



Quality Health Care  
Excellent Medical Education  
Relevant Medical Research  
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Personal Touch

# DMCH SCAN

TOWARDS EXCELLENCE IN MEDICARE & EDUCATION

January-June 2013

*Departmental Profile*  
**Psychiatry**

*Special Services*  
**Rural Health Centre**

*Focus*  
**Pain Management Services**



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

## Dayanand Medical College & Hospital, Ludhiana Unit : Hero DMC Heart Institute (HDHI)



### HDHI – Year 2012

OPD	69220	Angiography	3327	Health Check Up	2865
Admissions	8516	Angioplasty	1141	TMT	46013
Operations	1072	Echocardiography	21329	ECG	26201

### ***PRINCIPAL'S MESSAGE***

Academic activities in various departments continued in full swing in the past 6 months, marked by numerous workshops, conferences, CMEs, guest lectures and other events. This year, the institution had the privilege to host a plethora of events including National Conference of Hypertension Society of India, PHOCON-2012, ICACON and ISMSCON-2012.

With a mission to bring quality healthcare within the reach of every individual, DMCH pioneered a new era in blood safety by becoming the first hospital in the region to implement Individual Donor Nucleic Acid Amplification Testing (ID-NAT) for blood screening. The institution also executed a Memorandum of Understanding (MOU) with Imperial College, UK for developing long-term bilateral co-operation between the two institutions in medical education, research and clinical expertise. The ambitious project for the proposed new grand college building witnessed *Bhoomi Poojan* and foundation stone laying ceremony at OLD DMC Campus.

In recognition of state-of-art facilities and services offered by DMCH, The Week, in its annual survey, ranked DMCH as the best hospital in Ludhiana.

**Dr Daljit Singh**  
Principal

# EVENTS July-December 2012



## World Breast Feeding Week

To commemorate the World Breast Feeding Week falling on 1st to 8th August, 2012, Department of Pediatrics organized activities for the entire week. These included a series of lectures, declamation contest and a poster making competition to provide practical tips for successful breast feeding, and to highlight the advantages for both mother and baby.

## MCI Workshop

To enhance capacity building of teachers, the 4th three-day workshop on Basic Medical Educational Technology was organized from 21st to 23rd August, 2012. The scientific sessions on various aspects of educational objectives, teaching learning strategies and assessment as relevant to medical education were attended by 35 faculty members. Further workshops in the post half of 2013 will enable 100% of our faculty to be trained.

## National Voluntary Blood Donation Day

Department of Immunohematology & Transfusion Medicine celebrated National Voluntary Blood Donation Day on 1st October, 2012 by honoring more than 80 social organizations and faculty members of DMCH, who have been regularly donating blood for the last several years.

## ISMSCON-2012

Department of Community Medicine organized three-day 30th Annual National Conference of Indian Society for Medical Sciences (ISMSCON-2012) from 6th to 8th October, 2012 on the theme "Understanding & Translating Statistical & Epidemiological Innovation into Biomedical Research." The conference gave the delegates an ample opportunity to learn several components of bio statistics and their application in the field of medicine and public health.

## PHOCON-2012

Department of Pediatrics under the aegis of PHO Chapter of IAP organized 16th Annual Pediatric Haematology Oncology Conference, PHOCON-2012 from 16th to 18th Nov. 2012. The conference, which was well attended by 400 delegates, had excellent scientific sessions by distinguished international and national faculty.

## ICACON-2012

To discuss the latest international innovations and developments in the fields of general anaesthesia, pain management and peri-operative pain management, Department of Anaesthesia and Critical Care organised 4th National Conference of Indian College of Anaesthesiologists (ICACON-2012) from 23rd to 25th November, 2012.



The Department of Psychiatry started as a sub-speciality way back in 1970 with Dr RL Narang as head. It functioned out of a one room OPD in the old DMCH campus and there was no indoor section. Patients were admitted in the Medical ward. Six months later, a common house surgeon was appointed for Psychiatry and Dermatology. In 1972, the indoor facility was formally started by allotting 3 beds in the Medical ward for Psychiatric patients. The number of beds was increased to 10 in 1976 when a separate Psychiatry ward was introduced. The bed strength increased to 20 in 1978 and subsequently to 30 in 1984. Dr Narang served the institute till 2000.

Dr Ranjive Mahajan joined the department in 1991 and has further contributed to elevate the status of the department to a centre of Academic and Clinical

Excellence. The other faculty members Dr Navkiran S Mahajan, who joined in 2002 and Dr Rupesh Chaudhry, in 2007, are both alumni of the department. The services of a Clinical Psychologist (Dr BP Mishra) and a Psychiatric Social Worker (Sukhmani Grewal) are also available full time.

### Teaching Programme

The UG teaching programme is conducted in accordance with prescribed MCI guidelines. The department runs a robust PG teaching program. The MD course was initiated in 1985 with intake of one student which was increased to two in 1987. Since all infrastructure and faculty requirements were adequately met, MCI approved further increase in intake of PG students to 3 in 2011. The department continues to participate in

multiple international research projects. Our PG students have won awards at several PG development programmes.

### Clinical Psychiatry Section

The department has evolved to its present day state-of-the-art indoor facility where comprehensive treatment with Psychopharmacological agents as well as an array of psychosocial treatment modalities are easily accessible. Modified ECT is being administered for the past 15 years. Well equipped and spacious OPD block ensures comfortable and comprehensive psychiatric work-up involving a team comprising Psychiatrist, Psychologist, and Psychiatric Social Worker.



### Faculty

- ▶ **Dr Ranjive Mahajan**, Prof. & Head  
**Special Training in Child Psychiatry** from NIMHANS, Bangalore  
 6 papers presented at International conferences.  
 Research Investigator in various International Multi-centre research projects.
- ▶ **Dr Navkiran S Mahajan**, Associate Professor  
**Special Training in Assessment of Cognitive Impairment in Psychiatric Disorders.**  
 6 papers presented at International conferences.  
 Research Investigator and certified rater in various International Multi-centre research projects.
- ▶ **Dr Rupesh Chaudhary**, Associate Professor  
**Special interests are adolescence and childhood Psychiatry** alongwith de-addiction.  
 Presented many research papers at National & International level and delivered many guest lectures on de-addiction and childhood disorders.  
 Executive member of Indian Psychiatric Society North Zone.

# Psychiatry



## Sub-Specialities

### ▶ General Adult Psychiatry

Schizophrenia and other Psychotic Disorders, Delirium & Organic Mental Disorders, Depressive Disorders, Bipolar Mood Disorders, Phobias, Obsessive Compulsive Disorders, Personality Disorders, Psychosomatic Disorders.

### ▶ Child and Adolescent Psychiatry

Mental Retardation, Learning Disorders, ADHD, Autistic Spectrum Disorders.

### ▶ Geriatric Psychiatry

Dementias, Behavioral Disorders of old age, Depression in old age, Issues related to elder abuse.

### ▶ Alcohol and Drug De-addiction

Motivation Enhancement Therapy, Alcohol Detoxification, Relapse Prevention, De-addiction of opium & its derivatives, Smack, Heroin, Cocaine, Cannabis, Organic Solvents, Recreation/Party Drugs, smoking and Tobacco. De-addiction of prescription Drugs e.g. Alprazolam, Nitrazepam, Diazepam, Fortwin.

### ▶ Sexual Disorders

Pharmacological Treatment, Couple Sex Therapy, Gender Identity Disorders.

### ▶ Psychotherapy

CBT, Grief Therapy, Marital Therapy, Family Therapy, Behaviour Therapy, Crisis Intervention.

## Special Clinics

Various special clinics being run by the department are-

- ▶ Sexual Disorders Clinic
- ▶ Alcohol & Drug De-addiction Clinic
- ▶ Geriatric Psychiatry Clinic

## Clinical Psychology Section

The department has a fully equipped Clinical Psychology Section run under the stewardship of Dr BP Mishra (Ph.D.)

Psychometry and Psychological treatments. All PG Students receive training in clinical Psychology as part of MD requirements. A wide range of Psychological tests and Psychometric techniques are available.

## Future Plans

Alcohol and Drug De-addiction unit with multi modality treatment options.



### ▶ **Dr BP Mishra**, Professor (Clinical Psychology)

Training in clinical Psychology from Central Institute of Psychiatry, Ranchi.

Specialization in Neuro psychology and Cognitive Behaviour Theory.



#### (L to R) Sitting

Mrs. Sukhmani Grewal (Social Worker), Dr Navkiran Mahajan (Associate Prof.), Dr Ranjive Mahajan (Prof. & Head), Dr BP Mishra (Professor), Dr Rupesh Chaudhary (Asst. Prof.)

#### (L to R) Standing

Dr Shazia Anzum, Dr Rahul Singh, Dr Tanu Kundal, Dr Varun Gupta, Dr Jaspreet Kaur, Dr Pankaj (Attending Consultant), Dr Akhil Chopra, Dr Davinder Pal Singh, Dr Amarpreet Singh

POSITIONS

- ▲ Dr Rajoo Singh Chhina (Gastroenterology): Member, CME Programme Committee of National Academy of Medical Sciences.
- ▲ Dr Sanjeev Uppal (Plastic Surgery) : President, North Zone Association of Plastic Surgeons of India.
- ▲ Dr Praveen C Sobti (Pediatrics): Member, North Zone Executive Board of PHO Chapter of IAP.
- ▲ Dr Rajinder K Mittal (Plastic Surgery): Treasurer, North Zone Association of Plastic Surgeons of India.
- ▲ Dr Sonia Singh & Dr Seema Gupta (Anatomy): Executive members of NSCASI.
- ▲ Dr Sarit Sharma (Community Medicine) : Secretary, State force RNTCP, Punjab (2012-13).

MEDICAL

*Then*



2002

OVERSEAS PRESENTATIONS/VISITS

- ▲ Dr Daljit Singh (Pediatrics) : 5th Pneumo Surveillance Workshop at Warsaw, Poland; presented action plan for India.
- ▲ Dr Rajoo Singh Chhina (Gastroenterology) : Digestive Disease Week at San Diego, CA and delivered lecture at Northwick Park Hospital, UK.
- ▲ Dr Sandeep Puri (Medicine) : presented paper at IMSACON 2012, Ajman.
- ▲ Dr Deepinder Chhina (Microbiology) : Molecular Diagnostic Europe Conference, London, UK, St. Mark's Hospital, London and North West London Hospital, NHS Trust.
- ▲ Dr Suman Puri (Obstetrics & Gynae) : 16th World Congress on Controversies in Obstetrics, Gynaecology and Infertility, Singapore.
- ▲ Dr Deepak Bhat (Pediatrics) : 4th Congress of European Academy of Pediatric Society, Istanbul, Turkey.
- ▲ Dr Gurdeep Singh Dhooria (Pediatrics) : 11th International Congress on Pediatric Pulmonology, Bangkok, Thailand and 4th Congress of European Academy of Pediatric Society, Istanbul, Turkey.
- ▲ Dr Anil Kashyap (Pulmonary Medicine) : Annual Conference of American Thoracic Society at San Francisco, USA.
- ▲ Dr Pankaj Mohindra (Orthopaedics) : 25th Annual Congress of International Society for Technology in Arthroplasty, Sydney, Australia.

*Adieu to.....*



Dr Lily Walia, Professor & Head, Physiology,

# FACULTY

*Honours* July to December 2012

## WARD

*Now*



2012

### HONOURS / ACHIEVEMENTS

- ▲ Dr Sandeep Puri (Medicine) : Member, National Academy of Medical Sciences.
- ▲ Dr Jasbir Kaur (Nursing) : Nominated as Dean, Faculty of Nursing Sciences, BFUHS (2012-13).
- ▲ Dr RK Soni (Community Medicine) : Member, National Academy of Medical Sciences.
- ▲ Dr Baldev Singh Aulakh (Urology & Transplant) : authored a book "Prostate Problems-Know before it is too late".
- ▲ Dr Varinder Pal Singh (Forensic medicine) : Certified course in Health Care Quality Management, AHERF, Hyderabad.

DMCH has been nominated as Regional Centre for Pneumococcus Surveillance. **Dr Daljit Singh & Dr Deepinder China** were appointed as co-ordinators.

### AWARDS/Prizes

- ▲ Dr Sunil Juneja (Obstetrics & Gynae) : received 28th Dr. S. Radhakrishnan Memorial National Teacher's award.
- ▲ Dr Gurdeep Singh Dhooria (Pediatrics) : 1st prize for best poster presentation, IAP, ICU chapter, Mangalore.



Dr RJ Singh: Professor & Head, Paediatric Surgery and



Dr Vineeta Malhotra, Professor and Head of Pathology....

*.....retired after distinguished service at DMCH.*

# Rural Health Training Centre, Pohir

## Rural Health Training Centre, Pohir

Department of Community Medicine operates a Rural Health Training Centre at village Pohir, Block Dehlon, which was established on August 3, 1988 under the headship of Dr (Col.) Ved Parkash with just 2 villages viz. Village Pohir & Lehra under its care. Over the years, the centre has maintained the pace of progress along with the institution and has adopted 15 villages catering to a population of 31,869. The centre is celebrating its silver jubilee year in 2013. The department provides a comprehensive home based family health services to 6149 families through a efficient team of 24 supervisors / health workers / village health guides.

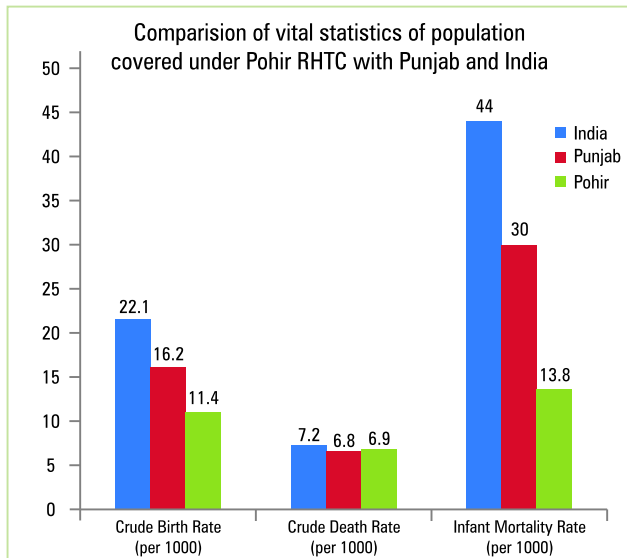
The centre has a unique system of maintaining complete health records of the entire population in the form of family folders offering a wealth of health data of the entire cohort since 1988. The dedicated team comprises of Incharge (Dr Mahesh Satija), MOH (Dr Vikram Kumar Gupta) and 4 Medical Officers under the headship of Dr Anurag Chaudhary. There are over 40 staff members including supervisors and other utility staff.

## Facilities

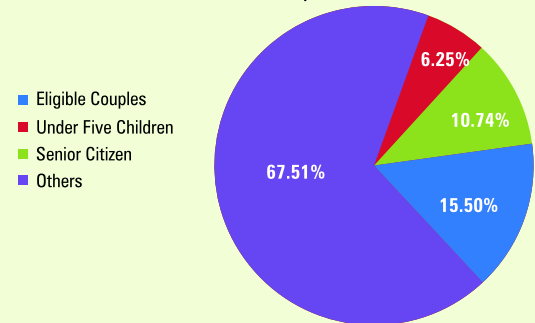
- ▲ Residential training of Medical & Nursing Interns.
- ▲ Teaching of MBBS/MD/BSc/MSc Nursing students.
- ▲ Provision of Preventive, Promotive and Curative Health Care including Maternity services.
- ▲ Family Based Health Care (Home Visits)
- ▲ Provision of Curative Services including Emergency Services, OPD & IPD.
- ▲ Lab Services including ECG and X-Ray facilities.
- ▲ Conduct of Population Based Research.
- ▲ Referral Services.
- ▲ Liaison / Collaboration with Govt./NGOs.
- ▲ Health Camps.

### Villages covered by RHTC, Pohir 1st January to 31st December 2012

Total Population	– 31863
No. of Families	– 6205
No. of Deliveries	– 362
No. of OPD Patients	– 22704



### Population composition under RHTC Pohir Vulnerable Population







## Pain Management Services

Pain is a major health issue throughout the world. Both acute and chronic pain is poorly managed for a wide variety of cultural, attitudinal, educational, and logistical reasons. Unrelieved pain has major negative effects on the lives of millions of people in our country and is associated with high costs involved in its treatment. Persistent pain and many physical and psychosocial changes and complications associated with it constitute a major health problem. Chronic Pain is now considered as a disease in its own rights.

In India, chronic pain affects approximately 30% of adult population, particularly women and elderly. In fact, 80% of the patients visiting any hospital or doctor have pain as their major complaint. About 20 – 25% of this population suffers pain from musculoskeletal and joint disorders. Back Pain accounts for another 25-30%. Headache and migraine accounts for about 5% of cases of persistent pain. In only 1-2% of adults with chronic pain does the pain result from cancer. Trigeminal neuralgia, postherpetic neuralgia and other neuropathic pain syndromes constitutes another 5-7% of patients suffering from Chronic Pain.

At Dayanand Medical College and Hospital the Department of Anesthesia has evolved a pain management program providing care to acute and chronic pain patients. PAIN CLINIC has been started in the OPD and consultation is available for acute as well as chronic pain. We offer:

### Acute Pain Treatment Service

A consultative service to help manage pain in the hospital.

- ▶ Patient-controlled analgesia (PCA) is administered to many of our patients for postoperative pain and also other acute pains.
- ▶ Epidural analgesia for labour pain and other acute pains.

### Chronic Pain Management

Through a dedicated pain clinic, we treat the patients who have a variety of chronic pains including : Cancer pain, Headaches, Reflex sympathetic dystrophy, Fibromyalgias, chronic back pain, cervical spondylitis, joint pains, migraines, neuralgias, facial pains and causalgias.

We aim to assist patients to reduce the impact of persistent pain by expert assessment, patient education and by a number of treatment modalities including both pharmacological and interventional techniques provided in a coordinated manner so that all the dimensions of the patient's condition are treated. The centre undertakes research on outcomes of pain treatments, psychosocial aspects of chronic pain, pain and ageing and novel therapies for pain.

### Some modalities employed at our centre are:

- ▶ Diagnostic & Therapeutic
- ▶ Pharmacological management.
- ▶ Trigger Pain Injections
- ▶ Intra-articular injections
- ▶ Nerve blocks
- ▶ Caudal approach for epidural lysis of adhesions
- ▶ Chronic Opioid Management in indicated cases
- ▶ Percutaneous disc Neucleoplasty
- ▶ Intraspinal Drug Delivery Systems
- ▶ Spinal Cord Stimulator Implantation

### Our treatment goals include :

- ▶ Diagnose and treat chronic pain syndromes
- ▶ Reduce pain and increase comfort
- ▶ Increase the ability to manage pain and related problems
- ▶ Increase physical capabilities and activities
- ▶ Support the return to productive activity
- ▶ Minimize the use of medications
- ▶ Improve the quality of life

### Mission

Our mission is to preserve, improve and comfort human life by offering state-of-the-art, cost conscious, evidence based multidisciplinary treatment and research designed to improve the lives of those living with pain. We are committed to providing the best possible quality of comprehensive medical and rehabilitative services to our patients. Quality patient care is our highest priority.

# Campus Blitz

## → Teachers' Day *September 5, 2012*

To express their gratitude and appreciation for their teachers, the students of DMCH celebrated Teachers' Day with great fervour and enthusiasm. The function was presided over by Secretary of DMCH Managing Society, Sh Prem Kumar Gupta as the chief guest along with Senior Member Sh Balraj Kumar. A cultural programme was presented followed by other performances including debate, solo song, group dance, comedy presentation and *bhangra* by students of various MBBS batches and PG students as well.



## → Freshers' Party *September 15, 2012*

The freshers of MBBS Batch 2012 were accorded a warm welcome in an interactive session with 2nd year students held to help develop a better understanding and make them comfortable in the new surroundings. The freshers introduced themselves to the faculty and seniors. The old and new students presented various dance, music and drama items and thoroughly enjoyed themselves.



## → IAP Quiz (UG & PG)

Department of Pediatrics at DMCH organised a series of quiz programmes including College Round of 25th Indian Academy of Pediatrics (IAP) "Pediatric Quiz" for the Undergraduates and the Divisional round of 6th IAP Quiz for Postgraduates.



## → Communal Harmony Week

Communal Harmony Campaign & Fund Raising Week under the auspices of National Foundation for Communal Harmony (NFCH) was celebrated. Activities held during celebration by medical and nursing students included Poster Contest, Slogan Contest, Declamation Contest, Choreography, Group Song & Group Dance Competition and Collage Making.



# Alumni Meet

Over 300 ex-students of various MBBS batches from the year 1964 to 2006 gathered with their families to get reconnected with their batch mates and faculty members at an Annual Alumni Meet organised by DMC Alumni Committee. In his message, Chairman of DMC Alumni Committee Dr Ashwani Chaudhary said that such meets provide a platform for all alumni to know the progress DMCH has made. On the completion of their silver jubilee, the old students of the MBBS (admission) batch of 1987 were felicitated.



## Outgoing MBBS Batch 2008



### Sitting (L to R)

1st Row : Dr Poonam Singh (Anatomy), Dr Promila Jindal (Obstetrics & Gynae), Medical Supdt. Dr Ashwani Chaudhary (Neurosurgery), Dean Academics Dr Rajoo Singh Chhina (Gastroenterology), Principal Dr Daljit Singh (Pediatrics), Medical Supdt. Dr Sandeep Puri (Medicine), Dr Jaspal Singh (Surgery), Dr Alka Dogra (Dermatology), Dr Navjot Kaur Bajwa (Biochemistry), Dr HS Bains (Pediatrics)

2nd Row : Dr Namita Buddhiraja (Dentistry), Dr Anurag Chaudhary (Community Medicine), Dr Vidushi Gupta (Physiology), Dr Kavita Sagar (Radiology), Dr Deepinder Chhina (Microbiology), Dr GS Bajwa (Ophthalmology), Dr Amarjit Kaur (Transfusion Medicine)

### Standing (L to R)

1st Row : Drs Vinisha Bansal, Tanureet Kochar, Tishya Singh, Aanchal Gupta, Sukhdeep Kaur, Steffi Khurana, Nayan Kaul, Mitthat Miglani, Sukhjinder Kaur, Ramandeep Kaur, Jyoti Vidhaan, Bhavleen, Heena Arora, Ridhi Sood, Shivani Chopra, Shefali Mahajan

2nd Row : Drs Puneet Dhillon, Kuldeep Kaur, Ambry Garg, Dalisha, Jaskaran Kaur, Harman Kaur Singh, Madhurima Arora, Yasmin Singh, Gurpreet Kaur, Gurveen Kaur Chahal, Aakriti Jindal, Garima Mali, Bhavneet Kaur Ahuja, Nimita Bajaj, Sonali Malik

3rd Row : Drs Abhay Mittal, Gaurav Dhanda, Paras Jain, Aravdeep Singh, Tarundeep Singh, Divyot Singh Sadana, Satvinder Pal Singh, Tejinder Pal Singh Grewal, Amit Kumar Lall

4th Row : Drs Saravgunjit Singh, Sandeep Verma, Sudanshu Mahajan, Mohit Gupta, Jaskaran Singh, Nippun Bansal, Harsimran Singh, Gurbrinder Singh, Amanjung Singh, Taranjit Singh Gill, Randeep Rana, Arshdeep Singh Sekhon, Ishpreet Singh

For memories sake....

# 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>	Laparoscopic 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 (Vitros 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) Esophageal PH	Neurosurgery	
Gastroenterology	Metry Fibroscan Malabsorption Tests	Pediatric Surgery	Specialised Surgery of Neonates
	Haemodialysis/CAPD, Continuous Venovenous Dialysis (CVVH & CVVHD)	Plastic Surgery	Cosmetic, Hand & Reconstructive Surgery, Peripheral Vascular Injury, Facio Maxillary Trauma, Laser Therapy and Burns ICU
<b>Nephrology</b>	Stroke ICU, NCV/EMG, Digital EEG, EEG Telemetry, Tilt Test, Neuropsychology, Neuro-Rehabilitation	Urology	Endourology, PCNL, Oncology, Renal Transplant, ESWL
<b>Neurology</b>	Day Care Services	GI Surgery	Specialised Surgery of Hepato-Biliary, Pancreatic & Digestive Tract
<b>Oncology</b>	Pulmonary Critical Care Unit, Pulmonary Lab (PFT)	Surgical Oncology	Specialised Cancer Surgery
<b>Pulmonary Medicine</b>	Bronchoscopy Sleep Lab, NIV Unit, DOTS-Tuberculosis Centre		

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### 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



**Editorial Team**

**Sitting (L-R) :**

Dr Suneet Kathuria (Co-ordinator), Dr Praveen C Sobti, Dr Daljit Singh (Editor-in-Chief), Dr Rajoo Singh Chhina (Associate Editor), Dr Atul Mishra

**Standing (L-R) :**

Dr Kanchan Gupta (Secretary), Dr Anu Sharma, Dr Sonia Singh, Dr M Rupinder Singh, Dr Bharti Mahajan, Dr Shikha Gupta, Mr Aayush Chaku (Public Relations Officer)

### 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** : B.Sc., M.Sc in Medical Surgical Nursing, Psychiatric Nursing, Pediatric Nursing, Obstetrics & Gynae Nursing, Community Health Nursing, Diploma in Critical Care Nursing and Cardiothoracic Nursing

**Paramedical** : B.Sc. in MLT, Cardiac Technology, Radiology Technology & OT Technology

### Nuclear Medicine Imaging

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



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

**ISO 9001:2000 CERTIFIED LAB**

**HELP LINES**

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