



DMCH Capsule



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Dear Friends

In life, one comes across countless crossroads and alternative paths. You have to make appropriate choices to attain success.

If you do not even know your destination, you will be perpetually lost. You won't be sure which specific steps are required and what efforts need to be made to achieve your goal.

As suggested in 'thought for the month' (last page), you can decide which path to take only if you are clear where you want to reach.

Dr. Daljit Singh
Principal

CME-cum-Bronchoscopy workshop

A CME-cum-Bronchoscopy workshop organised jointly by DMCH and Jaipur Golden Hospital, New Delhi was held on March 7. Guest lectures were delivered by eminent speakers from DMCH, Ludhiana, Jaipur Golden Hospital, New Delhi and PGIMER, Chandigarh followed by live demonstrations of the various Bronchoscopy procedures and hands on training. The guest speakers were introduced to the audience by **Dr. Jagdeep Whig** (Pulmonary Medicine).



Principal **Dr. Daljit Singh** was the Chief Guest on the occasion and **Dr. Jai Kishan**, DRME Punjab, was the Guest of Honour. **Dr. UPS Sidhu**, Vice Chairman, **Dr. Rajiv Goyal**, Co-Chairman, **Dr. Sandeep Puri**, Medical Suptd. and **Dr. BS Aulakh**, Member, Medical Council of India were the other dignitaries present on the occasion.

The conference was very informative on giving practical tips for performing procedures such as bronchial washing, lavage, lung biopsy and transbronchial lung biopsies. [Pic. A & B]

TB Awareness Week

To mark World Tuberculosis (TB) Day falling on March 24, DMCH observed TB awareness week from March 18 to 24. The theme for this year was "On the move against Tuberculosis: Innovate to accelerate action". As a part of week-long celebrations, activities including Central Grand Rounds in the departments of Chest & TB and Orthopaedics were conducted. Poster Competition for undergraduate MBBS students in the Department of Community Medicine were also held. [Pic. C, D & E]



Fundamental Critical Care Support Course

Two-day first Fundamental Critical Care Support Course (FCCS) was organized under the auspices of Society of Critical Care Medicine (SCCM), USA by multidisciplinary experts in the fields of Anaesthesiology, Emergency Medicine, Internal Medicine, Pediatrics, Surgery and Nursing to handle critical medical and surgical emergencies. A team of ten certified instructors from all over India lead by FCCS National Consultant, **Dr. Narendra Rastogi** (President, ISCCM) had an interactive session with the participating delegates. Organizing Secretary **Dr. P.L. Gautam** (Anaesthesia) and **Dr. Vivek Gupta** (Cardiac Anaesthesia, HDHI) were also certified instructors for this course. [Pic. F, G]



First Live Operative Workshop and CME on Safe Bariatric Surgery

The workshop-cum-CME was inaugurated by **Shri Prem Kumar Gupta**, Secretary Managing Society. It was attended by surgeons from all over Punjab. Different restrictive bariatric surgery procedures were



demonstrated by **Dr. Laurent Layani**, Chief of upper GI & Bariatric Surgery, Gold Coast, Australia; **Dr. PS Nain** and **Dr. Ashish Ahuja** with the team of Bariatric Anaesthesiologists headed by **Dr. Sunil Katyal**, **Dr. Anju Grewal**, **Dr. Suneet Kathuria** and **Dr. Kamakshi**. Five keynote lectures were delivered by the faculty. [Pic. H]

Support group meeting on Obesity

A successful obesity support-group meeting was organized where 86 patients were registered for weight-loss surgery by the surgeon from Australia. Specialists from different specialities including **Dr HS Dhooria**, **Dr. Suman Puri** (Obst & Gynae), **Dr. Sanjeev Mahajan** (Ortho), **Dr. Naveen Mittal** (Endocrinology), **Dr. BP Mishra** (Psychology), **Mrs. Ritu Sudhakar** (Dietician), **Dr. Ashish Ahuja** and **Dr. PS Nain** (Surgery) participated in the meet. [Pic. I]



International Conference

Dr. M Rupinder Singh (Anaesthesia) presented a poster on "Butarphanol as an adjunct to Lignocaine in IVRA". She also attended "Ultra sound guided Regional Nerve Block" workshop at NYSORA World Congress at Dubai. [Pic. J]



Guest lectures/Sessions Chaired/Papers Presented

- ◆ **Dr. (Mrs.) BK Gill** (Obst & Gynae) chaired a session on 'Caesarean section and changing trends and medico legal issues' at CMC&H, Ludhiana.
- ◆ **Dr. Sandeep Puri** (Medicine) attended '2nd Biennial conference of Gastrointestinal Infection Society of India' and delivered a talk on "Giardiasis & Strongyloidiasis" at Chandigarh.
- ◆ **Dr. Harpal Selhi** (Ortho) delivered a guest lecture on 'Management strategies in open fractures of lower limb' at a CME on Complex Fracture Management at Amritsar.

He also delivered three talks on "Principals of Fracture Care", "Fractures of Shaft Femur" and "Ankle Fractures" under AOA Foundation, Switzerland at Jaipur.

- ◆ **Dr. BS Shah** (Pathology) chaired a session on 'Skin lesions in HIV & AIDS patients' and delivered a talk entitled 'Overview of diagnosis and management of Disseminated intravascular coagulation' at Pathology-2010 at GMC, Patiala.
- ◆ **Dr. Deepinder Chhina** (Microbiology) chaired a session on 'Diarrhoea' in 2nd Biennial conference of Gastro intestinal infection society of India, at GMC, Chandigarh.

She also presented a paper on 'Fungal Rhinosinusitis : Isolation profile in a tertiary care hospital in Punjab' at 8th National Conference of Society for Indian Human and Animal Mycologists, AIIMS, New Delhi. The incidence and prevalence of fungal rhinosinusites (FRS) is increasing leading to serious



complications, if not treated in time. In this study, 64% patients presented with non-invasive fungal rhino-sinusites, whereas 36.7% presented with invasive fungal rhinosinusites. The most common fungus isolated was *Aspergillus spp* (68%). [Pic. K]

- ◆ **Dr. Sandeep Kaushal** (Pharmacology) was a panelist at CME 'Pharmacovigilance-a Primer' at Rohtak. [Pic. L]
- ◆ **Dr. Preeti Bajaj** (Pathology) chaired a session on 'Changing trends in medical education' at Pathology 2010 at GMC, Patiala.



- ◆ **Dr. Sanjeev Uppal** (Plastic Surgery) delivered a talk on "Post bariatric surgery-Body contouring."

- ◆ **Dr. Baldev Singh Aulakh** delivered a guest lecture on 'Common urinary problems and kidney failure' at Rotary Club, Ludhiana. [Pic. M]



Annual Sports Prize Distribution

17th March



A glittering Prize Distribution Ceremony was held on March 17 to felicitate the winners of 45th Annual Athletic Meet of the college held at PAU Grounds, earlier.

REMEMBERING

Sahir Ludhianvi

DMCH and 'Dhvani' (Association for Promotion of Arts) organised an Inter College Singing Competition commemorating the birth anniversary of Sahir Ludhianvi on March 8, 2010. A programme of songs penned by Sahir was presented in the evening.



EMPLOYEES' SPORTS MEET



Employees of DMCH and Hero DMC Heart Institute participated with great zeal and enthusiasm in 5th Annual Employees' Sports Meet held from 17th-27th March.

The Annual College Convocation was held on March 13, 2010. Dr. JS Chopra, internationally renowned Neurologist, was the chief guest. Fifty two students received the degrees. Eighty six prizes and sixteen medals were awarded to students of different batches.

Annual Convocation 2010



Dr. Divyanshu Malhotra was adjudged as the Best Graduate and Best All Rounder for the graduating batch.



- ◆ **Dr. Gurdeep Singh Dhooria** as resource faculty in PALS course at Chandigarh.

Conferences/CME/Workshops attended

Dr. Ashima Taneja & Dr. Pooja Khanna (Obst & Gynae) attended a CME on 'Caesarean section and changing trends and medico legal issues' as delegates at CMC&H, Ludhiana.

Dr. Venu Gupta (Microbiology) attended a workshop on 'Hospital Infection control practices-practical aspects' as a delegate at MICRO-D-CON 2010 of Indian Association of Medical Microbiologists-Delhi Chapter, LHMC, New Delhi.

Dr Manish Munjal attended the "Artemis-Sloan Kettering 2010", Annual Joint International conference on Head Neck & Thoracic Oncology conducted at Gurgaon by galaxy of head neck and thoracic oncosurgeons, radiotherapists and medical oncologists from Memorial Sloan Kettering US, TATA Mumbai etc. [Pic. N]



Dr. Deepak Bhat (Pediatrics) attended a clinical seminar on Neonatal Pulmonary Critical Care State-of-the-art in respiratory assistance, delivery room care, prevention and treatment of chronic lung disease in neonates; at New Delhi. Care of a sick newborn starts right



from the delivery room and includes judicious use of resuscitative measures, especially oxygen. It was emphasized that hyperoxia is more harmful to a sick neonate than hypoxia. [Pic. O]

Dr. Kirandeep Kaur (Pharmacology) attended a CME on 'Pharmacovigilance-a Primer' at Rohtak.

Camps

Blood Donation Camps

The Department of Immunohaematology and Blood Transfusion organised 10 voluntary blood donation camps and collected 1360 units of blood.

► Kisan Mela

Dr. Arvind Goyal and **Dr. HS Dhooria** examined 454 patients at free medical, surgical and urological camp in PAU campus.

► Pulse Polio Campaign

The Pulse Polio Campaign covered 15,395 children and was supervised by **Dr. Sunil Kumar Juneja** and **Dr. Anurag Chaudhary**.

► **Kidney Stone Detection Camp** - 50 patients were examined and registered for lithotripsy procedure. [Pic. P]



What's New at DMCH....

Evening OPD

Evening OPD services have been started in the institution from 2 pm to 4 pm for General Medicine, General Surgery, Obst. & Gynae, Pediatrics, Eye, Psychiatry, Orthopedics and Dermatology.

Free consultation is provided to the patients.



Congratulations to

Dr. Rajoo Singh Chhina for being nominated as a Member, Post Graduate Board of Studies, BFUHS, Faridkot.

Dr. Virender Pal Singh (Forensic Medicine) for election as Executive Committee Member, Indian Society of Toxicology.

Dr. Puneet A Pooni (Pediatrics) on completing one year Fellowship in PICU at Cambridge University Hospital, UK sponsored by Royal College of Pediatrics & Child Health, London for GMC registration. She did her fellowship under the guidance of Dr. Robert



Tasker, a stalwart in the field of Pediatric Critical Care. [Pic. Q]

Dr. Anurag Chaudhary (Community Medicine) on completing Fellowship of CMCL-FAIMER Regional Institute.

Farewell



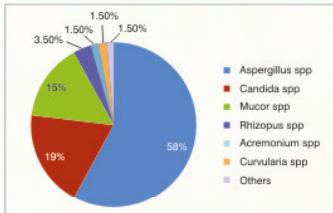
The DMCH family bid adieu to **Dr. Ashok Gupta**, Prof. & Head of Plastic Surgery after more than 39 years of service to the institution.

DAYANAND MEDICAL COLLEGE AND HOSPITAL, LUDHIANA

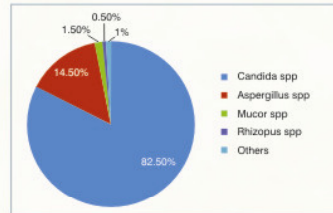
Rising Incidence of Fungal Infections

Year	Total Number	Positive Culture
2007	452	152
2008	537	234
2009	716	258

Profile of Fungal isolates from nose and paranasal sinuses



Profile of Fungal isolates from respiratory specimens



From the pages of
the history of medicine....



Measuring Blood Pressure

The first recording of blood pressure was done by **Stephen Hales** (1677-1761). He did this by inserting a tube into the neck artery of a horse and connecting it to a long tube. He found that the blood rose in the tube to 9 feet. This led to the invention of the manometer.

Thought for the Month



If you don't have a goal
You can't decide the right path

Executive Team – DMCH Capsule

Dr. Daljit Singh (Chairperson), Dr. Praveen C. Sobti (Convener),
Dr. Manish Munjal (Co-ordinator), Dr. Anju Grewal (Secretary),
Dr. Deepinder Kaur Chhina, *Dr. Sandeep Kaushal,
Dr. Rama Gupta, Dr. Harpal Singh Selhi, Dr. Gautam Biswas,
Dr. Pavneet Kaur Selhi, Dr. Deepak Bhat and Dr. Amit Bery
*Issue Co-ordinator

WHAT YOU MUST KNOW ABOUT...

Lab diagnosis of Fungal Infections

Dr. Deepinder Chhina, Professor of Microbiology

Q. What are the frequently encountered fungal infections?

A. Dermatophytoses, Fungal Rhinosinusitis (FRS), Fungemia, Fungal meningitis, Fungal pneumonia, Allergic Broncho-pulmonary Aspergillosis (ABPA), Mycotic keratitis etc. are frequently seen.

Q. What are the most common aetiological agents?

A. • Trichophyton rubrum, Microsporum canis, T. tonsurans, T. mentagrophytes and Epidermophyton floccosum are commonest in Dermatophytoses.
• Candida spp, Aspergillus spp, Malassezia spp, Trichosporon spp and Paecilomyces spp. are isolated more frequently from blood.
• Aspergillus spp, Mucor spp, Rhizopus spp, Curvularia spp, Bipolaris spp. and Pseudoallescheria boydii cause fungal rhino sinusitis (FRS).
• Cryptococcus neoformans, Candida albicans, Histoplasma capsulatum and Coccidioides immitis are responsible for meningitis.

Q. What are the different samples collected for the diagnosis of Dermatophytoses?

A. Skin, hair and nail are usually taken for diagnosis of Dermatophytoses. Skin scrapings, nail clippings (discoloured, dystrophic or brittle part of nail and plucked hair), should be placed in sterile petri dish or paper envelope.

Q. What are the different techniques employed for diagnosis of Dermatophytoses in the Microbiology lab?

A. • Direct microscopic examination of the KOH mount demonstrating the causative pathogen.
• Isolation of the fungus on Sabouraud Dextrose Agar with Antibiotics & Cyclohexamide, which takes about 3 weeks.

Q. Can the Automated Blood culture system available in Microbiology department be useful for Laboratory Diagnosis of Fungemia.

A. Yes, by inoculating 5-10 ml of Blood in Myco/F Lytic bottles of Bactec System. Multiple blood cultures at timed interval can improve the sensitivity.

Q. How should the biopsy sample be sent for Microbiological studies?

A. Biopsy should be sent in a sterile container with 2-3 ml of sterile normal saline or Brain-Heart Infusion (BHI) broth. Biopsy sent in formalin is unacceptable for mycological studies.

Q. Which is the relative value of tests for the diagnosis of Cryptococcal Meningitis?

A. Latex agglutination Test (Sensitivity & Specificity 95- 100%) is the most sensitive test for the diagnosis of Cryptococcal Meningitis. The Sensitivity of India ink preparation & Culture is only 50-70% & 20-30% respectively.

Q. What is the significance of isolation of Candida from respiratory samples?

A. Recovery of Candida from respiratory tract usually indicates colonization rather than infection. The only sure method to establish that Candida is the primary lung pathogen is to demonstrate yeast or pseudohyphae in a lung biopsy along with inflammation.

Q. What are the facilities available at DMCH for diagnosing fungal infections?

A. The facilities available at DMCH for diagnosing fungal infection include microscopy and culture by automated and conventional methods.

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