

Departmental Profile
Liver Transplant Unit

Special Services

Endoscopic Ultrasound

Focus

Research & Development Centre

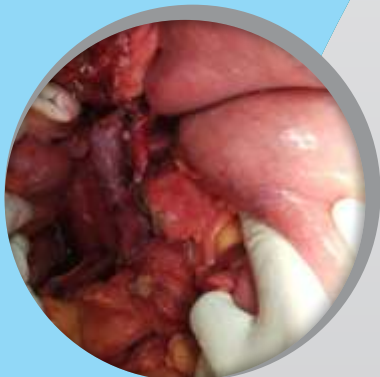
DMCH SCAN

TOWARDS EXCELLENCE IN MEDICARE & EDUCATION

JANUARY - DECEMBER 2016



- Quality Health Care
- Excellence in Medical Education
- Relevant Medical Research
- Latest Technology
- Personal Touch



Dayanand Medical College & Hospital

Units : Hero DMC Heart Institute

DMCH Cancer Care Centre

Ludhiana, Punjab (India)



Dr L S Chawla
Former Principal
(1986-1995)

The progress Dayanand Medical College and Hospital has made in the last 15 years has been very satisfying for me and others who worked here in the formative years. Dayanand Medical College and Hospital is today recognized as a tertiary care centre for patients of North India, is the preferred first choice medical college for MBBS, MD/MS students and is the institution conducting original research. The recent additions starting from the Hero DMC Heart Institute, DMCH Cancer Care Centre, the new medical college complex and the vast nursing college and hostel have all added to the strong infrastructure and service base of the institution. I wish, the management, faculty and the staff continue to serve the patients of this region and can foresee DMCH become one of the top five medical colleges of the country in the near future if you all continue to work with the sincerity that you are doing presently.



Sh Prem Kumar Gupta
Secretary
DMCH Managing Society

Dayanand Medical College & Hospital is ranked as one of the most preferred and highly recognized private medical colleges in the country, having a capacity of 1500 beds. We have 24 departments including 14 super-specialty departments and a strength of 186 faculty members.

A unique characteristic of the medical college is that it seeks to promote a distinctive and balanced way of life for medical students through academic excellence, outstanding performance in co-curricular, professional competence and commitment towards service of the patients.

We have focused on cost effective medical care and are providing medicines to the patients at most competitive prices. DMCH pharmacy, dietary facility for the patients, state of art improved laundry and high quality oxygen vessel are some strong infrastructural additions that we have made. The DMCH molecular genetics laboratory will hopefully provide service in new investigations and genetic counseling for patients of this region.

DMCH SCAN is a reflection of our activities in the preceding one year, this time. This issue encapsulates vibrant spirit of the institute. We are thankful to the medical fraternity of north India for reposing their faith in DMCH and giving us an opportunity to serve the patients.



1



2



3



4



5



6



7



8

1. **AOCMF course** - Department of plastic surgery organized two-day 'AOCMF Introductory Seminar' on **22nd & 23rd January, 2016**. The purpose of organizing this seminar was to train the delegates about the surgical techniques for craniomaxillofacial injuries.
2. **Workshop on MLR writing** - A workshop on "Medicolegal Report Writing" and a book titled, 'Legal issues in medical practice- medico legal guidelines for safe practice' authored by Dr VP Singh of forensic medicine department was released on **27th February, 2016** by Vice-President of DMCH managing society Sh Amrit Nagpal.
3. **The state task force meeting cum CME of revised national TB control programme** - The meeting cum CME of RNTCP was held on **8th April, 2016**. Detailed lectures were given by various speakers on topics pertaining to management of tuberculosis and updates in RNTCP.
4. **National undergraduate medical conference**-1st national undergraduate medical conference was held on **7th May, 2016** in the college premises to provide insight to undergraduate medical students about advancements in the field of medical research and clinical skills.
5. **National eye donation fortnight** - As part of 31st national eye donation fortnight, a felicitation function was organized on **8th September, 2016** by department of ophthalmology to facilitate the family members of those who have donated their eyes.
6. **CUTICON-2016** - 42nd annual conference of IADVL (Punjab, Chandigarh and Himachal Pradesh chapter) CUTICON 2016 was organized on **5th and 6th November, 2016** on the theme 'Challenges, Innovation & Advances, which focused on major breakthroughs and advances in the field of dermatology, ranging from clinical practice to research, technology and innovation.
7. **ISACON-2016** - The 64th Annual Conference of Indian Society of Anesthesiologists (ISACON-2016) was held from **25th-29th November, 2016**. The conference was attended by 3,000 anaesthesiologists from all over the country and abroad. The five-day long conference covered various aspects of anesthesiology, critical care and pain.
8. **Guest Lecture** - Dr Micheal Cummings from university of Portsmouth, UK delivered a talk on **16th June, 2016** on 'diabetic kidney disease'. The lecture was widely appreciated by faculty members present on the occasion



9



10



11

Health Days observed

– January - December, 2016 –



12



13



14



15

Some of the important world public health days observed by DMCH in the year 2016 to highlight awareness about specific health issues are :

- 9. International Childhood Cancer Day (15th February, 2016)** A CME was organized in pediatrics OPD of the hospital to observe International Childhood Cancer Day by delivering lectures on the topic 'Early detection of signs and symptoms of blood cancer in children'.
- 10. World Kidney Day (10th March, 2016)** World Kidney Day was observed by organizing 'Organ Donation Awareness Cycle Rally'. Departments of nephrology, pediatrics along with Indian Academy of Pediatrics (IAP), Ludhiana and International Society of Nephrology celebrated the day by organizing a poster contest in pediatrics OPD block of the hospital.
- 11. World Health Day (7th April, 2016)** Department of community medicine, under the aegis of IAPSM Punjab chapter, observed World Health Day by organizing a quiz programme by unfolding the theme of "Beat Diabetes"
- 12. World Asthma Day (3rd May, 2016)** Department of pediatrics observed world asthma day by organizing declamation contest among all the PG residents of pediatrics department to raise awareness about prevention of asthma in children.
- 13. International Thalassemia Day (6th May, 2016)** In view of 25th International Thalassemia Day, departments of pediatrics and transfusion medicine along with Punjab Thalassaemic Welfare Society (PTWS) celebrated the day by organising 17th annual medicos voluntary blood donation camp. 200 units of blood were collected during the camp.
- 14. World Hypertension Day (17th May, 2016)** Dr Mohinder P Sambhi-DMCH Hypertension Clinic and College of Nursing jointly celebrated World Hypertension Day by organizing a programme highlighting various aspects of hypertension.
- 15. International Yoga Day (21st June, 2016)** International Yoga Day was marked by organizing five- day yoga camp from 18th - 22nd June, 2016. People from different walks of life and of different ages including school children enthusiastically participated in different yoga sessions.

Liver Transplant Unit

Introduction

DMCH management realised the long standing need in Punjab and north India to set up a quaternary care facility catering to the liver and pancreatic health care needs of the population. Although liver transplantation was at the forefront of this development, vision was to create an island of excellence for single organ system care adhering to latest evidence based protocols and amalgamate hepatobiliary surgical, medical and interventional care in a multidisciplinary team based approach. With this working ethos in mind ground work was started for DMCH liver transplant unit by the DMCH management in 2013. DMCH liver transplant unit did the first donor and cadaveric transplant in Punjab. More than 10 liver transplants and over 200 liver cancer surgeries have been done till date.

Facilities

This facility was started in 2014 and is now equipped with a separate liver intensive care and high dependency units at par with the best in the world. These include installation of HEPA filtration units and separate room based facility in the ICU. All the highest order equipments including water jet and CUSA for liver resectional purposes were installed and theaters were upgraded to cater to new services.

Area of Focus

The unit aims to continue to expand its scope in the future by attracting the brightest talent to enhance its human resources and set up national and international collaborations to bring in the best possible hepatobiliary care to the people of the region.



Faculty



Dr HRS Girn
liversurgery@live.com
M : 76965 40000

Dr HRS Girn (Raman) was recruited as the hepatobiliary and liver transplant surgeon and started the liver transplant unit in DMCH in 2013. Having finished his under graduation (MBBS), Dr Girn went to UK for surgical training. He was awarded MRCS (Royal College of Surgeons of Edinburgh) in 2005 and MD by School of Medicine, University of Leeds. He was awarded his FRCS in transplant surgery from Royal College of Surgeons of Edinburgh in 2013. He was a consultant liver transplant surgeon in Leeds, UK, before he moved to DMCH



Dr Punit Singla
drpunitsingla@gmail.com
M : 96509 07765

Dr Punit Singla has recently joined Dayanand Medical College and Hospital (DMCH) as specialist liver transplant surgeon. He is a graduate of DMC, Ludhiana; completed his surgical training in SPMC, Bikaner. He has been trained in Sir Ganga Ram Hospital, New Delhi in the field of GI surgery and liver transplantation. He did his liver transplantation fellowship from Medanta-the medicity, Gurgaon. He has been practicing as liver transplant surgeon with special focus on safe donor surgery and has multiple publications to his credit.



Dr P L Gautam

Specialisation in liver critical care team and liver anaesthesia is provided by **Dr P L Gautam**, Professor & Head critical care division and liver transplant anaesthesia. His team includes Dr Suneet Kathuria, Professor of anaesthesia along with the critical care team and anaesthesia department in DMCH.



Dream Campus-Newly constructed DAYANAND MEDICAL COLLEGE



DAYANAND MEDICAL COLLEGE has recently come up with a new campus with state-of-art seven storied fully air conditioned building.

The building has separate floor for each department including

- Anatomy
- Biochemistry
- Microbiology
- Pathology
- Community Medicine
- Pharmacology
- Forensic Medicine.

Lecture halls, new laboratories and ultra modern auditorium

The new campus of Dayanand Medical College has swanky lecture halls, new laboratories and ultra modern auditorium with a seating capacity of more than 400 persons. Lecture theatres in this newly-built campus, are equipped with latest audio-visual aids with a seating capacity of more than 180 students in each lecture theatre.

New Administration Block

The imposing seven storied building has a new administration block on the ground floor, which includes the offices of all medical administrators and a modern office conference room for conducting meetings with board of members of DMCH managing society. This new admin block is spacious, beautiful and well-furnished.



Class Room



Central Library



Demonstration Room



Central Library

The central library located in the basement along with a reading room with 255 seating capacity is well equipped with modern facilities and resources in the form of books, journals, thesis, publications, CD ROMs and internet services.

Internet-enabled campus

The students on the campus have access to high speed wi-fi connectivity to internet. This helps them access online class lectures, assignments posted by teachers and instructions issued by the college and university as well.

New girls hostel building

A new girls hostel building has also come up in college campus with 636 well-ventilated rooms

Playgrounds

New college campus has an exclusive playground for outdoor games such as football, hockey, kabaddi, volleyball, cricket and basketball. Annual athletic meet (SMASH) is being regularly held in this playground



Study Section



New Girls Hostel Building

Research & Development Centre

The R & D Centre was inaugurated on September 21st 2013 by Dr A V Chainulu, Director, Department of Scientific and Industrial Research. The mission of this research centre is to encourage genuine, meaningful, ethical and feasible research in the institution with the vision to inculcate the value of good and ethical research in the faculty.

The post graduate students are winning awards in various national and regional conferences for their research work.



The various Committees of the Research & Development Centre are:

- **Research Advisory Board** is the main Committee having 19 eminent members including past principals, experts from ICMR and other national bodies.
- **Drug Trial Ethics Committee (DTEC)** is working from last 7-8 years. DTEC deals with drug trials/study. It has also been registered with DCG (I), New Delhi in March 2013 vide registration no. ECR/101/Inst/PB/2013.
- **Institutional Ethics Committee (IEC)** constituted in Nov, 2013 deals with non-drug trials, retrospective and prospective research and PG thesis of the Institution. The institutional ethics committee registration no. ECR/715/Inst/PB/2015.

Recent important projects started at the institution are

1. Intergenerational programming of Diabesity in offspring of women with Gestational Diabetes Mellitus (InDiaGDM).
2. ICMR Project: "Towards developing a national epilepsy control program: A pilot community based, randomized trial of delivery of care to people with epilepsy" ICMR No: 5/4-5/127/Neuro/2013-NCD-I.
3. Phase –III clinical trial with an intravasal injectable male contraceptive - RISUG (ICMR Trial)
4. International Study of Comparative Health Effectiveness with Medical and Invasive Approaches (ISCHEMIA).
5. Fecal microbiota transplantation (FMT) for patients with ulcerative colitis.
6. Environmentally sound management of medical waste in India. GEF/UNIDO/MoEFCC/MSRMC

Dr Suman Puri

Dr Gagandeep Singh

Dr Arvind Goyal

Dr Gurpreet S Wander

Dr Ajit Sood

Dr Rajoo Singh China



Special Services

Endoscopic Ultrasound

Newer modality in the Dept. of Gastroenterology

Q1: What is Endoscopic Ultrasound?

Ans: Endoscopic Ultrasound (EUS) is a procedure that looks at digestive system from the inside. A thin, flexible tube, called an endoscope, with a tiny camera at the end, is gently guided into digestive system. This tube also has a tiny ultrasound machine at the end that can send out sound waves similar to an external ultrasound. EUS produces high resolution pictures that allows physician to more accurately diagnose, treat and see deeper into the tissues and the organs beneath the surface of the intestine. The EUS scope can also be used to direct a tiny needle into an area of concern and take a sample of tissue. This is called "Fine Needle Aspiration (FNA)"

Q2: Where can EUS be used ?

Ans: EUS can be used to evaluate:

- Blood vessels
- Gallstones inside the gallbladder and bile duct
- Pancreas
- Rectum abnormalities
- Tumors and lymph nodes underneath the intestinal wall
- Mediastinal masses

Q3: What preparation is required?

Ans: When an EUS is done on the upper digestive tract, patient cannot eat or drink anything for eight hours before the procedure. The test is scheduled as an outpatient procedure in most cases.

Q4: What should you expect during EUS?

Ans: The procedure can take from 30 to 90 minutes, during which patients are kept comfortable and relaxed. The procedure is extremely well tolerated with little or no discomfort. The EUS scope does not interfere with the breathing. The medication usually prevents gagging.

Q5: Are there complications of EUS?

Ans: EUS is safe and associated with low risk when performed by physicians who have been specially trained and are experienced in this endoscopic procedure. One major complication is perforation, in which a small tear through the wall may allow leakage of digestive fluid. Death is extremely rare but remains a remote possibility

Q6: What are the reasons for doing the EUS?

Ans: EUS ultrasound images provide highly accurate image/picture assessments of the layers of the intestinal wall and the structures immediately adjacent to the GI tract. EUS improves the ability of the gastroenterologist to determine depth and extent of a cyst, polyp, other growth or cancer of the intestine. EUS will guide endoscopic therapies in the treatment of cysts, vascular lesions and cancers of the GI tract.

Q7: Are there alternatives to EUS?

Ans: External ultrasound studies, CT, PET and MRI scans are imaging options that can be used to evaluate GI disease. EUS complements these studies and in addition allows to obtain tissue samples and helps in evaluation and treatment of many GI diseases.

Q8: Is this procedure available in DMCH?

Ans: Yes, this procedure is routinely done in the endosurgical complex, in the department of Gastroenterology.

Q9: How many procedures have been carried out in DMCH?

Ans: Till date about 600 diagnostic and therapeutic procedures have been done with no complications.

For more Information, contact : 0161-4687306



Achievements & Memorable Moments

MOU with Osler Health System



Dayanand Medical College & Hospital entered into collaboration with William Osler Health System, Ontario, Canada on 21st April, 2016 to improve health care delivery, education and medical research. A memorandum of understanding was signed by Sh. Prem Kumar Gupta, secretary, managing society & Dr Sandeep Puri, Principal, DMCH and Dr Naveed Mohammad, Vice President, Medical Affairs of Osler, Canada.

DMCH gets grant from ICMR for epilepsy control



DMCH received a research grant from the Indian Council of Medical Research (ICMR), Ministry of Health, India, to develop a model of care for an epilepsy control programme for the Government of India. The project will be undertaken over a period of three years with provision of free medications and investigations for people with epilepsy in Ludhiana district. Dr Gagandeep Singh, professor and head of neurology is the principal investigator

DMCH student bags top position



Dr Jasneet Singh Channa creates a niche for himself by securing distinguished ranking in MBBS Second Prof examination conducted by Baba Farid University of Health Sciences (BFUHS), Faridkot.



Scholarship for Nursing Students

13 students of B.Sc. (N) and 4 students of M.Sc.(N) were provided with financial help of Rs. 10,000 in the form of scholarship granted by Secretary of DMCH Managing Society Sh. Prem Kumar Gupta



Adieu to Dr Hemant Chopra & Dr Poonam Singh

Dr Hemant Chopra (Professor & Head of ENT) & Dr Poonam Singh (Professor & Head of Anatomy) were accorded a warm farewell by the faculty and members of DMCH managing society after serving the institute for more than 30 years.

CONVOCAATION 2017



Annual convocation was held for the medical graduates of the MBBS batch 2011, who were awarded degrees and prizes by the chief guest Prof (Dr) SC Ahuja, former Principal DMCH. The gold medal for the best graduate was presented to Dr Shubhangi Gupta and the silver medal to Dr Kiranpreet Kaur.



ECTOPIA 2017 *Cultural Extravaganza*



Mr Ectopia : Dr Gurjot Singh (2013 Batch) ; Ms Ectopia : Dr Shriya (2012 Batch)

SMASH

Annual Athletic Meet 2017



Best Athlete : Dr Abhishek Kumar (Batch 2012) ; Best all rounder : Dr Sahil Sardana (Batch 2012)

DMCH CANCER CARE CENTRE

DMCH Cancer Care Centre has been established in association with American Oncology Institute (AOI). This is the latest unit of DMCH. The cancer centre has 70 beds and 6 OPD chambers. The DMCH cancer care centre has done 435 PET/CT scans and 3712 chemotherapies till date. The centre follows a comprehensive approach for prevention and cancer treatment through its dedicated team of medical, surgical and radiation oncologists who work together to optimise patient care backed by new generation technology in diagnostics, day care chemotherapy, operating rooms and radiation therapy.

Linear Accelerator Varian TrueBeam



Discovery 600 Whole body PET/CT scan

TrueBeam uses a patented High-Intensity Mode that delivers dose rates which are two times faster than other machines' rates. TrueBeam also delivers radiation therapy with unparalleled accuracy - 4D, CT images, and speed - 60% faster than other accelerators. Our physicians thus have the ability to treat patients with the highest possible degree of speed and precision.

We have four-dimensional ('4D') PET/CT, which combines the power of two imaging technologies and helps physicians account for variations in tumor size, shape and location when patients move or breathe. With it, doctors see the most complete and accurate images possible of a patient's tumor and surrounding body structures.

OUR EXPERTS



Dr Gurpreet Singh Brar
MS, M.Ch
Professor & Head
Surgical Oncology
M: +91 98140 58937



Dr Kunal Jain
DNB
Assistant Professor
Medical Oncology
M: +91 84274 16483



Dr Sandhya Sood
MD
Senior Consultant
Radiation Oncology
M: +91 94172 11180



Dr Puneet Bhutani
MD
Consultant
Nuclear Medicine
M: +91 99717 57227



Dr Sumeet Jain
MS, M.Ch
Consultant
Surgical Oncology
M: +91 84272 13811



Dr Davinder Paul
DM
Assistant Professor
Medical Oncology
M: +91 88791 53580



Dr Anshuma Bansal
MD
Associate Consultant
Radiation Oncology
M: +91 95920 96223

For more information contact : 0161-330111, aoiludhiana@americanoncology.com

Editorial Team

Dr Gurpreet Singh Wander (Chairperson) | Dr Suneet Kant Kathuria (Secretary) | Dr Virender Pal Singh
Dr Manish Munjal | Dr Atul Mishra | Dr Shikha Gupta | Dr Sarit Sharma | Dr Navkiran S Mahajan
Dr Bharti Mahajan | Dr Rajesh Kumar | Dr Monika Singla | Dr Kanchan Gupta | Dr M Rupinder Kaur

Co-ordinators : Mr Aayush Chaku, Ms Muskan Sharma