor Tendon Injury. : Dr.Vishakha Shinde : Dept. of Physical Therapy.

10th October 2013

1. Retrospective Audit of ECTs in adolescent patients in a tertiary hospital : Dr.Sagar Karia : Dept. of Psychiatry.
2. Use of Polythylene wrap (Steri Drape) versus conventional care in the labour room to prevent neonatal hypothermia at birth in babies less than 1800 gms - A randomized controlled trial. : Dr.Harshad Panchal : Dept. of Neonatology.
3. "Pediatrics HIV" The Journey so far.....!. Dr.M.V.Manglani : Dept. of Pediatrics
4. Comparison of autonomic functions between premenstrual and post menstrual phase in young females. : Dr.R.R.Deshpande : Dept. of Physiology
5. A Randomized comparative study of efficacy of lamivudine and adefovir tenofovir and entecavir in decompensated chronic hepatitis B patients. : Dr.Ravinder Suradey : Dept. of Gastroenterology
6. Neo-urethral reconstruction in females. : Dr.Ajit Sawant : Dept. of Urology.

13th December 2013

1. Obstetric Emergency management - A multicentric approach. : Dr.Madhuri Mehendale : Dept. of Obst. & Gyn.

2. Our experience with VATS (Video assisted throracoscopic surgery) in Paediatric decortications:
Dr.Kedar P Mudkhedkar : Dept. of Surgery
3. Antal & Preantal teeth. : Dr.Hemant Dhusia : Dept. of Dentistry
4. Laryngotracheal stenosis. : Dr.Renuka Bradoo : Dept. of ENT
5. Functional improvement in hand function in a patient with sphaghetti wrist injury : Dr.Jyotsna
Gaikwad : Dept. of Occupational Therapy
6. A case study of an infant with severe under nutrition of Rural Vaitarna. : Dr.Sujata S.Pol : Dept.
of PSM
7. Subclinical Hypothroidism in menstrual irregularity cases in the thyroid OPD of a tertiarty
care hospital : Dr.Sharmada Nerlekar : Dept. of Pharmacology.



TEACHERS' DAY CELEBRATION ORGANIZED BY STAFF AND RESEARCH SOCIETY

5th September 2013

- Welcome address : **Dr. Sandhya Kamath**
Dean. LTMMC & LTMGH, Sion, Mumbai
- Chief Guest : **Dr. Murad Lala**
Consultant -Oncosurgeon
P.D.Hinduja National Hospital & Medical
Research Centre, Mumbai
- Topic : Scalpel to summit
- Felicitation of Teachers : Retired, Promoted &
Newly Appointed Teachers
- Prize Distribution Ceremony : Distribution of Prizes to meritorious
students of various competitive
examinations by the Chief Guest.



AWARD WINNING INTERNS AND POST GRADUATE STUDENTS

- Dr.Gool Contractor Memorial Award for BEST Trauma Resident Dr. Samir Baghadia
- Late Anupama Modak Award for female Student for standing 1st in 3rd year MBBS in Surgery Subject Dr. Aasima Mohammad Boxwalla
- Late Tara Mudgal Award for student who Acquires the highest marks in 3rd year MBBS Dr. Ansari Ayesha Ahmed
- Dr.R.H.Karmarkar Memorial Award for Standing 1st in 3rd year MBBS Dr. Ansari Ayesha Ahmed
- Dr.M.N.Gheewala Award for female student Securing highest marks in Surgery in 3rd Year MBBS Dr. Aasima Mohammade Boxwalla
- Dr. V. G. Kamat Award for standing 1st in MS OBGY in regular batch of LTMMC& LTMGH Dt. Nitya Iyer
- Dr. V. N. Panse Prize in PSM Dr. Parag Marathe
- Dr.Vasumati Divekar Prize in Medicine Ms. Priya R. Gupta
- Dr.F.R.Billimoria Prize for securing highest Number of marks in M.Sc. Ms. Ramya Ramnath
- Dr.F.R.Billimoria Prize for securing highest Number of marks in 1st year MBBS in Biochemistry Ms. Shweta Mhatre
- Dr.J.B.Rane Memorial Award Mr. Mahesh Shamrao Dalvi
- Master Ishaan G.Joshi Award for student Standing 1st in Pharmacology for 2nd year MBBS Ms. Deepmala Karmakar
- IAP-Pediatrics Quiz PG Student Dr.Ronak Sheth Dr. Rajesh Shah
- IAP-Pediatrics Quiz UG Student Dr. Sagar Ranka
Dr. Saanchi Malhotra

AWARD WINNING UNDERGRADUATE STUDENTS

- Dr. B. M. Bhargav Prize in Anatomy (2103) 1st Ms.Preeti Namjoshi
2nd Ms.Sovani Bhargavi
- Dr. C. M. Garde Prize in Physiology (2013) 1stMr.Arvind Vaidyanathan
- Dr. G. M.Phadke Prize in Surgery (2012) 1st Mr.Swapnil Rai
- Dr. C. M. Gadre Prize in Prize in ENT (2012) 1st Ms.Irawati Naghmare
2nd Mr.Pratik Mohta
- Dr.(Smt.)D. A. D'Sousa Prize (2013) 1st Mr.Kachare Abinav Haribhau
2nd Ms.Jayati Dave
- Dr. Athavale Prize in Pathology (2013) 1st Mr.Satender Yadav
- Dr. B. R. Damle Prize in PSM (2013) 1st Ms.Priya Gupta
- Dr. B. R. Damle Prize in Medicine (2013) 1st Mr.Ankit A.Singh
- Dr. C. M. Gadre Prize in ENT (2013) 1st Ms.Sneha Sabesan
2nd Ms.Priya Gupta
- Dr. G. M. Phadke Prize in Pharmacology(2013) 1st Mr.Sujay Nigudkar
2nd Mr.Shrey Dewan



THE NINETEENTH ANNUAL SCIENTIFIC MEET & CME, STAFF & RESEARCH SOCIETY

On 3rd & 4th April 2013

PROGRAMME

Wednesday 3rd April 2013

**Dissertation competition
Poster Presentation competition**

Felicitation of :
Padmabhushan Dr. N. S. Laud
Padmashree Dr.Rajendra Badwe

Key-note address by :
Speaker : Padmabhushan Dr.N.S.Laud
Topic : LTMGH : The Stimulus
Chairperson : Dr.A.B.Goregaonkar

Speaker : Padmashree Dr.Rajendra Badwe
Topic : Research in Surgery
Chairperson : Dr. Mukund Jagannathan, Dr. S.B.Dharap

Speaker : Dr.Nandu Mulmule
Topic : Mana Chiye Gunti
Chairperson : Dr.Hemant Dhusia, Dr. Nilesh Shah

Thursday 4th April 2013

Research Paper Competition

Speaker : Dr.Chetan Bhat
Topic : Irritable Bowel Syndrome : Not so irritable.
Chairperson : Dr.R.R.Deshpande, Dr. Prabha Sawant

Speaker : Dr.Minoo
Topic : TB Scenario in Mumbai
Chairperson : Dr.Pallavi Shelke, Dr. N.T.Awad

Speaker : Easy Life for Busy People
Topic : Dr.Mohit Gupta
Chairperson : Dr.Pramod Ingale, Dr. Sujata Baveja

Speaker : Dr.Pradeep Rao
Topic : RIRS (Retrograde Intra Renal Surgery)
Chairperson: Dr.Rahul Mayekar, Dr.Ajit Sawant

Speaker : Dr. Sumedh Gaikwad
Topic : Research in India : Where are we heading ?
Chairperson : Dr. Sudhir Pawar, Dr. Ajaykumar Mahajan

Speaker : Dr.Anand Shandilya
Topic : Raising "Technobrats"
Chairperson : Dr. Renuka Bradoo, Dr. M. V. Manglani

Poster Competition :

1st Prize in Poster Presentation

- Dept. of Obst. & Gyn : Dr. Shailesh Kore : Effects of period of gestation and position of fetal neck on nuchal translucency measurement.

2nd Prize in Poster Presentation

- Dept. of PSM : Dr. Vijaykumar Singh : A longitudinal study of acute respiratory tract infection among under five children in urban slum area of Mumbai.

Dissertation Competition :

1st Prize in Dissertation Competition

- Dept. of Anaesthesia : Dr. Kishori D. Bawdane : Double blind comparison of combination of 0.1% ropivacaine & fentanyl to combination of 0.1% bupivacaine & fentanyl for extradural analgesia in labour.

2nd Prize in Dissertation Competition

- Dept. of Obstetrics & Gynecology : Dr. Pradnya Supe : A comparative study of efficacy of misoprostol with methyl ergometrine and PGF₂?

Research Paper Competition:

1st Prize in Research Paper Competition

- Dept. of Anaesthesia : Dr. Shakuntala Basantwani : A randomized controlled study of tracheal extubation response following nitroglycerine (NTG) sublingual spray in hypertensive patients.

2nd Prize in Research Paper Competition

- Dept. of Medicine : Dr. Uma Sundar : Joint position sense testing - a clinical sign revisited.

Interesting Case Competition:

1st Prize in Interesting Cases Competition

- Dept. of Anaesthesia : Dr. Deepali Thakur : Anaesthesia challenge in a thyroid swelling with retrosternal extension causing SVC obstruction in an operated case of C1-C2 fixation.

2nd Prize in Interesting case Competition

- Dept. of Urology : Dr. Ajit Sawant : Rare case of post blunt abdominal trauma bilateral renal artery thrombosis with revascularization.



MEDICAL EDUCATION UNIT (MEU)

- Name and Address** : **Lokmanya Tilak Municipal Medical College & General Hospital**, Sion, Mumbai 400 022.
- Convenor** : **Dr. Avinash Supe**, Dean,
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E-mail: deanltmg@rediffmail.com
- Co-ordinator** : **Dr. N. D. Moulick**, Prof. & Head of Medicine,
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Contact No. : 9323609966
E-mail: ndmoulick@rediffmail.com
- Asst Co-ordinator** : **Dr. Sangeeta J. Pednekar**, Prof. of Medicine,
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Contact No. : 9821577430
- Treasurer** : **Dr. Laxmi Patel**, Assoc. Prof. of Physiology,
L.T.M.M.C. & L.T.M.G.H., SION, Mumbai 400 022.
Contact No. : 9821619240
- Jt. Treasurer** : **Dr. Smita Chavan**,
Asst. Prof., Community Medicine Dept.
- Executive Committee Members** : **Dr. H. L. Dhusia**, Prof. & Head, Dental College.
Dr. P. W. Ingale, Prof. & Head, Biochemistry Dept.
Dr. Nilesh Shah, Prof. and Head, Psychiatry.
Dr. Rajshree Naik, Head & Prof, Physiotherapy.
Dr. Anuradha De, Associate Prof. Microbiology.
Dr. V. S. Singh, Associate Prof PSM
Dr. Kavita Dipnaik, Associate Prof. Biochemistry
Dr. Bina Dias, Associate Prof. Biochemistry
Dr. Rucha Kulkarni, Assoc Prof. Anatomy
Dr. Manjiri Advani, Assoc Prof. Pharmacology
Dr. Neha Kadhe, Assoc Prof. Pharmacology
Dr. Madhuri Mahendrekar, Assoc Prof. Anatomy
Dr. Chhaya A. Kumar, Assoc Professor Microbiology.
Dr. Smita Ghate, Assoc. Prof. Dermatology
Dr. Shaijala Jaywant, Assoc. Professor O.T.
Dr. Anuradha Pai, Asst. Prof. O.T.
Dr. Vishakha Shinde, Asst. Prof. PT.
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Inauguration ceremony of the Trinity 2013. Seen in this photograph Director Dr. Nagda, Dean sir Dr. Merchant, Dr. Mayekar, Dr. Pawar, Dr. Ingale, Dr. Dhusia and GS Mr. Mohit.