

## **Dr Seema**

### **Paper Publications**

#### **National Publications**

- 1) Luthra Seema , Valiathan Ashima. Molar uprighting with T-Looped Springs – A Case Report J Ind Orthodontic Society 1998;31 no.III;61 – 82.
- 2) Luthra Seema , Valiathan Ashima. Ceramic Brackets & their Electrothermal Debonding : an in Vivo Evaluation. Jour Biomat. & Artificial Organs 1998; 12 No. 2 : 47 – 49.
- 3) Luthra Seema , Mishra Praveen , Valiathan Ashima. Evaluation of mandibular status in Class II malocclusion. J Int Col Dentists 1999; Vol 45; 7 – 10.
- 4) Grover Seema , Grover Somesh , Deepak Arora. Psychological Aspects of Orthodontic Treatment. J Int Orthod Soc 2001;34(3) ; 92 – 95.
- 5) Grover Seema , Valiathan Ashima. Kussick Orhtopedic Incline – an in vivo Evaluation. J Int Orthod Soc 2002 ; 35(1) ; 1 – 8.
- 6) Prabhakar M, Kapoor DN, Sidhu MS, Grover S, Dabas A. A Study of the dento – skeletal form oro – pharyngeal pattern and speech performance in persons with cleft lip / cleft palate. Journal of Cleft Lip Palate & Craniofacial Anomalies 2010;3;8-15.

- 7) Vikas Malik, Puneet Yadav, Seema Grover, Girish Chaudhary Non-extraction Orthodontic Treatment with Molar Distalization. Journal of Orofacial Research, April-June 2012;2(2):99-103
- 8) Vikas Malik, Seema Grover, Maninder Singh Sidhu, Puneet Yadav, Priti Chaudhary. Evaluation of Orthodontic Treatment Need and its Correlation with the Perception, Awareness and Satisfaction of Personal Dental Appearance among Dental Students. Journal of Orofacial Research, April-June 2013;3(1):5-11.
- 9) Soni S, Sidhu M.S, Grover S. Comparative evaluation of orthodontic tooth brush and water jet bleeding in patients with fixed orthodontic appliances. Journal of Pierre Fauchard Academy 2013;26:147-151.
- 10) Pulkit Lakhani, Seema Grover, Maninder Singh Sidhu, Vikas Malik, U.S. Krishana Nayak. Cistron: A Future Prospectus in Dental Treatment. Indian Dentist Research and Review June 2013
- 11) Puneet Yadav, Pushpa Vinay Hazarey, Seema Grover, Maninder Singh Sidhu, Vikas Malik. Evaluation and Comparison of color stability of various aesthetic brackets when exposed to various food dyes: An in vitro study. The journal of Indian Orthodontics Society, October-December 2013;47(4):382-389.
- 12) Grover S, Malik V, Kaushik A, Diwakar R, Yadav P. A Future perspective of Botox in Dentofacial region - J Pharm Biomed Sci 2014;04(06)525- 531.
- 13) Chaudhry A, Sidhu MS, Chaudhary G, Grover S, Prabhakar M, Malik V. Evaluation Of Stress Changes In Mandible With Twin Block Appliance -A Finite Element Study. BFUDJ 2014;5:13-20.

- 14) Satija A, Sidhu MS, Grover S, Malik V, Yadav P, Diwakar R. Evaluation of salivary and serum concentrations of Nickel and chromium ions in orthodontic patients and their possible influence on hepatic enzymes – an invivo study. J Ind Orthod Soc 2014;48(4):518-524.
- 15) Chaudhry G, Sidhu MS, Grover S, Chaudhary A. Cone Beam Computed Tomography Evaluation of Canine Retraction using Mini Implants and Conventional Anchorage . Jour Pierre F Acad 2014;28:35-42.
- 16) Kumar S, Tripathi T, Sidhu MS, Grover S, Diwakar R. Sphenoid Sinus as a mandibular growth predictor- is it valid. Ind J Dent Scien2015;7(1)54-55.
- 17) Puneet Chaudhary, Mahek Kapoor, Nishendu Yadav, Seema Grover. Cone beam Computed Tomography: A True Paradigm Shift. Indian Journal of Health Sciences and Care. 2015;2:65-71
- 18) Grover S, Sidhu MS, Prabhakar M, Dabas A, Malik V, Yadav P, Diwakar R, Kumar S. A comparative evaluation of two adhesive promoters on bonding of Orthodontic brackets to Fluorosed Enamel-an invivo study. Journal of Orofacial Research, 2015;1:5-11. \
- 19) Diwakar R, Sidhu MS, Prabhakar M, Grover S, Phogat R. Three dimensional evaluation of Pharyngeal airways in individuals with varying growth pattern using Cone beam computed tomography. J Indian Orthod Soc 2015;49: 85-88.
- 20) Phogat R, Sidhu MS , Grover S, Dabas A, Malik V, Diwakar R. Comparative evaluation of efficiency of serum IGF 1 , hand wrist radiographs and cervical vertebrae as skeletal maturity indicators. JIOS 2015 ;49:199-205.
- 21) Kaushik A,, Sidhu MS, Grover S , Kumar S, Comparative evaluation of intrusive effects of miniscrew, connecticut intrusion arch and utility intrusion arch-an in vivo study. J Pierre Fouchard Acad 2015;29:69-76.

- 22) Dogra N, Sidhu MS, Dabas A, Grover S, Gupta M. Cone beam computed tomography evaluation of dental, skeletal, and alveolar bone changes associated with bonded rapid maxillary expansion. *J Indian Orthod Soc* 2016;50:19-25.
- 23) Gupta M, Sidhu MS, Grover S, Dabas A, Dogra N, Prabhakar M. Prevalence of White spot lesions following Orthodontic treatment – An in vivo study. *IJHSC* 2016;3:130-135.
- 24) Dabas A, Dabas N, Sidhu MS, Prabhakar M, Grover S, Kumar S. White spot lesions : Fixed Orthodontic treatment scars – A Review. *IJHSC* 2016;3(2):85-95
- 25) Jhalani A, Sidhu MS, Grover S, Dabas A, Gupta G., Dogra N. Effects of 2 adhesion boosters on depth of penetration of orthodontic adhesives on fluorosed and normal enamel.: A Confocal microscopic study. *J Indian Orthod Soc* 2017;51:22-27.
- 26) Tanwar V, Sidhu MS, Grover S, Dabas A, Dogra N. A comparative evaluation of Canine retraction using periodontally accelerated osteogenic Orthodontics ( PAOO) and conventional mechanotherapy as assessed by CBCT. *J Contemp Orthod* 2017; 1: 20-27.
- 27) Chaudhary P, Sidhu MS, Grover S, Malik V, Dogra N. Evaluation of morphology of maxillary and mandibular alveolar bone in vertical and horizontal growers: A cone beam computed tomography study. *Manipal Journal of Dental Sciences* 2017;3:44-54.
- 28) Grover S, Grover S, Sidhu MS, Dogra N, Dabas A, Malik V. “Botox” Enhancing Orofacial Esthetics. *Heal Talk* 2018;10:37-38.
- 29) Grover S, Dabas N, Dabas A, Dogra N. Resin Bonded Prosthesis:- A Conservative Approach-Case Report
- 30) Correlation of Orthodontic Treatment Need with self esteem and awareness of children using sociodental approach- A Cross Sectional study. *IJHSC* 2018;5(3):91-99.
- 31) Kaur G., Sidhu MS., Grover S, Dabas A, Dogra N. Evaluation of tooth surface characteristics after application of intrusive orthodontic forces using scanning electron microscope- an In vivo study. *J Indian Orthod Soc* 2019;53:27-37.

- 32)Khushi A, et al. determination of apical root resorption during active orthodontic treatment: a 12 months radiographic study of maxillary and mandibular incisors. *IJHSC*2018;5(3):100-109.
- 33)Jhalani A. Microsensor chip- A new approach to improve compliance of removable appliances in Orthodontics. *IJHSC*2018;5(3):127-131.
- 34)Gupta E, Sidhu MS, Grover S , Dabas A Malik V , Dogra N .Measurement of perioral pressures at rest and its correlation with Dental parameters in Orthodontic patients with different occlusions . *J Clin Diag Research* 2019;13(6) : ZC13-ZC18
- 35)Grover S, Dogra N, Dabas A, Malik V. Correction of Class II Div 2 malocclusion using molar distalization-Case Report . *Heal Talk* 2019;65(11):30-31
- 36) Nindra J, Sidhu MS , Dogra N, Rao D , Grover S. Asymmetric skeletal open bite treated with unilateral saggital split osteotomy and tongue reduction .*J Clin Diag Research* 2019;13(7) : ZD01-ZD05

## **INTERNATIONAL PUBLICATIONS**

- 1) Grover S, Sidhu MS, Prabhakar M, Jena S, Soni S. Evaluation of fluoride varnish and its comparison with pumice prophylaxis using self-etching primer in orthodontic bonding-- an in vivo study. *Eur J Orthod.* 2012 Apr;34(2):198-201.
- 2) Chaudhary A., Sidhu MS, Chaudhry G, Grover S, Chaudhary N, Kaushik A. Evaluation of stress changes in the mandible with a fixed functional appliance: A finite element study Ludhiana, *Am J Orthod Dentofacial Orthop* 2015;147:226-34.
- 3) Diwakar R, Sidhu MS, Jain S,Grover S, Prabhakar M. Three-Dimensional Evaluation of Pharyngeal Airway in complete unilateral Cleft individuals and normally growing

individuals using Cone Beam Computed Tomography. Cleft Palate –Craniofac Journal 2015;52:346-52.

- 4) Yadav N, Sidhu MS, Grover S, Malik V, Dogra N. Evaluating and Comparing Periodontal and Microbial Parameters in Orthodontic Patients with Elastomeric Modules and Self Ligating Brackets-A PCR Study 2017;14:105-113.
- 5) Duhan P, Grover S, Sidhu MS, Malik V, Dogra N. Evaluation of malodour and its association with Periodontitis in Orthodontic patients. EC Dental Science 2018;17.4:274-285.

#### **CDE/CONFERENCES ATTENDED**

### **CDE PROGRAMMES/FDP/CONFERENCES ATTENDED**

<b>S.No</b>	<b>Year</b>	<b>Title of the professional development Programme attended</b>	<b>Date and Duration (from – to)</b>	<b>Venue</b>	<b>Purpose</b>
1.	2019	54 <sup>th</sup> Indian Orthodontic conference held in Bhubaneswar	22-24 <sup>th</sup> November	Bhubaneswar	Attended
2.	2019	54 <sup>th</sup> Indian Orthodontic conference held in Bhubaneswar	22-24 <sup>th</sup> November	Bhubaneswar	Presented paper
3.	2019	Zonal Orthodontic PG Convention	2-5 <sup>th</sup> September	Jamia Milia Islamia, New Delhi.	Session chaired
4.	2019	CDE on Pushing the Orthodontic envelope – a clinical perspective held in SGT University	5 <sup>th</sup> August	SGT University	Organised and attended
5.	2018	CDE on Class II correction simplified: Recent Advances, held in SGT University	14 <sup>th</sup> December	SGT University	Organised and attended

6.	201 8	Glimpse into dental implantology	11 December	SGT University	DELEGATE
7.	201 8	Workshop on advanced orthodontic appliances	01 Dec	GURGAON	Delegate
8.	201 8	7 <sup>th</sup> Insight into Orthodontic Post Graduate Examination	25 <sup>th</sup> March	Jamia Milia Islamia	Session chaired
9.	201 8	CDE cum Workshop on "Treatment of Complex Malocclusions using TADs, IZC and Buccal Shelf Screws" held in SGT University	14 <sup>th</sup> March	SGT University	Organised and attended
10	201 7	CDE on "Clinical Orthodontics-Back to Basics" held in SGT University	11 <sup>th</sup> December	SGT University	Organised and attended
11	201 7	52 <sup>nd</sup> Indian Orthodontic Conference	17-19 <sup>th</sup> November	Jaipur	Attended and presented paper
12	201 7	6 <sup>th</sup> Insight into Orthodontic Post Graduate Examination	29 <sup>th</sup> Jan	Jamia Milia Islamia	Chairperson Scientific Session
13	201 5	Role of Distraction Osteogenesis in facial deformity held in SGT University	16 <sup>th</sup> September	Sgt university	Delegate
14	201 4	Recent Advances in Clinical Dentistry	04 <sup>th</sup> May	JLN Auditorium AIIMS	Delegate
15	201 4	3 <sup>rd</sup> Insight into Orthodontic Post Graduate Examination	9 <sup>th</sup> January	Jamia Milia Islamia	Chairperson Scientific Session
16	201 3	Multispecialty Dentistry the way forward	21April	JLN Auditorium AIIMS	Delegate

17	201 2	8 <sup>th</sup> APOC 47 <sup>th</sup> IOC	02 Dec	The Ashok, New Delhi	Chairperson - Scientific Session
18	201 1	CDE on redefining goals in dentistry	5 <sup>th</sup> April	SGT	Organising Secretary
19	201 1	Redefining treatment goals in dentistry	4 <sup>th</sup> April	JLN Auditorium AIIMS	Organizing Secretary
20	201 1	64 <sup>th</sup> Indian Dental association	10 <sup>th</sup> -13 <sup>th</sup> April	Birla Auditorium, Jaipur	Delegate
21	201 0	Multispeciality Dentistry- The road ahead	21 <sup>st</sup> March	CDER, AIIMS	Delegate
22	201 0	Cleft Lip and Palate anomaly-The Orthodontic Perspective	15 <sup>th</sup> Oct	SGT University	Organizing Secretary
23	201 0	45 <sup>th</sup> Indian Orthodontic Conference	17 <sup>th</sup> -19 <sup>th</sup> Dec	Mangalore	Paper Presented
24	201 0	45 <sup>th</sup> Indian Orthodontic Conference	17 <sup>th</sup> -19 <sup>th</sup> Dec	Mangalore	Delegate



25	200 9	SAARC	3 <sup>rd</sup> – 4 <sup>th</sup> Aug	CDER, AIIMS	Chairman Scientific Session
26	200 9	44 <sup>th</sup> Indian Orthodontic Conference	5 <sup>th</sup> -8 <sup>th</sup> Nov	Hotel Ashok, Delhi	Chairman Scientific Session
27	200 8	CDE Basic Orthodontics	1 <sup>st</sup> Nov	SGT University	Organizing Secretary
28	200 8	43rd Indian Orthodontic Conference	19 <sup>th</sup> -21 <sup>st</sup> Dec	Mumbai	Delegate
29	200 8	Indian Dental Association CDE	27 <sup>th</sup> Sept	Gurgaon	Delegate
30	200 8	Infection control and Dental Treatment Protocols for PLWHA (People Living with HIV/AIDS)	9 <sup>th</sup> April	SGT University	Delegate
31	200 7	14 <sup>th</sup> National Conference of ICOI	29 <sup>th</sup> Nov-2 <sup>nd</sup> Dec.	Mumbai	Delegate
32	200 6	Micro (Screw) Implant Anchorage Course: Hands on Course	12 <sup>th</sup> Feb	India Habitat Centre, New Delhi	Participant
33	200 5	New Age Mantras for Orthodontic Efficiency and Success	20 <sup>th</sup> March	India Habitat Centre, New Delhi	Delegate
34	200 5	The Christensen Bottomline: Conducted by The Academy of LDS Dentists, USA	29 <sup>th</sup> March	Hotel Ashok, New Delhi	Delegate

### CDE ORGANISED BY DEPARTMENT

<b>Year</b>	<b>Title of the professional development Programme organized</b>	<b>Date and Duration (from – to)</b>
<b>2008</b>	<b>Basic Orthodontics</b> _was organized by Faculty of Dental Sciences, SGT University	1 <sup>st</sup> November
<b>2014</b>	FACE 2014 was held <b>for the first time in North India on. FACE (Forum for the Advancement of Craniofacial Esthetics) at SGT UNIVERSITY.</b>	27th,28th and 29th March
<b>2015</b>	<b>“Clinical pearls in orthodontics –An IBO Awareness Programme”</b> Faculty of Dental Sciences, SGT University on	19 <sup>th</sup> January
<b>2015</b>	Smile torch initiative programme	February 13
<b>2015</b>	Role of Distraction Osteogenesis in facial deformity held in SGT University	16 <sup>th</sup> September

<b>2015</b>	Workshop on Orthodontic techniques conducted by Prof. A.K Utreja, Chairman, OHSC , PGIMER, Chandigarh .	15 <sup>th</sup> December
<b>2016</b>	CDE on Treatment modalities in Cleft lip and palate held in SGT University	16 <sup>th</sup> Dec
<b>2017</b>	CDE on “Clinical Orthodontics-Back to Basics” held in SGT University	11 <sup>th</sup> Dec
<b>2017</b>	Workshop on “Aligners in Orthodontics” held in SGT University	14 <sup>th</sup> Dec
<b>2018</b>	CDE cum Workshop on“Treatment of Complex Malocclusions using TADs, IZC and Buccal Shelf Screws” held in SGT University	14 <sup>th</sup> March
<b>2018</b>	Workshop on “ 3 D Aligners in Orthodontics”	20 <sup>th</sup> July
<b>2018</b>	CDE on Class II correction simplified: Recent Advances, held in SGT University	14 <sup>th</sup> December
<b>2019</b>	CDE on Pushing the Orthodontic envelope – a clinical perspective held in SGT University	5 <sup>th</sup> August
<b>2019</b>	Orthodontist Day held in SGT University	4 <sup>th</sup> October
<b>2019</b>	Workshop by Dr. Nikhil Sharma on “3D-Ortho solutions”	8 <sup>th</sup> November

#### **Crisp Write up**

Dr. Seema Grover ( BDS, MDS, FAGE,FPFA) is a Renowned Orthodontist and Excellent Academician With 19 years and 6 months of Experience. She did he BDS from CODS Mangalore and MDS from CODS Manipal. At present she is working as a professor in SGT Dental College Gurgaon. She holds 42 paper publications in various national and international journals.

She was awarded BAJPAI – SAHA STUDENT AWARD for the best paper presented at the Tenth National Conference of society for Biomaterials and Artificial Organs (India) held in 1998 at Shree ChitraTriunal Institute for Medical Sciences and Technology , Trivandrum. In 2015, She received Dr. P. P Jacob award for best paper pulished in Journal of Indian Orthodontic Society at 50<sup>th</sup> Indian Orthodontic Conference held at Hyderabad in Dec 2015. She has special Academic interest in Cephalometrics and Biomechanical fields of Orthodontics along with latest research in Fluorosis.