

## VIII. FACULTY OF MEDICAL SCIENCES

### DR. HARVANSH SINGH JUDGE INSTITUTE OF DENTAL SCIENCES AND INSTITUTE

#### ABOUT THE INSTITUTE

Dr. Harvansh Singh Judge Institute of Dental Sciences & Hospital was established in April 2006 under the aegis of Panjab University with the objective of strengthening public-funded dental education, clinical services and research in oral health sciences. The Institute is recognized and approved by the Dental Council of India and the Ministry of Health & Family Welfare, Government of India.

The Institute functions as a centre of excellence in dental education, patient care and research. It offers comprehensive undergraduate and postgraduate training while simultaneously delivering accessible and cost-effective oral healthcare services to the community. Special emphasis is placed on outreach initiatives targeting children and economically weaker sections of the society contributing to the promotion of both oral and overall health.

The Institute has consistently earned national recognition for its academic and clinical performance. It has been acknowledged as one of the leading dental institutions in the region and was placed 27<sup>th</sup> at the national level in the National Institutional Ranking Framework (NIRF) 2024 and 19<sup>th</sup> in the India Today - MDRA Best Dental Colleges Ranking 2023. It has previously secured the 5<sup>th</sup> rank nationally as per assessments released by the Dental Council of India.

The academic and clinical infrastructure of the Institute comprises 18 departments, including 9 dental and 9 medical departments, supported by 8 clinical and 11 pre-clinical and para-clinical laboratories. A wide range of speciality clinics operate daily, managing approximately 350-400 patients. Diagnostic services are strengthened by modern laboratory equipped for biochemical, histopathological and microbiological analysis.

The Institute offers Bachelor of Dental Surgery (BDS) and Master of Dental Surgery (MDS) courses. The BDS course with an annual intake of 100 students, includes four years of academic and clinical training followed by a mandatory one-year paid rotatory internship. The MDS course spans three years and currently enrolls 17 postgraduate students across six specialities. Monthly stipends are provided to all MDS students for the duration of their training.

Faculty members are actively involved in research across clinical and basic sciences, undertaking studies that include surveys, diagnostic research and randomized controlled clinical trials. The Institute emphasizes on delivering affordable speciality dental care to its patients and integrating clinical exposure with structured academic teaching to its students. Medical and surgical outpatient services are also extended to patients of the tricity and adjoining areas. In addition, the Institute regularly organizes oral health awareness and dental screening camps in schools and rural communities of Chandigarh and adjoining regions.

The Institute library is well-resourced, housing approximately 3,636 books spanning medical and dental disciplines, along with access to contemporary national and international journals to support academics and research activities. Collaborative research efforts are carried out with reputed institutions such as PGIMER Chandigarh, GMCH-32 Chandigarh, CSIR-CSIO and IMTECH. The Institute has received research grants from various government funding agencies including ICMR, DST, UGC and SERB. It also functioned as a Design Innovation Centre (DIC) under a UGC-supported initiative. Faculty is actively involved in research and has publications in reputed national and international journals with high impact factors.

Further expanding its clinical and academic outreach, the Institute collaborates with Government Medical College & Hospital (GMCH), Sector-32, Chandigarh and operates a fully equipped satellite centre at Palsora. Guided by its mission of service to society, the Institute continues to work towards reducing the burden of oral disease, advancing dental research and developing a skilled and future-ready dental workforce.

#### FACULTY

Designation	Name	Field of Research Specialization
Principal-cum-Professor Professors (Regular)	Deepak Kumar Gupta	Orthodontics & Dentofacial Orthopedics
	Ashish Jain	Periodontology
	Jagat Bhushan	Conservative Dentistry & Endodontics
	Hemant Batra	Oral & Maxillofacial Surgery
	Shefali Singla	Prosthodontics and Crown & Bridge
	Abha Bajaj nee Sheth	General Anatomy
	Anubha Gulati	Oral and Maxillofacial Pathology and Oral Microbiology
	Divya Mahajan	General Anatomy
	Kitty Sidhu	Conservative Dentistry & Endodontics
	Komal Sehgal	Prosthodontics and Crown & Bridge
	Manjula Mehta	Microbiology
	Rajesh Kumar Joshi	Conservative Dentistry & Endodontics
	Savita Prashar	Biochemistry
	Sukant Garg	General Pathology
	Urvashi Sharma	Pediatric & Preventive Dentistry
	Vinay Kapur	General Medicine
	Professor (Temporary)	Shally Gupta
Associate Professors (Regular)	Amandeep Singh Uppal	Conservative Dentistry & Endodontics
	Archana Agnihotri	Pediatric & Preventive Dentistry
	Arun Kumar Garg	Orthodontics & Dentofacial Orthopedics
	Jyoti Gupta	Periodontology
	Jyoti Sharma	General Microbiology
	Kavita Sekhri	Pharmacology
	Lalit Kumar	Prosthodontics and Crown & Bridge
	Leena Verma	Pediatric & Preventive Dentistry
	Litesh Singla	Orthodontics & Dentofacial Orthopedics
	Mili Bansal Nee Gupta	Biochemistry

			Namrata C. Gill	Pediatric & Preventive Dentistry
			Nandini Bhaskar	Periodontology
			Rakhi Aulakh	Pathology
			Ruchika Nandha	Pharmacology
			Sharique Rehan	Prosthodontics and Crown & Bridge
			Shaveta Sood	Periodontology
			Sidhi Passi	Pediatric & Preventive Dentistry
			Sonia B. Bhardwaj	Microbiology
			Sukhwinder Singh	General Medicine
			Suruchi Aditya	Pharmacology
			Swaty Jhamb	Conservative Dentistry & Endodontics
Associate Professors (Temporary)			Neeraj Sharma	Oral Medicine & Radiology
			Vandana Chhabra	Oral & Maxillofacial Surgery
			Vishakha Grover	Periodontology
Senior Assistant (Regular)	Professor		Ajinder Pal Singh Sandhu	Oral & Maxillofacial Surgery
			Ikreet Singh Bal	Public Health Dentistry
			Maninderpal Singh Gill	General Surgery
			Sujata Upadhyay	Physiology
Senior Assistant (Temporary)	Professor		Prabhjot Cheema	Anatomy
			Rosy Arora	Pedodontics
			Ruchi Singla	Conservative Dentistry & Endodontics
			Vivek Kapoor	Conservative Dentistry & Endodontics
Assistant Professors (Regular)			Harveen Kaur	Oral Medicine & Radiology
			Pradip Singh	Oral & Maxillofacial Surgery
			Virender Kumar	Prosthodontics and Crown & Bridge
Assistant Professors (Temporary)			Amandeep Kaur	Conservative Dentistry & Endodontics
			Amrita Rawla	Conservative Dentistry & Endodontics
			Gurprakash Singh Chahal	Periodontology
			Manjot Kaur	Conservative Dentistry & Endodontics
			Monika Nagpal	Prosthodontics and Crown & Bridge
			Neha Bansal	Oral Medicine & Radiology
			Poonam Sood	Public Health Dentistry
			Prabhjot Kaur	Public Health Dentistry
			Puneet	Prosthodontics and Crown & Bridge
			Rajdeep Brar	Oral Medicine & Radiology
			Rajeev Rattan	Oral Medicine & Radiology
			Rajni Jain	Prosthodontics and Crown & Bridge
			Rose Kanwaljeet Kaur	Periodontology
			Sunint Singh	Prosthodontics and Crown & Bridge
			Vandana Gupta	Oral and Maxillofacial Surgery
Dental Surgeon (Regular)			Preeti Kang	Oral Medicine & Radiology
Demonstrators (Temporary)			Anupam Vijayvergia	General Pathology
			Harkirat Sethi	Oral & Maxillofacial Surgery
			Ravi Kant Sharma	Biochemistry

**COURSES OFFERED (ANNUAL SYSTEM):**

Course	Seats		Duration	Eligibility	Admission Criteria
Bachelor of Dental Surgery (BDS)	85 # +15 NRI* = 100 # (Gen-53, Gen PwD-3, SC-11, SC PwD-01, ST-06, BC-4, Jaj-02 & CP-05)		5 years	Passed +2 (Medical Stream)	Based on National Eligibility-cum-Entrance Test-UG (NEET-UG) for all Categories
Master of Dental Surgery (MDS)	1. Conservative Dentistry & Endodontics	3	3 years	BDS Degree from a recognized Dental College	Based on National Eligibility-cum-Entrance Test-MDS i.e. NEET-MDS.
	2. Oral & Maxillofacial Surgery	2			
	3. Orthodontics & Dentofacial Orthopedics	3			
	4. Prosthodontics and Crown & Bridge	3			
	5. Periodontology	3			
	6. Oral and Maxillofacial Pathology and Oral Microbiology	3			

\*NEET Qualification mandatory for Admission in NRI Category

**TITLE OF SYLLABI:** Detailed syllabi available at <http://www.dciindia.org.in>**B.D.S.**

1 <sup>st</sup> year	2 <sup>nd</sup> year
Anatomy, Human Physiology, Biochemistry, Dental Anatomy and Oral Histology	Dental Material, General Pharmacology, General Pathology, General Microbiology, Pre-Clinical Prosthodontics, Pre-Clinical Conservative Dentistry

<b>3<sup>rd</sup> year</b>	<b>4<sup>th</sup> year</b>
General Medicine, General Surgery, Oral Pathology	Oral Medicine and Radiology, Oral Surgery, Prosthodontics, Periodontics, Conservative Dentistry, Pedodontics, Orthodontics, Public Health Dentistry
<b>5<sup>th</sup> year --- One year Compulsory paid Rotatory Internship</b>	

**M.D.S.**

<b>1. CONSERVATIVE DENTISTRY AND ENDODONTICS</b>	<b>2. ORAL &amp; MAXILLOFACIAL SURGERY</b>
<b>Part-I To be conducted at the end of 1<sup>st</sup> year</b> Paper-I Applied Basis Sciences: Applied Anatomy, Physiology, Pathology including Oral Microbiology, Pharmacology, Biostatistics and Research Methodology and Applied Dental Materials.	<b>Part-I to be conducted at the end of 1<sup>st</sup> year</b> Paper-I: <b>Applied Basic Sciences</b> : Applied Anatomy, Physiology & Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics
<b>Part-II To be conducted at the end of 3<sup>rd</sup> year</b> Paper-I : Conservative Dentistry Paper-II : Endodontics Paper-III : Descriptive and analyzing type question	<b>Part-II To be conducted at the end of 3<sup>rd</sup> year</b> Paper-I : Minor Oral Surgery and Trauma Paper-II :Maxillo-facial surgery Paper-III : Descriptive and analyzing type question
<b>3. ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS</b>	<b>4. PROSTHODONTICS AND CROWN &amp; BRIDGE</b>
<b>Part I : To be conducted at the end of 1<sup>st</sup> year</b> Paper-I: <b>Applied Basic Sciences:</b> Applied anatomy, Physiology, Dental Materials, Genetics, Pathology, Physical Anthropology, Applied Research methodology, Bio-Statistics and Applied Pharmacology <b>Part-II: To be conducted at the end of 3<sup>rd</sup> year</b> Paper-I: Orthodontics history, Concepts of occlusion and esthetics, Child and Adult Psychology, Etiology and classification of malocclusion, Dentofacial Anomalies, Diagnostic procedures and treatment planning in Orthodontics, Practice Management in Orthodontics Paper-II : Clinical Orthodontics Paper-III : Descriptive and analyzing type question	<b>Part-I To be conducted at the end of 1<sup>st</sup> year</b> Paper-I : <b>Applied Basic Sciences</b> : Applied anatomy, embryology, growth and development Genetics, Immunology, Anthropology, Physiology, Nutrition and Biochemistry, Pathology and Microbiology, virology, Applied Pharmacology, Research Methodology and bio statistics, Applied Dental, Anatomy and Histology, Oral pathology and Oral Microbiology, Adult and Geriatric Psychology, Applied Dental materials. <b>Part-II To be conducted at the end of 3<sup>rd</sup> year</b> Paper-I : Removable Prosthodontics and Implant supported prosthesis (Implantology), Geriatric dentistry and Cranio facial Prosthodontics Paper-II : Fixed Prosthodontics, occlusion, TMJ and esthetics Paper-III : Descriptive and analyzing type question
<b>5. PERIODONTOLOGY</b>	<b>6. ORAL AND MAXILLOFACIAL PATHOLOGY AND ORAL MICROBIOLOGY</b>
<b>Part-I to be conducted at the end of 1<sup>st</sup> year</b> Paper-I: Applied Basic Sciences: Applied Anatomy, Physiology and Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics. <b>Part-II To be conducted at the end of 3<sup>rd</sup> year</b> Paper I : Normal Periodontal structure, Etiology and Pathogenesis of Periodontal diseases, epidemiology as related to Periodontics Paper II : Periodontal diagnosis, therapy and oral implantology Paper-III Descriptive and analyzing type question	<b>Part I: To be conducted at the end of 1<sup>st</sup> year</b> Paper-I: <b>Applied Basic Sciences:</b> Applied anatomy, Physiology (General and oral), Cell Biology, General Histology, Biochemistry, General Pathology, General and Systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology (Oral and dental histology), Biostatistics and Research Methodology <b>Part-II: To be conducted at the end of 3<sup>rd</sup> year</b> Paper-I: Oral pathology, Oral Microbiology and Immunology and Forensic Odontology Paper-II: Laboratory techniques and Diagnosis and Oral Oncology Paper-III: Descriptive and analyzing type question

**THRUST AREAS:** Patient care, Outreach activities, Innovation & Research.