

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

DMCH SCAN

TOWARDS EXCELLENCE IN MEDICARE & EDUCATION

July-December 2012



8 *Departmental Profile*
Physiology

8 *Special Services*
Dietetics

8 *Focus*
Bariatric Surgery



Dayanand Medical College & Hospital
Ludhiana, Punjab (India)

Dayanand Medical College & Hospital, Ludhiana



Services

July 2011 to June 2012

OPD Attendance	576497	CT Scan	14922	Pathology Tests	482477
Admission	90161	MRI	7708	Biochemistry Tests	996321
Operations	36553	Ultrasound	40205	Microbiology Tests	159540
Emergencies	60921	X-Ray	138362	Blood Bank Tests	72789



PRINCIPAL'S MESSAGE

Known for its academic excellence and state-of-the-art infrastructure and facilities, Dayanand Medical College & Hospital has carved a niche for itself in the field of medical education and quality patient care, more so in the last decade. It has achieved its present status due to the vision of the management, meticulous execution by the administration, experienced and dedicated faculty, diligent staff, superb infrastructure and the state-of-art technology.

An indicator of institution's growth could be reflected by the number of on-going renovation projects that are currently underway in different areas of the hospital. In the recent months, the Departments of Neurosurgery Ward, Obstetrics & Gynae Ward, Eye and ENT OT Area were shifted to the newly constructed areas. Almost the entire hospital campus now bears a bright, sparkling clean look.

On an academic front, since the last issue of 'SCAN', DMCH has introduced new B.Sc. courses in Medical Laboratory Technology (20 seats), Cardiac Technology (20 seats), Radiology Technology (20 seats) and OT Technology (6 seats).

Dr Daljit Singh
Principal

EVENTS JANUARY-JUNE 2012

Workshop on Medical Education Technology

To enhance the capacity building of teachers, a three-day workshop on medical education technology was organized from 16th to 18th January, 2012. The scientific sessions on various aspects of educational objectives, teaching learning strategies and assessment relevant to medical education were attended by 35 faculty members.



Operation Walk

DMCH in collaboration with Rubin Institute, Maryland, USA organized the 2nd "Operation Walk" from 21st to 26th January, 2012. Free hip and knee replacements were carried for over fifty poor patients by a team of 45 specialists from USA. The patients were selected from all over the state after extensive recruitment camps.



State Task Force Meeting of RNTCP

To review the performance of the medical colleges of the state of Punjab in managing tuberculosis, State Task Force (STF) Meeting of Revised National Tuberculosis Control Programme (RNTCP) was held on 26th February, 2012. The programme included a series of guest lectures on "HIV-TB".



Workshop of Medico Legal Report Writing

Department of Forensic Medicine organized a workshop on "Medico Legal Report (MLR) Writing" on 17th March, 2012. The workshop provided in-depth knowledge about medical and legal aspects of reporting. The delegates were also imparted hands on training in completing medicolegal documents.



NACO Workshop

A sensitization workshop on HIV/AIDS was organized by Department of Microbiology on 20th March, 2012. The speakers educated the nursing and other para-medical staff about various myths, facts and treatment issues related with HIV/AIDS and needle stick injuries.



CME on Clinical Research Methodology

A workshop on 'Clinical Research Methodology' was organized by the Department of Pharmacology in collaboration with WHO and ICMR, New Delhi on 4th April, 2012. Eminent speakers from different medical colleges deliberated on the various aspects of research.

International Thalassemia Day

Commemorating 21st International Thalassemia Day and World Red Cross Day, Departments of Transfusion Medicine and Pediatrics jointly organized "13th Annual Medicos Voluntary Blood Donation Camp" on 8th May, 2012, in which 200 units of blood were collected.



First Prof S B Khurana Memorial Oration

To commemorate the first death anniversary of former Principal and Professor & Head of Medicine-Dr SB Khurana, first Memorial Oration was held. Dr Ashok Seth, President, Cardiological Society of India and Chairman, Fortis Escorts Heart Institute, Delhi delivered the oration on 'Coronary Revascularization: Refining Tools to Recruiting Robots'.



Physiology, the backbone of medicine, deals with functions, process and inter-relationships of the different organs and systems of the normal human being, a necessary introduction to their disturbances in the disease. The students learn with normal standards of reference for use while diagnosing and treating deviations from normal.

The Torch Bearers

The department was established in the year 1964. During its infancy, the department worked in collaboration with Biochemistry under the headship of Dr AP Sharma. He continued to steer the department for 25 long years. It was under his stewardship that MD Physiology was started with Dr Lily Walia as the first PG candidate.

The reins were then taken over in 1989 by Dr (Mrs.) GK Ahuja, a teacher par excellence. Under her leadership, MD course got recognized in 2005.

Present Status

Currently the department is under the dynamic leadership of Dr Lily Walia who took over as head in 2005. The department has grown over the years having 7 faculty members at present, actively involved in the teaching of MD, MBBS and B.Sc. Nursing students. The entire faculty has received formal training in medical education. The teaching of the department is well appreciated in the annual student feedback.

Areas of Learning

- ◆ Haematology
- ◆ Experimental Physiology
- ◆ Human Physiology
- ◆ Mammalian Physiology
- ◆ Clinical Physiology
- ◆ Sports Physiology

Assets

- ◆ **Research Lab** : Fully equipped with latest technology meant for studying various clinical aspects.
 - Neuroperfect updated with software for conducting nerve conduction studies, EMG, EEG,



- ◆ spirometric studies and evoked potentials.
 - Glare recovery apparatus.
 - Galvanic skin resistance apparatus for autonomic function testing.
 - Steadiness tester and flicker fusion apparatus.
- ◆ Lab equipped with multimedia projector.
- ◆ Well equipped haematology cum human, experimental and mammalian labs.
- ◆ A good number of physiographs used for training the UG & PG students covering the various clinical aspects like recording of arterial pulse, EEG, ECG and EMG.
- ◆ Adequate microscopes for performing various haematology exercises.
- ◆ Students spirometers, autspirometer and Benedict's Roth apparatus for pulmonary function tests & BMR.
- ◆ Apparatus for assessing ART, VRT and testing of cranial nerves with special emphasis on auditory and visual functions.
- ◆ Mammalian lab to perform PG practicals on isolated tissue preparations.
- ◆ Models for understanding various organ functions.
- ◆ Library well stocked with books and journals for easy reference.

PG Programme

The Postgraduate training is fostered through a challenging self-learning programme in Physiology. It includes :

- ◆ Regularly indepth Journal club sessions, intra and inter departmental



(L to R) Standing

- 1st Row - Dr Vidushi Gupta (Prof.), Dr Manjeet Kaur Narula (Prof.),
Dr Lily Walia (Prof & Head), Dr Hemlata (Assoc. Prof.),
Dr Garima Sharma (Assoc. Prof.)
- 2nd Row - Dr Joginder Kaur Sidhu (Assoc. Prof.), Dr Randeep,
Dr Jaswinder, Ms. Sonika Pathania (Asth. Prof.)

Physiology



seminars, discussions & monthly evaluations.

- ◆ Training in haematology as well as experimental, mammalian, respiratory, cardiovascular and neuro physiology.
- ◆ Developing skills in teaching by carrying out supervised undergraduate practical demonstrations.
- ◆ Writing plans and conducting research projects.

UG Programme

The department of Physiology has a long tradition of excellence in teaching at the UG level by incorporating meticulously planned programme which includes :

- ◆ Painsstaking efforts in preparing lectures with innovative teaching methods.
- ◆ Well planned weekly tutorials, discussions and problem oriented learning.
- ◆ Small group practical demonstrations helping UGs to acquire practical skills.
- ◆ Computer assisted learning.

Activities

- ◆ Research : Several research projects are conducted by faculty members.
- ◆ Conferences : Symposia, workshops and CMEs have been regularly conducted. The department organizes Association of Physiologists and Pharmacologists of India (APPI) Symposia periodically.

Achievements and Special Trainings

- ▶ **Dr Lily Walia**, Prof. & Head, MD
Membership : President APPI, Ludhiana Branch.
Organisation : Organised symposia, CMEs and north zone conference.
Publications : 20 (2 International).

Chaired various sessions in CMEs and national conferences.

- ▶ **Dr Manjeet K. Narula**, Professor, Ph.D., Diploma in Biochemistry, Acupressure & Magnetotherapy; UNICEF aided teacher's training programme.

Publications : 4 National.

- ▶ **Dr Vidushi Gupta**, Professor, MD.
Membership : Executive member of APPI, Ludhiana branch.

Publications : 5 (2 International)

- ▶ **Dr Hem Lata**, Associate Professor, MD, DNB, MNAMS

Memberships : Member, National Advisory Board, Journal "The Clinical Researcher", Central Executive Rep. APPI, Ludhiana.

Teaching : Outstanding teacher ranking in student feedback.

Research & Publications : Guided one research project, 12 Publications (4 International).

Medical Education : Training in "National teachers training course" PGI. Fellowship programme at CMCL-FAIMER regional institute.

Regular faculty for MCI and basic course in medical education.

- ▶ **Dr Joginder Sidhu**, Associate Professor, MD.

Membership : Executive member of APPI, Ludhiana branch.

Publications : 2 (1 International)

Reviewer for Scandinavian journal of Urology and Nephrology.

Guided two ICMR STS projects.

- ▶ **Dr Garima Sharma**, Associate Professor, MD.

Teaching : Outstanding teacher ranking in student feedback.

- ▶ **Ms. Sonika Pathania**, Assistant Professor, M.Sc. (Honors), Biophysics, PGDBA.



POSITIONS

- ▲ **Dr Rajoo Singh Chhina** (Gastroenterology) – Secretary, Nutritional Society of India and Member, National Academy of Medical Sciences.
- ▲ **Dr GS Bajwa** (Ophthalmology) – Co-chairman of Ethics Committee of All India Ophthalmological Society.
- ▲ **Dr Anurag Chaudhary** (Community Medicine) – President, Punjab Chapter of Indian Association of Preventive & Social Medicine.
- ▲ **Dr Sarit Sharma** (Community Medicine) – Executive Member of IAPSM and Vice President of IAPSM Punjab chapter.
- ▲ **Dr Mahesh Satija** (Community Medicine) – Executive Member IAPSM Punjab Chapter.

OVERSEAS PRESENTATIONS/VISITS

- ▲ **Dr Daljit Singh** (Pediatrics) – 5th Pneumo Surveillance Workshop at Warsaw, Poland, and presentation on Action Plan for India.
- ▲ **Dr Rajoo Singh Chhina** (Gastroenterology) – Northwick Park Hospital, UK and Digestive Disease Week at San Diego, USA.
- ▲ **Dr Harmesh Singh Bains** (Pediatrics) – International conference at San Diego, USA.
- ▲ **Dr Deepinder Chhina** (Microbiology) – North West London Hospital and St. Mark's Hospital, UK.
- ▲ **Dr Harpal Selhi** (Orthopaedics) – Annual meeting of American Academy of Orthopedic Surgeons, San Francisco, USA.
- ▲ **Dr Deepak Bhat** (Pediatrics) – 7th World Congress of the World Society of Pediatrics Infectious Diseases, Melbourne, Australia.
- ▲ **Dr Sarit Sharma** (Community Medicine) – World Conference on Tobacco or Health 2012, Singapore.
- ▲ **Dr Ashish Ahuja** (Surgery) – International Conference SAGES, San Diego, USA.
- ▲ **Dr Rupesh Chaudhary** (Psychiatry) – Annual Course of Schizophrenia at Madrid.
- ▲ **Dr Gurdeep S Dhooria** (Pediatrics) – 11th International Congress on Pediatrics Pulmonology, Bangkok.

DIALYSIS

Then

1990



Recent and ongoing renovation
a polished and

Adieu to.....

Dr Jagdeep Whig

Vice Principal



Dr Jagdeep Whig, Vice-Principal and Professor & Head, Department
and Professor of Pathology retired after a long ass

WARD

Now

2012



has given the hospital wards a modern look.

Dr Balbir Singh Shah
Medical Superintendent



of Pulmonary Medicine and **Dr Balbir Singh Shah**, Medical Supdt. for his association and meritorious service to the institution.

AWARDS

- ▲ **Dr Bishav Mohan** (Cardiology) – Best Poster and Abstract Award at 63rd Cardiological Society of India Conference.
- ▲ **Dr Sandeep Kaushal** (Pharmacology) – 2nd Takodoro prize at 9th Asian & Oceanian Epilepsy Congress, Manila.

HONOURS / ACHIEVEMENTS

- ▲ **Department of Pediatrics**, DMCH was granted Certificate of Accreditation of Level III Pediatric Critical Care Unit & Fellowship training Centre by Pediatric Critical Care Council.
- ▲ **Dr HS Bains** (Pediatrics) – Fellowship of National Neonatology Forum.
- ▲ **Dr Hemant Chopra** (ENT) – Fellowship of International College of Surgeons in ENT Surgery at Srinagar.
- ▲ **Dr Sanjeev Uppal** (Plastic Surgery) – Faculty for Dutch Burn Foundation course of Australian & New Zealand Burn Association.
- ▲ **Dr Sunil Katyal** (Anaesthesia) – Invited as expert by Jammu State Public Service Commission.
- ▲ **Dr Sunil K Juneja and Dr Shweta Gupta** (Obstetrics & Gynae) – Fellow of Indian College of Obstetricians & Gynaecologists.
- ▲ **Dr Sarit Sharma** (Community Medicine) – Secretary, State Force RNTCP, Punjab.
- ▲ **Dr Shruti Sharma and Dr Gunchan Paul** (Intensivists) – Indian Diploma in Critical Care Medicine (IDCCM).
- ▲ **Dr Jasbir Kaur** (Nursing) – Nominated as Dean, faculty of Nursing Sciences, BFUHS.
- ▲ **Dr Suresh K Sharma** (Nursing) – Nominated as member of board of nursing studies, BFUHS.

Dietetics

Established in the year 2000, the Department of Dietetics has gradually grown over the years. It ventured into in-house patient catering in 2008.

With an approximate covered area of 4200 sq feet, the Department is well-equipped and well-connected to the inpatient areas. The team comprises of 8 dedicated dietitians under the headship of Chief Dietician Ms. Ritu Sudhakar. There are 120 staff members for food service including dietitians, supervisors, cooking staff, trolley bearers and other utility staff.

Main Activities

- ▲ Inpatient food services
 - › Menu Planning for inpatients
 - › Regular feedback from all the patients
 - › Monitoring
 - quality of the raw and perishable food items
 - hygiene of the workers
 - cleanliness of the dietary area
 - › Regular training of the kitchen staff
- ▲ Regular out-patient clinic
- ▲ Inpatient diet counseling

Other Activities

- ▲ Supervision of hospital cafes and hostel kitchens.
- ▲ Teaching Nutrition to students of B.Sc. Nursing.
- ▲ Participating in health camps to create nutritional awareness among different sections of the society.

Academic Affiliation

The department is recognized by the Indian Dietetic Association for imparting 3 months / 6 weeks internship to students in PG degree and diploma courses in Dietetics, offered by various universities. Recently, the department has received recognition to impart 6 months special training. There is a regular inflow of students from all over the region.

Hospital areas provided with dietary services at present

ICU Block, Burn ICU, Private Rooms, High Dependency Units, Labour Room, Obstetrics & Gynae Ward, Medicine, Endocrinology, Nephrology, Psychiatry, Urology, Skin, Plastic Surgery, Orthopaedics, Neurosurgery, Gastroenterology, Neurology, Oncology, Chest.

Future Expansion

A state-of-art 6000sq feet new kitchen housed on two floors, is under construction. The food service would be extended to the remaining in-patient areas.



Special Diets

Diabetic Diet for type 1 / type 2 for gestational diabetes

Hepatic Diet for chronic liver disease / ALD

Renal Diet for kidney diseases

Neutropenic Diet for weakened immune system/cancer

High Protein & High Calorie Diet in fevers, post surgery and other conditions.

Low Fat Diet for cardio vascular diseases/ dyslipidemia.

Gluten Free Diet for Coeliac disease.

Low Carbohydrate Diet for COPD, dyslipidemia

Elemental Diet, a specialised tube feed indicated in certain patients post surgery/ pancreatitis/ malabsorption.

Semi-Elemental Diet for malabsorption / pancreatitis.

Diet Post Bariatric Surgery for patients who have undergone weight loss surgery.

Ketogenic Diet for children with intractable epilepsy.

Bariatric Surgery

Bariatric Surgery, also known as weight loss surgery refers to various surgical procedures performed to treat obesity by modification of the gastrointestinal tract to reduce the nutrient intake and absorption. The term does not include procedures for surgical removal of fat such as liposuction or abdominoplasty.

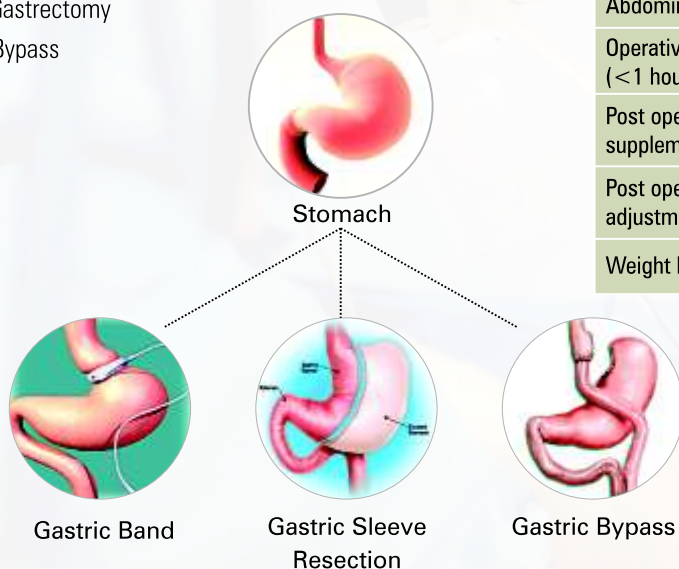
DMCH provides super-specialty weight loss treatment with advanced medical technology and expertise by Bariatric Surgery Specialists Dr PS Nain and Dr Ashish Ahuja.

Who needs Bariatric Surgery?

Bariatric surgery is a treatment option for a patient with a BMI of 40kg/m² or greater, who have instituted but failed an appropriate exercise and diet program (with or without adjunctive drug therapy) and who presents with obesity related comorbid conditions, such as hypertension, impaired glucose tolerance, diabetes mellitus, hyperlipidemia, obstructive sleep apnoea or polycystic ovarian disease.

Types of Bariatric Surgeries performed at DMCH

- Adjustable Gastric Band
- Sleeve Gastrectomy
- Gastric Bypass



Advantages of laparoscopic bariatric surgery

- Shorter hospital stays with early return to work
- No surgical scars
- No pain post-operatively
- No wound infections

Patient support systems

Tertiary Care Centre with round the clock Intensivists manning the ICUs. Multi-disciplinary team including Surgeon, Endocrinologist, Nutritionist, Medical Physician, Anaesthesia Team and Clinical Psychologist collectively manages the patients before and after Surgery.

	Swedish adjustable Gastric band	Gastric sleeve resection	Roux-en-y Gastric bypass
Laparoscopic	✓	✓	✓
Hospital Stay	X	✓	✓
Abdominal drain	X	✓	✓
Operative time (<1 hour)	✓	X	X
Post operative supplements	X	X	✓
Post operative adjustments	✓	X	X
Weight loss	✓	✓	✓✓

Results of Bariatric Surgery



*Photographs published with permission of the patients.

Campus Blitz

→ Annual Convocation 2012

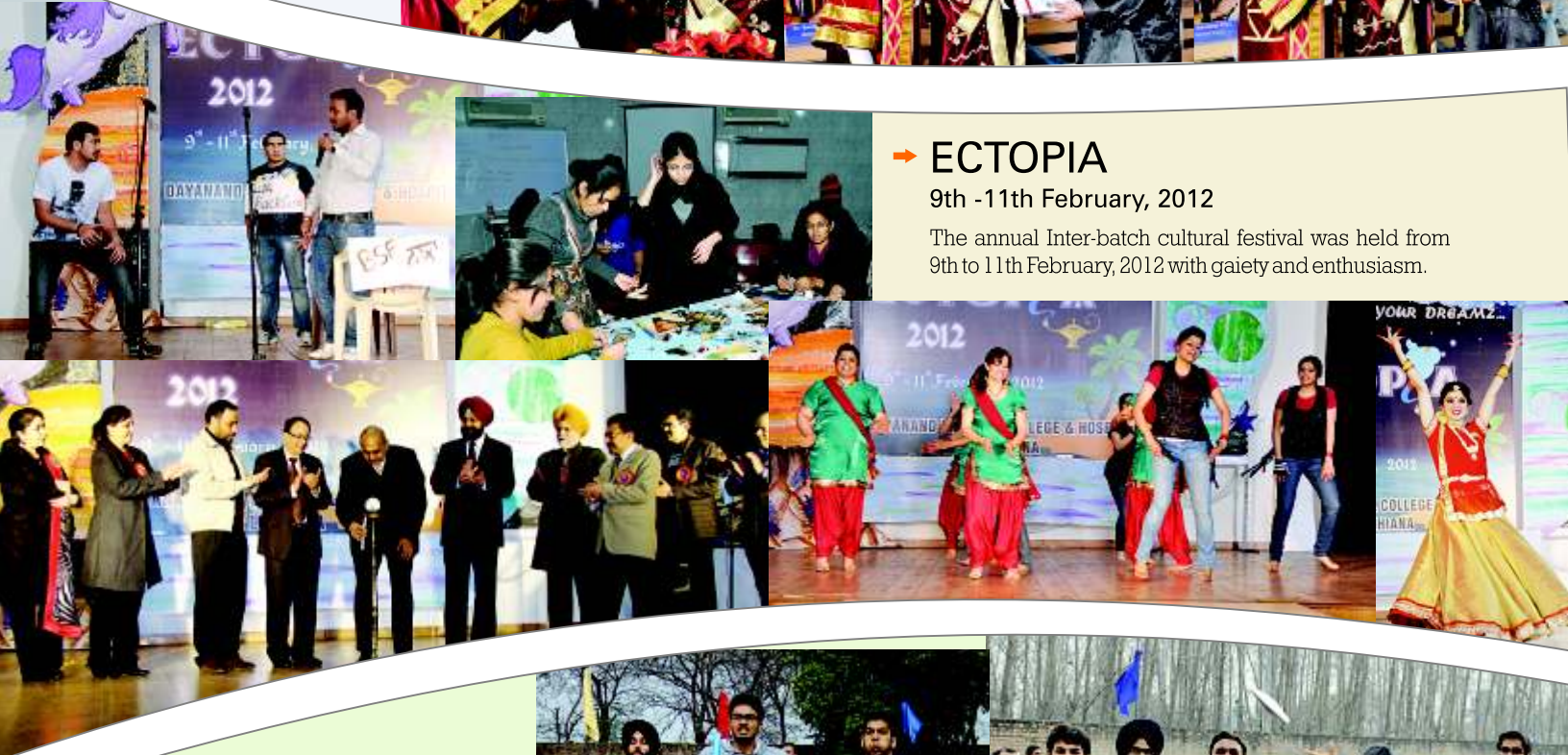
The Annual College Convocation was held on 10th March, 2012. **Dr K K Talwar**, Chairman, Board of Governors, Medical Council of India, was the Chief Guest. Medical graduates of MBBS Batch 2006 were awarded degrees. Prizes were given for academics excellence to students of various batches.



→ ECTOPIA

9th -11th February, 2012

The annual Inter-batch cultural festival was held from 9th to 11th February, 2012 with gaiety and enthusiasm.



→ SMASH Annual Athletic Meet 14th February, 2012

SMASH.....Annual Athletic Meet held on 14th February, 2012 for medical and nursing students evoked passion and fervour among the students and faculty.





3rd Alumni CME

DMCH Alumni CME was held on 7th April, 2012 in which 250 delegates participated. The CME was inaugurated by the chief guest **Sh Satish Sanwalka**, Treasurer, DMCH Managing Society.

The alumni guest speakers included **Dr Vanita Arora** from Max Hospital, Delhi, **Dr Gunjan Jain** from Jaipur and **Dr Shifali Khanna** from PGIMER, Chandigarh.

Outgoing MBBS Batch 2006



Sitting (L to R)

1st Row : Dr Harmesh Singh Bains (Pediatrics), Dr Poonam Singh (Anatomy), Dr Hemant Chopra (ENT), Dean Academics Dr Rajoo Singh Chhina (Gastroenterology), Vice-Principal Dr Jagdeep Whig (Pulmonary Medicine), Principal Dr Daljit Singh (Pediatrics), Medical Supdt. Dr BS Shah (Pathology), Medical Supdt. Dr Sandeep Puri (Medicine), Medical Supdt. Dr Ashwani Chaudhary (Neurosurgery), Dr Vineeta Malhotra (Pathology), Dr Alka Dogra (Dermatology)

2nd Row : Dr Gautam Biswas (Forensic Medicine), Dr Ranjive Mahajan (Psychiatry), Dr Sunil Katyal (Anaesthesia), Dr Mohd Yamin (Orthopaedics), Dr Kavita Saggur (Radiodiagnosis), Dr Navjot Kaur Bajwa (Biochemistry), Dr Anurag Chaudhary (Community Medicine), Dr Namita Buddhiraja (Dentistry), Dr Jaspal Singh (Surgery), Dr Deepinder Kaur Chhina (Microbiology), Dr Amarjit Kaur (Transfusion Medicine), Dr GS Bajwa (Ophthalmology)

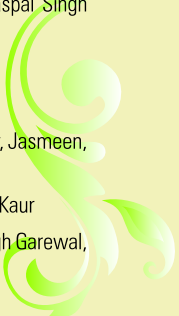
Standing (L to R)

1st Row : Drs Shivani Kumra, Kulmeet K. Mahal, Kazmi Raina, Atish Singla, Divya Gupta, Rupinderjeet Kaur, Sneha Chum, Ekta Gupta, Priya Singla, Rableen Kaur, Jasmeen, Amanjyoti, Kanwalpreet Kaur

2nd Row : Drs Balpreet Kaur, Anju Bhagatana, Vainy Aggarwal, Anna Gupta, Monisha, Suvidhi Kamra, Rimmi Mahajan, Amandeep, Deepika, Priya Bharti, Harleen Kaur

3rd Row : Drs Avreen Singh Shah, Nitish Bansal, Kshitij Dhuria, Rachit Magazine, Sunil Garg, Gaganpreet Singh, Bhandari Gurbir Singh, Abhay Gupta, Kirat Singh Grewal, Gurpreet Singh Sran, Gursimran Pal Singh, Preetkanwar Singh Sodhi

For memories sake.....



DAYANAND MEDICAL COLLEGE & HOSPITAL, LUDHIANA, PUNJAB

SPECIAL PATIENT CARE FACILITIES & SERVICES

SPECIALITIES

ANAESTHESIOLOGY	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	SURGERY	Laposcopic Surgery, Surgical ICU, World Class Modular OT's
DENTAL	Specialized Bridge Work, Implantation, Orthodontics	OBST & GYNAE	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
DERMATOLOGY	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	ORTHOAEDICS	Spine Surgery for fixation with Rods and Plates Arthroplasty for Hip, Knee, Shoulder & Elbow Replacement Comprehensive Diabetic Foot Management Congenital Deformity Correction
LAB SERVICES	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	PEDIATRICS	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
ENT	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	PHYSIOTHERAPY	Exercise programme for Ortho and Neurological patients, Special rehabilitational programmes for Stroke and Trauma Patients, Occupational Therapy Cerebral Palsy Clinic
EYE	Advanced Vitreoretinal Surgeries, Phaco, Glucoma & Squint Surgeries, Medical Retina & Lasers, Photo Dynamic Therapy, Computerised Perimetry, Corneal Grafting, Digital FFA	RADIO DIAGNOSIS	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
MEDICINE	Critical Care Unit & Medical ICU, Rheumatology Service, Emergency Medicine Services, HIV Clinic	IMMUNOHAEMATOLOGY & TRANSFUSION MEDICINE	Enhanced Chemiluminescence Immunoassay (Virtros Eci) and 4th Generation Elisa, Gel Technique, Single Donor Platelet & Plasma Apheresis, Therapeutic Plasma Exchange Cryoprecipitate and Washed RBCs
PSYCHIATRY	De-addiction, Child Psychiatry, Family & Marital Counseling	TRAUMA	State-of-art services for multiple injuries

SUPER SPECIALITIES

MEDICAL	Intensive Control of Diabetes & Hormonal Disorders	SURGICAL	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	Specialised Surgery of Neonates
Gastroenterology	Metry Fibroscan 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 (CVVH & CVVHD)	Plastic Surgery	Endourology, PCNL, Oncology, 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 : 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



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



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 Tagore Nagar, Civil Lines,
 Ludhiana 141001 (Pb.), India