

**Departmental Profile**  
**Pharmacology**

**Special Services**  
**Joint Replacement Surgery**

**Focus**  
**National ADR Monitoring Centre**

# DMCH SCAN

TOWARDS EXCELLENCE IN MEDICARE & EDUCATION

January-June 2012 Volume No. 13

- ⊖ Quality Health Care
- ⊖ Excellent Medical Education
- ⊖ Relevant Medical Research
- ⊖ Latest Technology
- ⊖ Personal Touch



**Dayanand Medical College & Hospital**  
Ludhiana, Punjab (India)

## Dayanand Medical College & Hospital, Ludhiana

### PRINCIPALS (1969 to date)



(L-R) - **Dr SC Ahuja** (1.12.1998 to 31.8.2003), **Dr N Dubey** (31.5.1969 to 31.12.1985), **Dr LS Chawla** (1.1.1986 to 31.8.1994), **(Late) Dr SB Khurana** (1.9.1994 to 30.11.1998) & **Dr Daljit Singh** (1.9.2003 onwards)

#### *In fond memory of*

**Dr S B Khurana**, former Principal and Prof. & Head of Medicine

19-11-38 to 16-3-2011



*"The lives of great men remind us  
that we too can make our lives sublime...  
and departing, leave behind us  
footprints in the sands of time..."*

Dayanand Medical College & Hospital deeply mourns the passing away of Dr SB Khurana, Former Principal and Professor & Head of Medicine.

We remember him as our ideal, with everlasting affection and profound respect. His clinical acumen, teaching methods, sophistication and suaveness continue to form a cherished memory that we carry within our hearts.

### PRINCIPAL'S MESSAGE

The period of July to December 2011 witnessed continuing progress in all areas of DMCH.

Our institutional website [www.dmch.edu](http://www.dmch.edu) has recently been redesigned to provide, in a user-friendly and attractive manner, information about the college and hospital for the students, guardians, alumni, faculty members, patients and the community in general.

New students of MBBS Batch 2011 were accorded a warm welcome by the faculty and their seniors. An enjoyable interactive session with 2nd year students was also held to develop a better understanding and friendship between them.

Different departments conducted programs for celebration of health-related days including World Teenage Day, World Stroke Day, World Diabetes Day and Plastic Surgery Day, where medical and nursing students had active participation in various activities like roleplay, puppet-shows, quiz competitions, skits etc. apart from special educative programmes for patients and general public.

The highlight of the year 2012 will be the construction of the new college building including all the basic departments including labs, lecture theatres, demonstration rooms, offices and administrative complex.

**Dr Daljit Singh**  
Principal



# EVENTS AUGUST-DECEMBER 2011

To mark World Teenage Day, a declamation contest was organized by department of Pediatrics on 4th August, 2011 on the theme "Booze and Abuse-either lose them or lose yourself". The speakers, highlighted various social and physical issues related with alcohol use by adolescents.



## North Zone TOT Workshop on Adolescent Care

First North Zone Workshop for Training of Trainers on 'Adolescent Care in Office Practice' was organized by the department of Pediatrics. The pediatricians were trained in dealing with adolescent problems during interactive sessions and three different workstations.



## CME on Sterilization

"STERICON-2011" was held on 20th August to spread awareness about the Sterilization and Disinfection Practices in the hospital. The importance of preventing hospital acquired infections was discussed in detail. In recent years, concerns have been raised about the standards of practice and quality control in cleaning, disinfection and sterilization (CD&S) in various hospitals all over the world. Failure to implement best practice standards and quality control in CD&S has major implications for transmission of infections to hospital patients and implied risk to the community.



## Echocardiography Update

Echocardiography update CME & Workshop under the aegis of Cardiological Society of India (Punjab & Chandigarh Chapter) & International Society of Cardiovascular Ultrasound was held on 5th October, 2011. Newer advances in echocardiography were discussed by internationally-acclaimed faculty and live workshop was also conducted for 400 participating delegates.



## CME on Abdominal Imaging and Prenatal Diagnosis

Under the aegis of the Indian Radiological and Imaging Association (Punjab and Chandigarh branch), a CME on Abdominal Imaging and symposium on the prenatal diagnostic techniques act was organized on 20th November, 2011, which was attended by 300 radiologists, gynecologists and medical practitioners from the region. The medical professionals were requested to scrupulously observe the provisions of Pre-conception and Pre-Natal Diagnostic Tests (PCPNDT) Act.

Events

**“No prescription is complete without a drug!”**

Pharmacology forms an essential component of medical sciences and it contributes to all the specialities and super specialities.

The foundation of the department was laid by Late Dr Gurdev Singh in 1966 as a part of LSMF course. He continued to steer the department when the course was converted to MBBS in 1974. The reins of the department were handed over to Dr KC Mishra and then Dr (Mrs.) KB Minocha. From 1976 to 2000, the department was headed by Dr (Mrs.) Chanchal Gupta. She is credited with starting MD (Pharmacology) course in 1977. The steady progress was continued by Dr SC Chopra, a teacher par excellence, who became head in 2000. The MD course was recognized by MCI in 2007. He is a pioneer in starting a number of workshops for postgraduates including Statistics, Thesis Writing, Computer Training etc.

### At present

The good work of his predecessors is being taken forward by Dr Sandeep Kaushal who took over as head in 2009. Several new facilities have been added since. Drug Information Centre was started in 2009. The department has been recognized as the first ADR monitoring Centre in Punjab under Pharmacovigilance Programme of India (PvPI) since 2010. MCI has permitted increase in MD seats from 2 to 4 per year.

### Recent advances in teaching



Integrating therapeutics into UG teaching

- ◆ Simulated Intravenous (IV) infusion
- ◆ Computer Assisted Learning (CAL) to minimize animal sacrifice.
- ◆ Students submit “Therapeutic follow up case report” graded by a viva-voce.
- ◆ Clinical case discussion in collaboration with respective clinical departments.
- ◆ Pre-printed practical notebook covering the theory and practical aspects.

### Methodical PG training program

- ◆ Training in four pillars of Pharmacology viz. Experimental, Chemical, Clinical and Ethnopharmacology (ECCE).



- ◆ Writing protocols and conduct various phases of clinical trials.



- ◆ At least one research project in addition to the thesis project.
- ◆ 100% placement at highly reputed academic institutes, corporate hospitals and pharmaceutical industries.

### Assets

- ◆ Well equipped UG Laboratories
- ◆ Well stocked museum with 250

indigenous drugs and over 1000 pharmaceutical specimens. Case scenarios with photographs depicting adverse drug reactions.

- ◆ The first Animal House to be registered with CPCSEA in the region.
- ◆ Fully equipped Research Laboratory.



- ◆ Training of residents in chemical estimation, gel electrophoresis, plant extract assay etc.

- ◆ Clinical Pharmacology Laboratory equipped with computerised TMT, spirometer, psychomotor function test, etc.



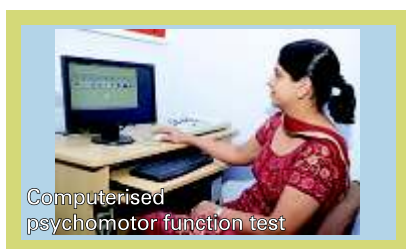
(L to R)

Sitting - Dr Kirandeep Kaur, Dr Kanchan Gupta, Dr Sandeep Kaushal, Dr Shalini Arora, Dr Bharti Mahajan

Standing - Dr Sonesh Kalra, Dr Amandeep Kaur, Dr Mukta, Dr Deepti, Dr Amandeep, Dr Shweta Singla, Dr Shivani Juneja



# Pharmacology



## Clinical Services

- ◆ First Drug Information Centre (DIC) in the region started in 2009.
- ◆ **Monthly Drug Update:** regarding recently approved drugs and newer indications, adverse drug reactions, warnings or withdrawal of medicines, and a brief review about a group of drugs since August 2009.
- ◆ A two bedded **Clinical Pharmacology Unit** with multi-parameter recorders.



- ◆ **ADR monitoring Centre**, working under Pharmacovigilance Programme of India (PvPI). It collects data on adverse events from wards and ICUs.
- ◆ Support for conduct of **phase II trials**.
- ◆ **Drug Utilization studies** and **Prescription Audit** conducted periodically.
- ◆ **Drug formulary** for the entire hospital has been prepared.
- ◆ The faculty also participates in :
  - **Ethical considerations** of research proposals (humans and animals)
  - **Drugs and Therapeutics Committee**
  - **Hospital Infection Control Committee**

## Organization and resource faculty for inhouse workshops

- ◆ The department has been organizing workshops in Clinical Research Methodology, integrating Clinical Pharmacology in UG curriculum at National and Zonal levels.
- ◆ More than a dozen CMEs have been organised under the aegis of 'Association of Physiologists and Pharmacologists of India' since 2000.
- ◆ Workshops to train the PGs in Thesis plan writing, Statistics, Thesis writing, use of computers in medical research and Pharmacovigilance are regularly conducted.

## Achievements and Special training:

- ◆ **Dr Sandeep Kaushal**, Professor and Head, Assistant Dean Academics, Consultant, Epilepsy Clinic. Diploma in Computer Applications. **Trainings** : Clinical Pharmacology (2001), Adverse Drug Reaction Monitoring (2001), Epileptology (Venice, 2002), High Performance Liquid Chromatography (2006), Pharmacogenomics (USA, 2008) **Awards** : Dr BC Roy National Award-Research Project (2002), Travel bursary Award-6, Associateship for training, Biotechnology (USA, 2007-08), AOEC Fellowship (Japan, 2002), Indian National Science Academy (INSA) Visiting Fellowship 2006, INSA Visiting Fellowship 2001. **Member** : National Academy of Medical Sciences (MAMS, 2010), American College of Clinical Pharmacology (ACCP, 2008), British Pharmacological Society (BPS, 2008), Health Action International - Asia Pacific (HAI-AP, 2006), Australian Institute of Medical Scientists (AIMS, 2004).

**Peer reviewer** : Several International & national journals.

Faculty at Annual "National workshop on Clinical Pharmacology", PGIMER, Chandigarh since 2006.

**Publications** : Journal - International : 42; National : 35; Chapters : 4; Book : 1  
**Guided** 4 ICMR-STs projects.

- ◆ **Dr Shalini Arora**, Professor MBA, PGDIM & PGDMM. Member, Editorial Board: "Quarterly Drug Update". **Publications**: 13 (International & National).  
Guided an ICMR STS project.
- ◆ **Dr Kanchan Gupta**, Associate Professor DNB (Pharmacology) and PDCR (Professional Diploma in Clinical Research). Member, National Academy of Medical Sciences (MNAMS). Co-authored one chapter  
Member, Editorial Board : Journal Clinical Research  
**Publications** : 20
- ◆ **Dr Bharti Mahajan**, Associate Professor DNB (Pharmacology) and PDCR. Member, National Academy of Medical Sciences (MNAMS).  
**Publications** : 9; Chapters in books : 3
- ◆ **Dr Kirandeep Kaur**, Assistant Professor PDCR and 'Industry Programme in Clinical Trial, Research and Administration'.  
Actively involved with the Adverse Drug Reaction Monitoring.  
**Publications** : 12, co-authored a book on 'Pharmacotherapy of smoking cessation -current and future status'.

## The Future.....

To ensure safe and effective therapy for patients through

- Pharmacokinetic laboratory using HPLC and other methods for drug estimation.
- Pharmacogenomics laboratory.



## AWARDS

- ▲ **Dr Sanjeev Uppal** (Plastic Surgery): Fellowship in Cosmetic Surgery at York University, USA
- ▲ **Dr Munish Munjal** (ENT) : Senior consultant gold medal at Annual Conference of Otolaryngologists of India.
- ▲ **Dr Suman Puri** (Obstetrics & Gynecology): Fellowship of the Indian College of Obstetricians and Gynaecologists.
- ▲ **Dr Omesh Goyal** (Gastroenterology): Young Investigator award at International Liver Congress, Vienna, Austria.

## POSITIONS

- ▲ **Dr Gurpreet Singh Wander** (Cardiology) : President, Hypertension Society of India
- ▲ **Dr Daljit Singh** (Pediatrics) : Chairperson, Board of Studies in Medical Sciences (PG) and Member, Faculty of Medical Sciences & 7th Academic Council, BFUHS.
- ▲ **Dr HS Bains** (Pediatrics) : Joint Zonal Coordinator of IAP BLS Programme-2011.
- ▲ **Dr Kavita Saggarr** (Radiodiagnosis): President of Punjab & Chandigarh Branch of IRIA.
- ▲ **Dr Anurag Chaudhary & Dr Sangeeta Girdhar** (Community Medicine) : Executive member of Indian Public Health Association, State Branch, Chandigarh.
- ▲ **Dr Munish Munjal** (ENT) : Executive Member of Association of Phonosurgeons of India.
- ▲ **Dr Puneet Pooni** (Pediatrics) : Scientific Advisor, Intensive Care Chapter, Punjab.
- ▲ **Dr M Rupinder Singh** (Anaesthesia) : Executive Member of Academy of Regional Anaesthesia.
- ▲ **Dr Deepak Bhat** (Pediatrics) : Treasurer, IAP-Intensive Care Chapter, Punjab.
- ▲ **Dr Virender Pal Singh** (Forensic Medicine) : Executive Member, Punjab Academy of Forensic Medicine & Toxicology
- ▲ **Dr Gurdeep Singh Dhooria** (Pediatrics) : Executive Member, NNF, Punjab.
- ▲ **Dr Kamini Gupta** (Radiodiagnosis) : Secretary of Punjab & Chandigarh branch of IRIA.
- ▲ **Dr Jasbir Kaur** (Nursing): President TNAI, Punjab. 2011-15, Executive Committee member of TNAI Hq.

# Then

1991



## OVERSEAS PRESENTATIONS

- ▲ **Dr Daljit Singh, Dr Puneet A Pooni, Dr Deepak Bhat & Dr Siddharth Bhargava** (Pediatrics): Sixth World Congress on Pediatric Critical Care-2011, Sydney, Australia.
- ▲ **Dr Praveen C Sobti** (Pediatrics) : 4th National Thalassaemia Seminar, Kuala Lumpur, Malaysia.
- ▲ **Dr RK Soni** (Community Medicine): World Congress of Epidemiology, Edinburgh, Scotland.
- ▲ **Dr Omesh Goyal** (Gastroenterology): Annual Conference of the Asia Pacific Association for Study of Liver (APASL-2011), Bangkok and United European Gastroentology Week, Stockholm, Sweden.
- ▲ **Dr Nitin Behl** (Gastroenterology): Asia Pacific Digestive Week, Singapore.

## OVERSEAS VISITS

- ▲ **Dr Jagdeep Whig** (Pulmonary Medicine) : Annual Congress of European Respiratory Society -2011, at Netherlands.
- ▲ **Dr Rajoo Singh Chhina** (Gastroenterology) : Digestive Disease Week 2010, New Orleans, USA.
- ▲ **Dr Sanjeev Uppal & Dr Ramneesh Garg** (Plastic Surgery) : International Confederation of Plastic





2011

*Now*

Reconstructive and Aesthetic Surgeons at Vancouver, Canada

- ▲ **Dr Navjot Bajwa** (Biochemistry): IFCC-World Lab-Euromed Lab Berlin 2011 Congress at Germany.
- ▲ **Dr Anurag Chaudhary** (Community Medicine) : 6th Congress of the Asian Medical Education Association, Kuala Lumpur, Malaysia.
- ▲ **Dr Dinesh Garg** (Ophthalmology): 24th APACRS & KSCRS symposium at Seoul, Korea.
- ▲ **Dr PS Nain** (Surgery): Bariatric Mini-fellowship programme at John Flynn Hospital, Queensland, Australia.
- ▲ **Dr Harpal Singh Selhi** (Orthopaedics): AO Trauma International Fellowship at Munich, Germany and OTA Annual meeting, San Antonio, USA.
- ▲ **Dr Gurdeep Singh Dhooria** (Pediatrics): 9th International Congress of Tropical Pediatrics, Bangkok, Thailand.
- ▲ **Dr Deepak Bhat** (Pediatrics): 7th World Congress of the World Society of Pediatrics Infectious Diseases (WSPID) at Melbourne, Australia.
- ▲ **Dr Rupesh Chaudhary** (Psychiatry) : 16th Annual Course of Schizophrenia, Madrid, Spain.

## HONOURS

- ▲ **Dr Harmesh Singh Bains** (Pediatrics): National Instructor & State Coordinator IAP NRP project.
- ▲ **Dr Praveen C Sobti** (Pediatrics) : National Trainer of Adolescent Care and awarded Bhaskar Woman of the Year Award 2011.
- ▲ **Dr Gautam Ahluwalia** (Medicine): Nominated to Medicine Respiratory Sub-group for development of Standard Treatment Guidelines & Convener Core Policy subcommittee AIIMSONIANS.
- ▲ **Dr Anju Grewal** (Anaesthesia) : Associate Editor, Journal of Anaesthesiology Clinical Pharmacology
- ▲ **Dr Deepinder Chhina** (Microbiology): Assistant editor, Journal of Gastrointestinal Diseases.
- ▲ **Dr Shikha Gupta** (Anaesthesia): Fundamental Critical Care Support (FCCS) course Instructor
- ▲ **Dr Gurdeep Singh Dhooria** (Pediatrics): District level Instructor, IAP & NNF-FGM Programme.
- ▲ **Dr Jatinder S Goraya** (Pediatrics) : Fellowship in Pediatric Neurology by RCPSC, Canada.
- ▲ **Dr Jasbir Kaur** (Nursing): Fellowship of Indian Society of Psychiatric Nurses and member of research Degree Committee for Ph.D, BFUHS.
- ▲ **Dr Suresh Sharma** (Nursing): selected as external advisor for validation programme of research for B.Sc Nursing (Hons) of Liverpool John Moores University, Liverpool, UK and as Chairperson, Programme committee, TNAI, Punjab, 2011-15.
- ▲ **Department of Pharmacology** : selected as first centre in Punjab for Adverse Drug Reaction Monitoring Centre.

## Farewell

**Dr BK Gill** (Obst & Gynae) was given a warm farewell by the Managing Society, Faculty and staff after 31 years of distinguished service.



## National ADR Monitoring Centre

The department of Pharmacology has the distinction of developing the first Adverse Drug Reaction Monitoring Centre in the state of Punjab under PvPI (Pharmacovigilance Programme of India) since December 2010. Dr Sandeep Kaushal is Coordinator, Dr Kirandeep Kaur is Deputy Coordinator and Mr. Mohammad Shami is Technical Associate of the centre. All team members have been trained in recording ADRs and use of e-resources at National Coordinating Centre (NCC), Indian Pharmacopoeia Commission (IPC), Ghaziabad.

The centre is working in collaboration with various clinical departments.

- Before starting the reporting of ADRs, Nursing staff, Residents and Consultants of the hospital are sensitized to the identification and need for reporting ADRs and the methodology to be adopted for filling the form. The centre has prepared an abbreviated ADR form so that filling of the elaborate CDSCO form does not become hindrance in the reporting of ADRs.
- Brief information about the suspected adverse events and the medicines administered is provided by the Residents or Consultants on the abbreviated ADR form along with patient demographics.
- The technical associate at the centre visits the clinical departments daily and collects the forms from the reporting consultants.
- The CDSCO ADR forms are filled in consultation with the reporting doctor followed by the Causality Assessment to determine the relationship of the event with the medicine.
- Using Vigiflow software, the completed form is electronically uploaded into the International Database at WHO Monitoring Centre, Uppsala, Switzerland.

The centre answers queries from the co-professionals from 8.30 am to 4.30 pm on all working days. The queries can be made on phone (9876500718) or sent by email (dicdmch@gmail.com) to "The Drug Information Centre". The response is provided as soon as possible or latest by 24 hours. The facility is presently for DMCH faculty and residents only, and will be extended to other doctors in due course.

**Bulletin :** The centre also releases a monthly newsletter since August 2009 which contains the latest information about withdrawal of any drug or newly reported adverse effect with any drug. Another component is a brief update about a group of drugs highlighting clinically important information.



**SUSPECTED ADVERSE DRUG REACTION REPORTING FORM**  
For VIGIFLOW Reporting of Adverse Drug Reactions by healthcare professionals

**CDSCO**  
Central Drugs Standard Control Organisation  
Director General of Medicines, Chemicals and Cosmetics  
New Delhi

**Medical Officer**  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_

**A. Patient Information**  
Patient Name: \_\_\_\_\_ Age: \_\_\_\_\_ Sex: \_\_\_\_\_  
Date of Birth: \_\_\_\_\_ Date of Onset: \_\_\_\_\_  
Hospital Name: \_\_\_\_\_

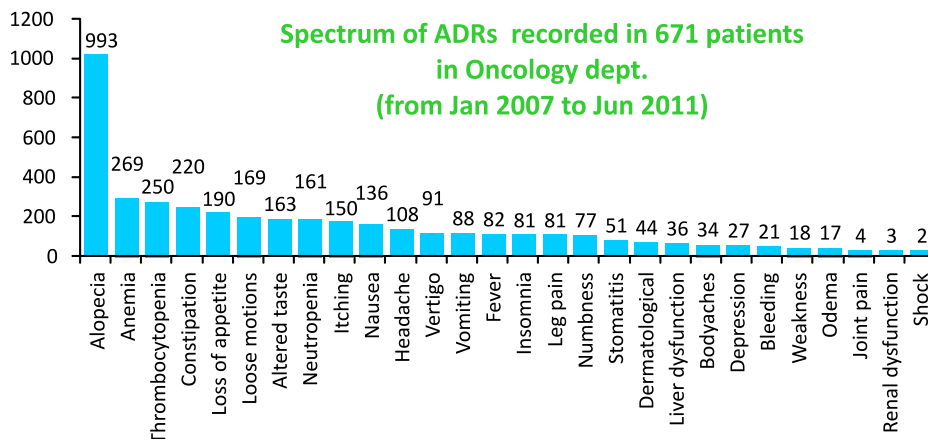
**B. Suspected Adverse Reaction**  
1. Date of reaction started (dd/mm/yyyy): \_\_\_\_\_  
2. Date of recovery (dd/mm/yyyy): \_\_\_\_\_  
3. Duration reaction or problem: \_\_\_\_\_  
4. Site/s of the reaction: \_\_\_\_\_  
5. Description of the reaction: \_\_\_\_\_  
6. Outcome: \_\_\_\_\_

**C. Details of the reaction**  
1. Name of drug(s) (dd/mm/yyyy): \_\_\_\_\_  
2. Dose of drug(s) (dd/mm/yyyy): \_\_\_\_\_  
3. Route of administration: \_\_\_\_\_  
4. Indication: \_\_\_\_\_  
5. Other drugs: \_\_\_\_\_

**D. Reaction after drug stopped or dose reduced**  
1. Reaction subsided after drug stopped or dose reduced: \_\_\_\_\_  
2. Reaction reappeared after drug reduction: \_\_\_\_\_

**E. Comments on the reaction**  
1. Causality assessment: \_\_\_\_\_  
2. Severity: \_\_\_\_\_  
3. Other comments: \_\_\_\_\_

**F. Reporting and follow-up**  
1. Name and designation of reporter: \_\_\_\_\_  
2. Date of report: \_\_\_\_\_  
3. Date of follow-up: \_\_\_\_\_





## Joint Replacement Surgery

Department of Orthopaedics, is a specialized area catering to patient with all kind of diseases of joints & musculoskeletal system. The department started performing complex surgery of joint replacement of hip, knee, elbow and ankle way back in 1990 when it was not being performed in most of the health centres of the region. At present the Department, headed by Dr M Yamin, has a team of 6 highly trained arthroplasty surgeons.

Most common joints which need replacement are hip & knee. The common reasons are:-

1. Osteoarthritis
2. Rheumatoid arthritis
3. Stiff joints after complex fracture
4. Old healed infection.
5. Congenital deformities

### Outcome of joint replacement surgery

- ▲ The patient has pain free joint.
- ▲ Deformity is corrected and limb length discrepancy, if any, is corrected.
- ▲ Patient has near normal range of motion.
- ▲ Patient can perform almost all kinds of physical activities including sports.
- ▲ Since mobility is restored, many secondary ailments like diabetes, heart problems and hypertension can be either prevented or better managed.
- ▲ Patient can be back to his/her job or business within 2 or 3 weeks of surgery.

### Highlights at DMCH

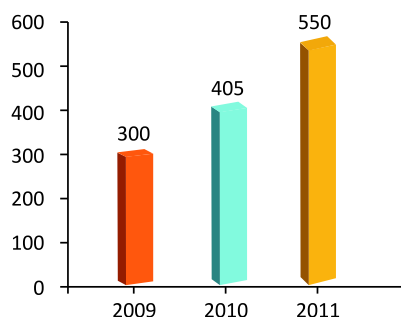
Currently the department is performing joint replacement in the newly constructed state-of-the-art operation theatres with latest techniques which include small incisions, latest instruments & high quality Implant.

The department provides excellent post operative physical rehabilitation facilities enabling the patient to walk the very next day.

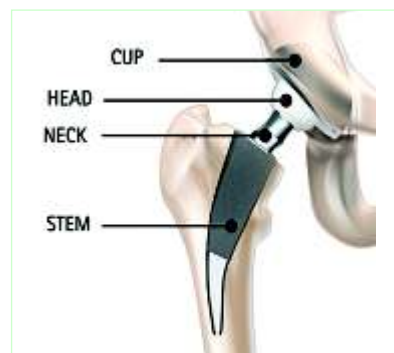
The latest implants are being used which include high flex knee, gender specific knees and latest ceramic on hip joints.

### Revision Joint Replacement

The surgeons are fully trained and experienced to redo or correct joint replacements which have failed or have not been given satisfactory result to the patient.



Number of hip & knee replacement surgeries





# Campus Blitz

→ Divisional Round of NNF Pediatric Quiz (19th July, 2011)



→ Indian Academy of Pediatrics UG Quiz (20th July, 2011)

→ Introductory Session for MBBS Freshers (1st Aug, 2011)



→ DMCH welcomes freshers (3rd Sep., 2011)



→ Communal Harmony week (19th Nov., 2011)





## Alumni Meet

DMC Alumni Committee organized Annual DMC Alumni Meet, 2011 on 25th December. Three hundred students of various MBBS batches of DMCH settled in India and abroad had a memorable evening, sharing their enriched experiences and journey of their life after stepping out of the college.

The students of the MBBS admission batch of 1986 were felicitated during the meet on the completion of their silver jubilee and were also taken for a hospital round. It was exhilarating for them to see their alma mater evolving into a premier medical institute of the region.



**Outgoing Batch 2007**

### Sitting (L to R)

1st Row : Dr Mohd.Yamin (Orthopaedics), Dr GS Bajwa (Ophthalmology), Dr Anurag Chaudhary (Community Medicine), Dr Deepinder Chhina (Microbiology), Dr Harmesh S Bains (Pediatrics), Dr Jaspal Singh (Surgery), Dr Navjot Bajwa (Biochemistry), Medical Supdt. Dr B S Shah (Pathology), Vice-Principal Dr Jagdeep Whig (Pulmonary Medicine), Principal Dr Daljit Singh (Pediatrics), Dean Academics Dr Rajoo Singh Chhina (Gastroenterology), Medical Supdt. Dr Ashwani Chaudhary (Neurosurgery), Assistant Dean Academics Dr Sandeep Kaushal (Pharmacology), Dr Hemant Chopra (ENT), Dr Vineeta Malhotra (Pathology), Dr Promila Jindal (Obst. & Gynae), Dr Alka Dogra (Dermatology), Dr Amarjit Kaur (Transfusion Medicine), Dr Namita Budhiraja (Dentistry)

### Standing (L to R)

1st Row : Drs Jasleen Kaur, Rajveer Kaur, Mehak Singla, Gurpreet Kaur, Satjeet Kaur Deol, Saloni Goyal, Gurkanwal Kaur Toor, Pinky Swaroop, Amarjit Kaur, Navjot Kaur, Gurleen Kaur, Sukhmandeep Kaur, Bhawna, Inderjot Kaur Bajwa, Akshjot Puri, Simran Kaur Randhawa, Sumati Verma, Navneet Kaur, Anupriya, Shriya Dhar  
 2nd Row : Drs Kanwalpreet Singh Dhami, Arpit Garg, Maniyot Bajwa, Jotdeep Singh Bamrah, Praful Tewari, Dimple Kumar, Ankit Chalia, Mayank Batra, Daljit Singh, Anirudh Jindal, Dharamvir, Puneet Singla, Robin Jindal, Gautam Gupta, Anuj Mahajan  
 3rd Row : Drs Kashish Goyal, Gursharan Singh Gill, Uttam Verma, Simarpreet Singh Kalra, Ashish Pal Singh, Harsimran Singh Gogia, Harsimran Singh Sekhon, Sukhdeep Bhogal, Abhinav Sood, Ajay Pal Singh, Ajay Singh, Amandeep Singh, Rakesh Kumar, Ankit Poonia, Rishab Garg

*For memories sake....*

*Outgoing Batch 2007*





# DAYANAND MEDICAL COLLEGE & HOSPITAL, LUDHIANA, PUNJAB

## SPECIAL PATIENT CARE FACILITIES & SERVICES

### SPECIALITIES

<b>ANAESTHESIOLOGY</b>	Digital Anaesthesia Work Stations, Ultrasound guided Regional Anaesthesia techniques, Patient controlled analgesia, Acute and Chronic Pain Management Services, Round the Clock Resuscitation Services, Critical Care	<b>SURGERY</b>	Laposcopic Surgery, Surgical ICU, World Class Modular OT's
<b>DENTAL</b>	Specialized Bridge Work, Implantation, Orthodontics	<b>OBST &amp; GYNAE</b>	Laparoscopic & Hysteroscopy Gynae Surgery, Non descent vaginal hysterectomy, Infertility Treatment, HPV/Pap Smear/Colposcopy with LEEP for Cancer Cervix, Institutional Free Family Welfare Services, Free normal vaginal delivery for poor patients
<b>DERMATOLOGY</b>	Radiofrequency Ablation, Allergy Testing, Cryotherapy, Full Body PVA Unit, Blend technique for hair removal, Punch Grafting, Latest Chemical Peels, Skin biopsy, Pulse therapy for vesiculobullous & collagen disorders	<b>ORTHO PAEDICS</b>	Spine Surgery for fixation with Rods and Plates Arthroplasty for Hip, Knee, Shoulder & Elbow Replacement Comprehensive Diabetic Foot Management Congenital Deformity Correction
<b>LAB SERVICES</b>	Complete Automated Biochemistry Lab, Radio Immunoassay Lab, Automated Haematology Services, IMX, Automated Electrophoresis, Advanced HIV Lab, Bactec Culture Facility, PCR, Automated Haematology Services, Automated Coagulation Profile and Electrophoresis along with immunofluorescence and immunohistochemistry facilities, Automated ELISA Facility, Fluorescent Microscopy	<b>PEDIATRICS</b>	Advanced Nursery Care with ultra modern facilities, Well equipped Pediatric ICU Pediatric Haemato Oncology Section <i>Speciality Clinics</i> : Child Welfare Clinic, Gastroenterology Clinic, Asthma Clinic, Epilepsy and Cerebral Palsy Clinic, Clinic for adolescents & behaviour disorders in children
<b>ENT</b>	Microsurgery of Ear, Endoscopic Surgery of Nose and Sinus, Microsurgery of Larynx, Head & Neck Surgery, Speech therapy and Hearing Rehabilitation Services, Vestibular Services and Vertigo Assessment	<b>PHYSIOTHERAPY</b>	Exercise programme for Ortho and Neurological patients, Special rehabilitational programmes for Stroke and Trauma Patients, Occupational Therapy Cerebral Palsy Clinic
<b>EYE</b>	Advanced Vitreoretinal Surgeries, Phaco, Glucoma & Squint Surgeries, Medical Retina & Lasers, Photo Dynamic Therapy, Computerised Perimetry, Corneal Grafting, Digital FFA	<b>RADIO DIAGNOSIS</b>	1.5 Tesla MRI scan, 128 Slice CT scan, 2-D, 3-D & 4-D Ultrasound & Colour Doppler, DXA Bone Densitometry Digital X-Ray & Mammography, Interventional Radiology Procedures
<b>MEDICINE</b>	Critical Care Unit & Medical ICU, Rheumatology Service, Emergency Medicine Services, HIV Clinic	<b>IMMUNOHAEMATOLOGY &amp; TRANSFUSION MEDICINE</b>	Enhanced Chemiluminescence Immunoassay (Virtros Eci) and 4th Generation Elisa, Gel Technique, Single Donor Platelet & Plasma Apheresis, Therapeutic Plasma Exchange Cryoprecipitate and Washed RBCs
<b>PSYCHIATRY</b>	De-addiction, Child Psychiatry, Family & Marital Counseling	<b>TRAUMA</b>	State-of-art services for multiple injuries

### SUPER SPECIALITIES

<b>MEDICAL</b>	Intensive Control of Diabetes & Hormonal Disorders	<b>SURGICAL</b>	Transphenoid Excision of Pituitary Tumor, Spinal Instrumentation, Micro Discetomy Artificial Cervical Disc Replacement
Endocrinology	Endoscopy, Colonoscopy, ERCP, Double Balloon Enteroscopy, Capsule Endoscopy, High Resolution Manometry with Impedance, Argon Plasma Coagulation(APC) Edophageal PH	Neurosurgery	Specialised Surgery of Neonates
Gastroenterology	Metry Fibrosan Malabsorption Tests	Pediatric Surgery	Cosmetic, Hand & Reconstructive Surgery, Peripheral Vascular Injury, Facio Maxillary Trauma, Laser Therapy and Burns ICU
Nephrology	Haemodialysis/CAPD, Continuous Venovenous Dialysis (CV VH & CVVHD)	Plastic Surgery	Endourology, PCNL, Oncourlogy, Renal Transplant, ESWL
Neurology	Stroke ICU, NCV/EMG, Digital EEG, EEG Telemetry, Tilt Test, Neuropsychology, Neuro-Rehabilitation	Urology	Specialised Surgery of Hepato-Biliary, Pancreatic & Digestive Tract
Oncology	Day Care Services	GI Surgery	Specialised Cancer Surgery
Pulmonary Medicine	Pulmonary Critical Care Unit, Pulmonary Lab (PFT) Bronchoscopy Sleep Lab, NIV Unit, DOTS-Tuberculosis Centre	Surgical Oncology	

For Private Circulation Only

### UNIT : HERO DMC HEART INSTITUTE

- ☞ Echo, TMT, Carotid Doppler
- ☞ Beating Heart Surgery, Valve Replacement, Adult Congenital Surgery
- ☞ Coronary, Renal, Cerebral, Peripheral Angiography and Angioplasty
- ☞ Aneurysmectomy and Reduction Ventriculoplasty
- ☞ Single Chamber, Dual Chamber and Biventricular Pacemaker
- ☞ Executive Health Check-Up Clinic



**Quality certification of diagnostic laboratories, transfusion services and heart institute**

#### Nuclear Medicine Imaging

SPECT-CT Gamma, Cardiology Scans (Muga Study), Bone Scans, Renal Scans, Oncology Scans, Lung Scans, Thyroid Scans, Brain Scans & others.

#### Academic Courses

**MBBS MD/MS :**  
Anatomy, Physiology, Biochemistry, Pathology, Pharmacology, Microbiology, Medicine, Surgery, Obstetrics & Gynaecology, Pediatrics, Dermatology, Ophthalmology, Otolaryngology, Orthopedics, Anesthesiology, Radiodiagnosis, Psychiatry and Community Medicine, Immunohaematology & Transfusion Medicine

**Diploma**  
DA (Anesthesia), DCH (Pediatrics), DLO (ENT), DGO (Obst & Gynae)

**Superspeciality Courses :**  
DM (Cardiology), DM (Gastroenterology), DM (Neurology), MCh (Plastic Surgery), MCh (Urology), MCh (Cardiothoracic Surgery), MCh (Neuro Surgery)

**Nursing :** MSc, BSc and Post-Basic BSc



#### Editorial Team

##### Standing (L-R)

- 1st Row :** Dr Dinesh Garg, Dr Suneet Kant Kathuria (Secretary), Dr Sandeep Puri, Dr Daljit Singh (Editor-in-Chief), Dr Rajoo Singh Chhina (Associate Editor), Dr Atul Mishra.
- 2nd Row :** Mr Aayush Chaku (Public Relations Officer), Dr Sonia Singh, Dr Kanchan Gupta, Dr Shikha Gupta, Dr Praveen C Sobti, Dr M Rupinder Singh, Dr Bharti Mahajan.

#### HELP LINES

EPABX : 0161-4688888, 4687777 (60 lines)  
HEART INSTITUTE : 0161-2304282 to 2304287  
AMBULANCE : 98155-55100  
Fax : 0161-2302620  
E-mail : dmch\_ldh@satyam.net.in  
dmchldh@glide.net.in  
Website : www.dmch.edu



**DMC & Hospital**  
Tagore Nagar, Civil Lines,  
Ludhiana 141001(Pb.), India