DASMESH INSTITUTE OF RESEARCH AND DENTAL SCIENCES

DEPARTMENT OF PEDIATRIC & PREVENTIVE DENTISTRY

LIST OF PUBLICATIONS

Year of publication		
2026	1.	Sardana N, Bajaj N, Bhola M. Comparison of Transcutaneous Electrical Nerve Stimulation and Cold-vibration Distraction on Pain Perception during Local Anesthesia in Children: A Randomized Controlled Trial. Int J Clin Pediatr Dent 2026;19(7):894898.
	2.	GargS, Bhola M, Sharma P, Sardana N & Kataria A. Prevalence of deleterious oral habits in children in Punjab: a cross-sectional epidemiological survey of parental awareness and responses. European Archives of Paediatric Dentistry. 10.1007/s40368-026-01201-2.
	3.	Palta S, Bhola M. Comparative evaluation of smear layer removal by various endodontic irrigating solutions—An in vitro study. J Pharm Bioall Sci 2026;18:S249-52.
	4.	Kritika H, Jasuja P, Khurana H, Miglani R, Gakhar E, comparative evaluation of cleaning efficacy and microbial load reduction in primary teeth using three different rotary file systems: an in-vitro study. Baba Farid Univ Dental J 2026;16(1):33-51
	5.	Thind S, Singh J, Thind SK, Kumar M, Makan K, Sangha R, Sharma E. Comparative analysis of oral health beliefs in North India. Bioinformation. 2026;22(7):4008-12.
	6.	Sharma E, Thind S, Sumanjit, Singh J, Sangha R. Furcation involvement. J Orofac Health Sci. 2025;12(4): 219-223.

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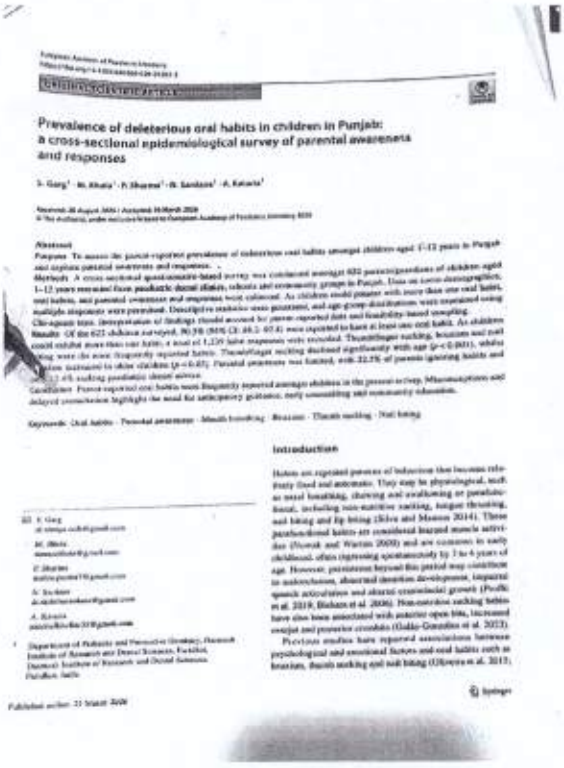
ORIGINAL RESEARCH

Comparison of Transcutaneous Electrical Nerve Stimulation and Cold-vibration Distraction on Pain Perception during Local Anesthesia in Children: A Randomized Controlled Trial

Abstract

Introduction

Sardana N, Bajaj N, Bhola M. Comparison of Transcutaneous Electrical Nerve Stimulation and Cold-vibration Distraction on Pain Perception during Local Anesthesia in Children: A Randomized Controlled Trial. Int J Clin Pediatr Dent 2026;19(7):894898.



Prevalence of deleterious oral habits in children in Punjab: a cross-sectional epidemiological survey of parental awareness and responses

Abstract

Introduction

GargS, Bhola M, Sharma P, Sardana N & Kataria A. Prevalence of deleterious oral habits in children in Punjab: a cross-sectional epidemiological survey of parental awareness and responses. European Archives of Paediatric Dentistry. 10.1007/s40368-026-01201-2.

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Original Research

Comparative Evaluation of Smear Layer Removal by Various Endodontic Irrigating Solutions—An in vitro Study

Palta S, Bhola M. Comparative evaluation of smear layer removal by various endodontic irrigating solutions—An in vitro study. J Pharm Bioall Sci 2026;18:S249-52.



Original Research

comparative evaluation of cleaning efficacy and microbial load reduction in primary teeth using three different rotary file systems: an in-vitro study

Kritika H, Jasuja P, Khurana H, Miglani R, Gakhar E, comparative evaluation of cleaning efficacy and microbial load reduction in primary teeth using three different rotary file systems: an in-vitro study. Baba Farid Univ Dental J 2026;16(1):33-51

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Volume 22(7)

Research Article

Comparative analysis of oral health beliefs in North India

Thind S, Singh J, Thind SK, Kumar M, Makan K, Sangha R, Sharma E. Comparative analysis of oral health beliefs in North India. Bioinformation. 2026;22(7):4008-12.



Sharma E, Thind S, Sumanjit JS, Sangha R. Furcation involvement. Journal of Orofacial and Health Sciences. 2025;12(4):219-23.

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LIST OF PATENTS

28.09.2026	PEDIATRIC IRRIGATION TOOL has been registered as Design No. 504525-001 on 28/09/2026 with CBR number 212965 in the name of 1.DR. AARZOO DOGRA 2. DR. MEENU BHOLA In pursuance of and subject to the provisions of the Design Act, 2000 and the Design Rules, 2001.
09.09.2026	PRE-FLOSSED MAGNETIC ENDODONTIC FILE has been registered as Design No. 470461-001 on 09/09/2026 in class 24-02 in the name of 1.DR. AANCHAL 2. DR. MEENU BHOLA In pursuance of and subject to the provisions of the Design Act, 2000 and the Design Rules, 2001.
04.09.2026	Suction tip for saliva aspirators/saliva ejectors and dental appliances has been registered as Design No. 468960-001 on 04/09/2026 in class 24-01 in respect of the application of such design in the name of 1.DR. SHREYA 2. DR. MEENU BHOLA In pursuance of and subject to the provisions of the Design Act, 2000 and the Design Rules, 2001.
23.07.2026	The design, a copy of which is annexed hereto, has been duly registered under Class 24-02 in respect of its application to the Dental Implant Tissue Punch Instrument, under the registration number and date specified above, in the names of 1. Dr. Ankita Chhabrani, 2. Dr. Deepak Bhagwan Jagtap, 3. Dr. Mahesh Kumar Thalakadu Subbaiah, 4. Dr. Sarmistha Sritam, 5. Dr. Mohit Bansal, 6. Dr. Nikhat Attar, 7. Dr. Vansh Vardhan Madahar, 8. Dr. Harshada Zagade, 9. Dr. Apoorva Shrestha, and 10. Dr. Antony Jebaraj Robert. The registration has been granted in accordance with, and is subject to, the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

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PRE-FLOSSED MAGNETIC ENDODONTIC FILE HAS BEEN REGISTERED AS DESIGN NO. 470461-001 ON 09/09/2026 IN CLASS 24-02 IN THE NAME OF 1.DR. AANCHAL 2. DR. MEENU BHOLA IN PURSUANCE OF AND SUBJECT TO THE PROVISIONS OF THE DESIGN ACT, 2000 AND THE DESIGN RULES. 2001.



THE DESIGN, A COPY OF WHICH IS ANNEXED HERETO, HAS BEEN DULY REGISTERED UNDER CLASS 24-02 IN RESPECT OF ITS APPLICATION TO THE DENTAL IMPLANT TISSUE PUNCH INSTRUMENT, UNDER THE REGISTRATION NUMBER AND DATE SPECIFIED ABOVE, IN THE NAMES OF 1. DR. ANKITA CHHABRANI, 2. DR. DEEPAK BHAGWAN JAGTAP, 3. DR. MAHESH KUMAR THALAKADU SUBBAIAH, 4. DR. SARMISTHA SRITAM, 5. DR. MOHIT BANSAL, 6. DR. NIKHAT ATTAR, 7. DR. VANSH VARDHAN MADAHAR, 8. DR. HARSHADA ZAGADE, 9. DR. APOORVA SHRESTHA, AND 10. DR. ANTONY JEBARAJ ROBERT. THE REGISTRATION HAS BEEN GRANTED IN ACCORDANCE WITH, AND IS SUBJECT TO, THE PROVISIONS OF THE DESIGNS ACT, 2000 AND THE DESIGNS RULES, 2001.

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Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry
Government of India

INTELLECTUAL PROPERTY INDIA

Status : Inforce

Inforce upto : 24-09-2036

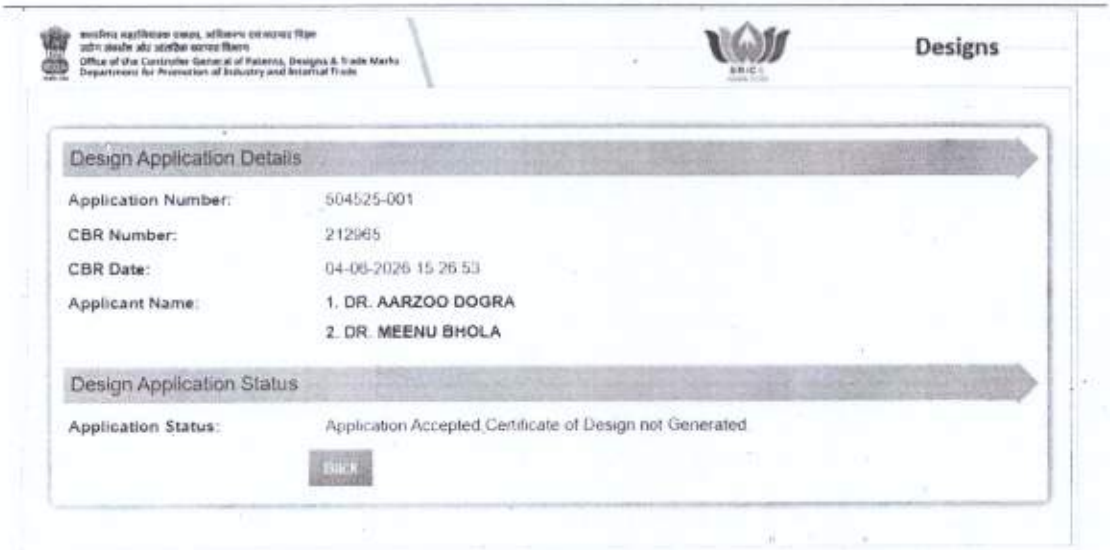
Design Number	468960-001	Filing Date	:	04/09/2026
Type of Application	DESIGN	Class/Subclass	:	24-01
Convention Country(ies)		Reciprocity Date	:	
Publication Date	04/09/2026		:	
Name of Article	Suction tip for saliva aspirators/saliva ejectors and dental appliances			

Sl. No.	Name of Registered Proprietor	Address
1	Ms Shreya	House No. 232, Block B, Rajendra Estate, Moga, Punjab-142001
2	Ms Meenu Bhola	House No. D-83, Near Laxmi Chak, Raj Guru Nagar, Ludhiana, Punjab-141012

Address of Service : Saraswati, Mukhtyar[illegible] G-305, Supertech Pet New Town, Sector 33, Sonipat, Haryana 131001 Contact: +91 987 286 4015

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SUCTION TIP FOR SALIVA ASPIRATORS/SALIVA EJECTORS AND DENTAL APPLIANCES HAS BEEN REGISTERED AS DESIGN NO. 468960-001 ON 04/09/2026 IN CLASS 24-01 IN RESPECT OF THE APPLICATION OF SUCH DESIGN IN THE NAME OF 1.DR. SHREYA 2. DR. MEENU BHOLA IN PURSUANCE OF AND SUBJECT TO THE PROVISIONS OF THE DESIGN ACT, 2000 AND THE DESIGN RULES, 2001.



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade

Designs

Design Application Details

Application Number:	504525-001
CBR Number:	212965
CBR Date:	04-08-2026 15:26:53
Applicant Name:	1. DR. AARZOO DOGRA 2. DR. MEENU BHOLA

Design Application Status

Application Status:	Application Accepted,Certificate of Design not Generated

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PEDIATRIC IRRIGATION TOOL HAS BEEN REGISTERED AS DESIGN NO. 504525-001 ON 28/09/2026 WITH CBR NUMBER 212965 IN THE NAME OF 1.DR. AARZOO DOGRA 2. DR. MEENU BHOLA IN PURSUANCE OF AND SUBJECT TO THE PROVISIONS OF THE DESIGN ACT, 2000 AND THE DESIGN RULES, 2001.

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ONGOING RESEARCH ACTIVITIES IN THE DEPARTMENT

Year	Research Title	Completed/ ongoing
2026	Comparison of Transcutaneous Electrical Nerve Stimulation and Cold-vibration Distraction on Pain Perception During Local Anaesthesia in Children: A Randomized Controlled Trial – Dr. Nishtha Sardana, Dr. Nitika Bajaj, Dr. Meenu Bhola	Completed & Published
	Garg S, Bhola M, Sharma P, Sardana N & Kataria A. Prevalence of deleterious oral habits in children in Punjab: a cross-sectional epidemiological survey of parental awareness and responses. European Archives of Paediatric Dentistry. 10.1007/s40368-026-01201-2. – Dr. Shreya Garg, Dr. Meenu Bhola, Dr. Punita Sharma, Dr. Nishtha Sardana, Dr. Aanchal Kataria	Completed & Published
	Palta S, Bhola M. Comparative evaluation of smear layer removal by various endodontic irrigating solutions—An in vitro study. J Pharm Bioall Sci 2026;18:S249-52. Dr. Sumeet Palta, Dr. Meenu Bhola	Completed & Published
	Early smiles lasting impact: knowledge and attitude of parents towards primary teeth care Dr. Aarzoo Dogra, Dr. Akashdeep Singh, Dr. Meenu Bhola	Completed
	Fluoride or Fluoride- Free? An In-Vivo Evaluation of Antibacterial efficacy of Topical Agents in Primary Teeth – Dr. Aarzoo Dogra, Dr. Meenu Bhola	Completed

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	Assessment of knowledge, attitude and practices regarding preventive dental visits among parents of children (0-12 years) – Dr. Arundeep, Dr. Meenu Bhola	Completed
	Comparative evaluation of Bio-C Repair, neoPUTTY and MTA as pulpotomy agents in primary molars: an in vivo study – Dr. Ashita Goyal, Dr. Nitika Bajaj, Dr. Meenu Bhola	Completed
	Comparative evaluation of selective caries removal techniques followed by SDF application in primary molars – an in vivo study - Dr. Shreya Garg, Dr. Meenu Bhola	Completed
	Comparative evaluation of antibacterial efficacy of various intracanal irrigating solutions in pulpectomy procedures in primary teeth- An in vivo study - Dr. Aarzoo Dogra, Dr. Meenu Bhola	Ongoing
	Comparative Evaluation of retention of silver nanoparticles infused pit and fissure sealant in permanent first molars – An in vivo study - Dr. Akashdeep Singh, Dr. Meenu Bhola	Ongoing
	Comparative Evaluation of the Remineralization Potential of Three Different Remineralizing Agents on White Spot Lesions in Newly Erupted Permanent Anterior Teeth- An In Vivo Study- Dr. Navjot Singh, Dr. Meenu Bhola	Ongoing
	Comparative Evaluation of The Antibacterial Efficacy of Two Different Irrigating Solutions Used in Pulpectomy Procedure of Primary Molars- An In Vivo Study Dr. Sanjana Maheshwari, Dr. Meenu Bhola	Ongoing

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DEPARTMENT ACADEMIC EVENTS

CONFERENCES/ CONVENTIONS ATTENDED

	YEAR	NAME OF THE CONFERENCE
		INTERNATIONAL LEVEL
1.		Dr. Arundeep, Dr. Aarzoo Dogra, Dr. Ashita Goyal Attended 12th International Conference of Indo- Pacific Academy of Forensic Odontology held on 21st- 23rd August 2026 at Dasmesh Institute of Research and Dental Sciences, Faridkot Punjab.
2.		Dr. Aarzoo Dogra Attended 2nd International Conference on Dental Sedation and Anaesthesia held on 10-11th April 2026 at Saveetha Dental College, Chennai.
		NATIONAL LEVEL
3.	2026	Dr. Akashdeep singh, Dr. Aarzoo Dogra, Dr. Navjot Singh, Dr. Sanjana Maheshwari attended National 47th Annual Conference of ISPPD 2026 held on 21st-23rd September 2026 at New Delhi.
4.		Dr. Shreya and Dr. Ashita Goyal attended PEDO RARE 2026 held from 26th - 28th May 2026.
5.		Dr. Meenu Bhola, Dr. Samarpreet Kaur, Dr. Arundeep, Dr. Shreya and Dr. Ashita Goyal, Dr. Akashdeep singh, Dr. Aarzoo Dogra, Dr. Navjot Singh, Dr. Sanjana Maheshwari attended National IAOMR UG Student Convention 2026 on "Smart Dentistry for Digital Future" held on 11th April 2026
6.		Dr. Shreya, Dr. Akashdeep singh, Dr. Aarzoo Dogra, Dr. Navjot Singh, Dr. Sanjana Maheshwari attended "Sleep & Dentistry: Evidence to Excellence" held on 3rd-4th April 2026 by Oral Health Sciences Center, PGIMER, Chandigarh.

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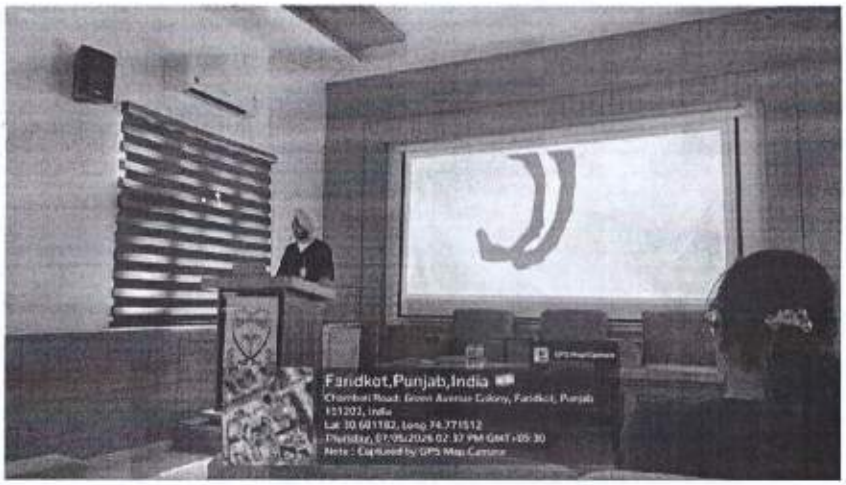
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CDE/CPC

YEAR	CONTINUING DENTAL EDUCATION/ CLINICO-PATHOLOGICAL CONFERENCES
2026	Dr. Shreya, Dr. Akashdeep singh, Dr. Navjot Singh, Dr. Sanjana Maheshwari attended one day workshop on "Advancing Clinical Pediatric Dentistry" at Christian Dental College, Ludhiana on 22nd August 2026. Dr. Sanjana Maheshwari presented CPC on "Blood dyscrasias in children" held on 11th August 2026 at DIRDS, Faridkot Dr. Navjot Singh presented CPC on "Development of Tooth" held on 7th May 2026 at DIRDS, Faridkot Dr. Meenu Bhola, Dr. Samarpreet Kaur, Dr. Arundeep, Dr. Ashita Goyal, Dr. Shreya, Dr. Akashdeep singh, Dr.Aarzoo Dogra, Dr. Navjot Singh, Dr. Sanjana Maheshwari attended 2-day Webinar & Virtual Hands-on on "PEDO-RIVETS 2026" under the aegis of Indian Society of Pedodontics and Preventive Dentistry held on 1st & 2nd April 2026

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DR. NAVJOT SINGH PRESENTED CPC ON "DEVELOPMENT OF TOOTH" HELD ON 7TH MAY 2026 AT DIRDS, FARIDKOT



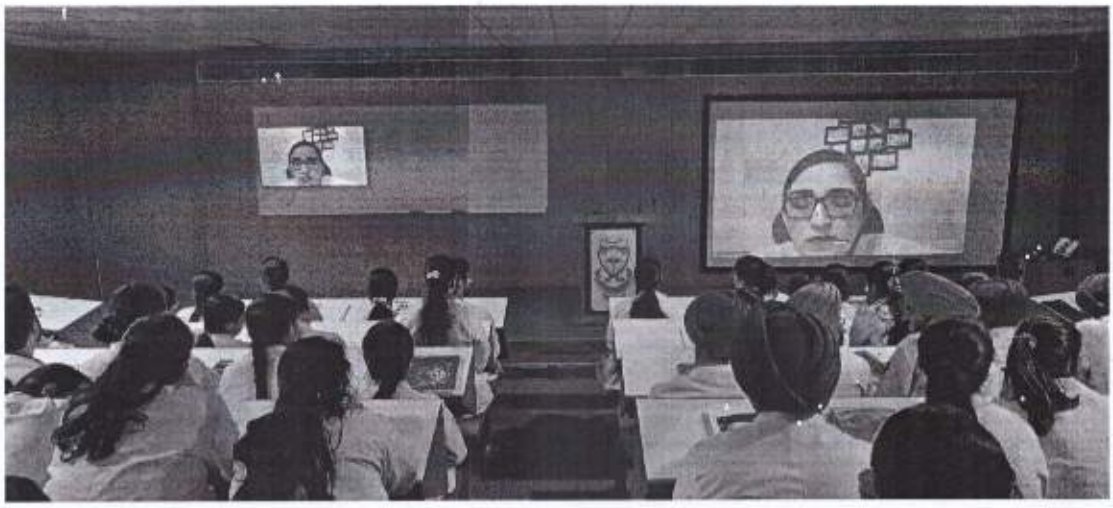
DR. SANJANA MAHESHWARI PRESENTED CPC ON "BLOOD DYSCRASIAS IN CHILDREN" HELD ON 11TH AUGUST 2026 AT DIRDS, FARIDKOT

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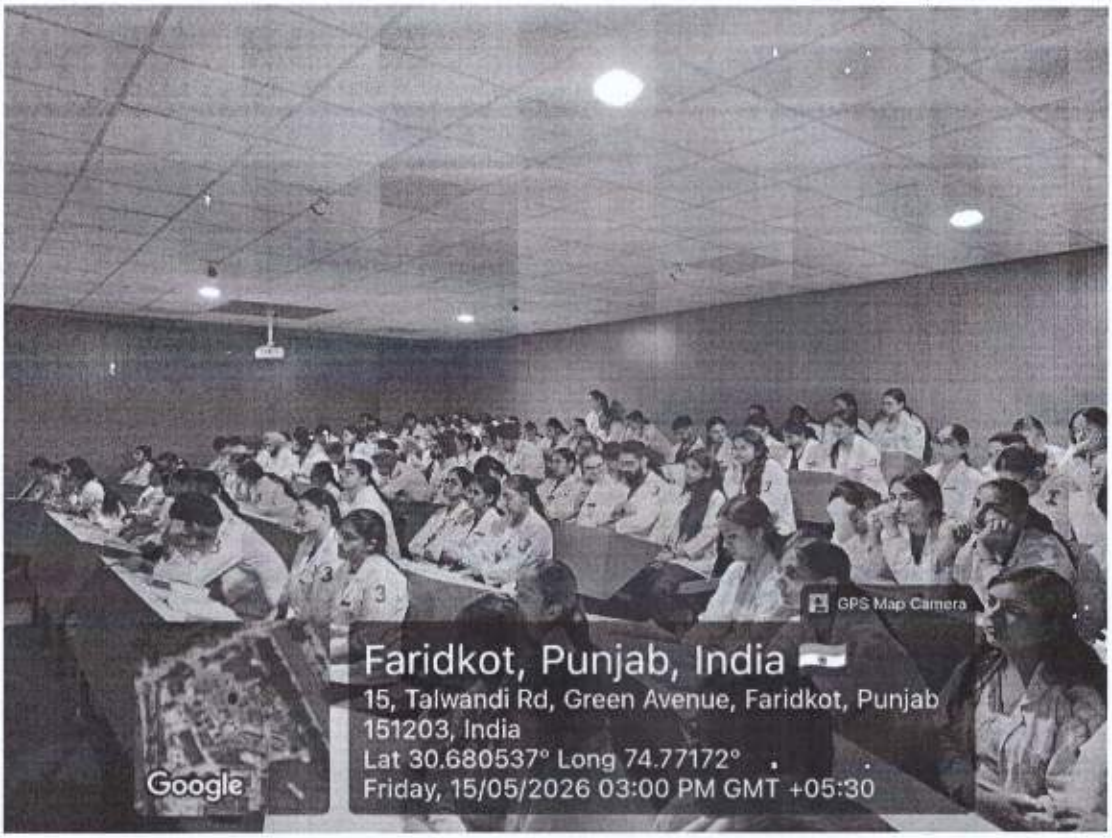
WEBINARS





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DR. MEENU BHOLA, DR. EKTA GAKHAR, DR. LOVEJEET AHUJA, DR. TARUNA, DR. SAMARPREET KAUR, DR. ARUNDEEP, DR. VANSH, DR. AANCHAL, DR. ASHITA GOYAL, DR. SHREYA, DR. AKASHDEEP SINGH, DR. AARZOO DOGRA, DR. NAVJOT SINGH, DR. SANJANA MAHESHWARI ORGANIZED & CONDUCTED WEBINAR ON THE TOPIC "MASTERING TOPICAL FLUORIDES: FROM THEORY TO CLINICAL PRACTICE" BY DR. NIRAPJEET KAUR HELD ON 15TH MAY 2026 AT DIRDS, FARIDKOT.

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YEAR	WEBINAR
2026	Dr. Meenu Bhola, Dr. Ekta Gakhar, Dr. Lovejeet Ahuja, Dr. Taruna, Dr. Samarpreet Kaur, Dr. Arundeep, Dr. Vansh, Dr. Aanchal, Dr. Ashita Goyal, Dr. Shreya, Dr. Akashdeep singh, Dr.Aarzoo Dogra, Dr. Navjot Singh, Dr. Sanjana Maheshwari organized & Conducted Webinar on the topic "Mastering Topical Fluorides: From theory to clinical practice" by Dr. Nirapjeet kaur held on 15th May 2026 at DIRDS, Faridkot. Dr. Meenu Bhola Dr. Samarpreet Kaur, Dr. Arundeep, Dr. Ashita Goyal, Dr. Shreya, Dr. Akashdeep singh, Dr.Aarzoo Dogra, Dr. Navjot Singh, Dr. Sanjana Maheshwari attended Webinar on "Oral health vs Systemic health" on 2nd April 2026 Dr. Meenu Bhola, Dr. Ekta Gakhar, Dr. Samarpreet Kaur, Dr. Arundeep, Dr. Vansh, Dr. Ashita Goyal, Dr. Shreya, Dr. Akashdeep singh, Dr.Aarzoo Dogra, Dr. Navjot Singh, Dr. Sanjana Maheshwari attended Webinar on "Airway Anatomy For Dentists beyond the oral cavity" held on 4th May 2026 at DIRDS, Faridkot.

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AWARDS/ ACHIEVEMENTS

YEAR	AWARDS/ ACHIEVEMENTS
2026	Awarded best poster presentation to Dr. Aarzoo Dogra for "Conscious sedation" at 2nd International Conference on Dental Sedation and Anaesthesia held on 10th -11th April 2026 at Saveetha Dental College, Chennai.
	Paper presented on the topic "comparison of cariostatic potential of silver nanoparticle infused and conventional pit and fissure sealants- A pilot study" by Dr. Akashdeep Singh on 47th ISPPD Conference on 21st -23rd September 2026.
	Paper presented on the topic "Comparative effect of fluoride-containing and CPP-ACP remineralizing agents on salivary bacterial counts and early caries lesions in preschool children" by Dr. Aarzoo Dogra" on 47th ISPPD Conference on 21st -23rd September 2026.
	Paper presented on the topic "Recent Advances in Root Canal Irrigants for Primary Teeth: A Narrative Review" on 47th ISPPD Conference on 21st -23rd September 2026.
	Paper presented on the topic "Current Evidence on the Remineralisation Potential of Self Assembling Peptides: a narrative review" on 47th ISPPD Conference on 21st -23rd September 2026.

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AWARDED BEST POSTER PRESENTATION TO DR. AARZOO DOGRA FOR "CONSCIOUS SEDATION" AT 2ND INTERNATIONAL CONFERENCE ON DENTAL SEDATION AND ANAESTHESIA HELD ON 10-11TH APRIL 2026 AT SAVEETHA DENTAL COLLEGE, CHENNAI



PAPER PRESENTED ON THE TOPIC "COMPARISON OF CARIOSTATIC POTENTIAL OF SILVER NANOPARTICLE INFUSED AND CONVENTIONAL PIT AND FISSURE SEALANTS- A PILOT STUDY" BY DR. AKASHDEEP SINGH ON 47TH ISPPD CONFERENCE ON 21-23RD SEPTEMBER 2026.

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PAPER PRESENTED ON THE TOPIC "COMPARATIVE EFFECT OF FLUORIDE-CONTAINING AND CPP-ACP REMINERALIZING AGENTS ON SALIVARY BACTERIAL COUNTS AND EARLY CARIES LESIONS IN PRESCHOOL CHILDREN" BY DR. AARZOO DOGRA" ON 47TH ISPPD CONFERENCE ON 21-23RD SEPTEMBER 2026.



PAPER PRESENTED ON THE TOPIC "CURRENT EVIDENCE ON THE REMINERALISATION POTENTIAL OF SELF ASSEMBLING PEPTIDES: A NARRATIVE REVIEW" BY Dr. NAVJOT SINGH ON 47TH ISPPD CONFERENCE ON 21-23RD SEPTEMBER 2026.

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PAPER PRESENTED ON THE TOPIC "RECENT ADVANCES IN ROOT CANAL IRRIGANTS FOR PRIMARY TEETH: A NARRATIVE REVIEW" BY Dr. SANJANA MAHESHWARI ON 47TH ISPPD CONFERENCE ON 21-23RD SEPTEMBER 2026.

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