

Pramod Sinha CV

Pramod K. Sinha, D.D.S., B.D.S., M.S.
Diplomate, American Board of Orthodontics
755 E. Holland Ave
Spokane, WA 99218
(509) 466 2666

EDUCATION :

University of Oklahoma Doctor of Dental Surgery (DDS) June 1995
College of Dentistry

Marquette University Master of Science (MS) 1991
School of Dentistry

Marquette University Certificate of Specialty in Orthodontics 1991
School of Dentistry

College of Dentistry Bachelor of Dental Surgery (BDS) 1986
Calcutta University

Journal Editorial Review Committees (Reviewer, Consultant and Editorial appointments)

1995 - present American Journal of Orthodontics and Dentofacial Orthopedics - Official Journal for the American Association of Orthodontics, its constituent societies and the American Board of Orthodontics

1995 - present Journal of the American Dental Association (JADA)
Official Journal for the American Dental Association, Journal and Book review sections.

1994 - 1997 Angle Orthodontist - Angle Orthodontist Research and Education foundation

2000 Guest editor for "Seminars in Orthodontics: Psychological issues related to orthodontic treatment and patient compliance, Semin Orthod 2000;6 ", Editor: Dr. L. Sadovsky, W.B. Saunders Company.

Current Academic Position:
Affiliate Professor,
Department of Orthodontics,
The University of Washington, Seattle

Washington State Dental Quality Assurance Commission
Department of Health
Commission Member (appointed July 2002)

Professional Memberships

2002 - College of Diplomates, American Board of Orthodontics
1998 - Spokane County Dental Society
1998 - Washinton State Dental Association
1998 - Pacific Coast Dental Society
1989 - American Association of Orthodontics
1989 - International Association for Dental Research
1989 - American Association for Dental Research
1989 - American Dental Association
1994 - American Association for Dental Schools
1995 - Oklahoma Dental Association
1995 - Hard Tissue Interest Group - OUHSC
1996 - Mineralized tissue group of the IADR
1996 - Craniofacial biology group of the IADR
1996 - World Federation of Orthodontists

Academic Positions

1999 - 2001 Clinical Professor Department of Orthodontics Center for Advanced Dental Education Saint Louis University Saint Louis, MO

1998 - 1999 Clinical Assistant Professor,

1993 - 1995 Dept. of Orthodontics and The Graduate College University of Oklahoma Health Sciences Center Oklahoma City, Oklahoma

1995 - 1998 Assistant Professor, Dept. of Orthodontics and the Graduate College University of Oklahoma Health Sciences Center Oklahoma City, Oklahoma

1991 - 1993 Visiting Assistant Professor,

Dept. of Orthodontics and The Graduate College University of Oklahoma Health Sciences Center Oklahoma City, Oklahoma

RESEARCH

PUBLICATIONS

Peer reviewed Articles published and accepted for Publication:

Sinha PK and Nanda RS: Improving patient compliance in orthodontic practice. Semin Orthod 2000;6:237 - 241.

Kim YE, Nanda RS and Sinha PK: Transitions of molar relationships in different skeletal growth patterns. Am J Orthod and Dentofac Orthop.,2002;121:280 - 290.

Fillimgim RB and Sinha PK : An introduction to psychological factors in orthodontic treatment: Theoretical and methodological issues. *Semin Orthod* 2000;6:209-213.

Brickman CD, Sinha PK and Nanda RS: Evaluation of the Jones jig appliance for distal molar movement. *Am J Orthod and Dentofac Orthop.*, 2000;118:526-534.

Villalobos FJ, Sinha PK and Nanda RS: Longitudinal Assessment of vertical and sagittal control in the mandibular arch by mandibular fixed lingual arch. *Am J Orthod and Dentofac Orthop.*, 2000; 118: 366-370.

DeBerardinis M, Stretesky T, Sinha PK and Nanda RS: Evaluation of the vertical holding appliance in treatment of high angle patients. *Am J Orthod and Dentofac Orthop.*, 2000;117: 700-705.

Webster MJ, Nanda RS, Duncanson MG, Jr., Khajotia SS and Sinha PK: The effect of Saliva on shear bond strengths of hydrophilic bonding systems. *Am J Orthod and Dentofac Orthop.*, 2001;119:54-58.

Sinha P.K. and Nanda R.S.: Management of impacted maxillary canines using mandibular anchorage. *Am J Orthod and Dentofac Orthop.*, 1999;115:254-257.

R. Kapur, P.K. Sinha and R. S. Nanda. Comparison of frictional resistance in titanium and stainless steel brackets., *Am. J. Orthod. Dentofac. Orthop.* 1999;116:271-74.

R. Kapur, P.K. Sinha and R. S. Nanda. Frictional resistance in orthodontic brackets with repeated use., *Am. J. Orthod. Dentofac. Orthop.* 1999;116:400-404.

R. Kapur, P.K. Sinha and R. S. Nanda. Comparison of load generation and frictional resistance between titanium and stainless steel brackets. *Am. J. Orthod. Dentofac. Orthop.*, 1999;116:275-78.

Sinha P.K. and Nanda R.S: Predicting patient compliance in orthodontic treatment, *Informationen Aus Orthodontie & Kieferorthopdie*, 30 JAHRG, 1998:683-688.

Sinha, P.K. , Nanda, R.S. and McNeil, D.W. : Perceived orthodontist behaviors that predict patient satisfaction, orthodontist-patient relationship.

Sinha P.K. and Nanda R.S.: The relationship between orthodontic tooth movement and root resorption in PGE2 and non-PGE2 treated sides.

Sinha, P.K. , Rohrer M.D., Nanda, R.S. and Brickman C.D. : Interlayer formation and its effect on debonding polycrystalline ceramic orthodontic brackets, *Am J Orthod and Dentofac Orthop*, 1995:108:455-463.

Sinha PK, Nanda RS, Duncanson MG, Jr., and Hosier MJ: Bond strengths and remnant adhesive on debonding for orthodontic bonding techniques.

Sinha P.K., Nanda R.S. and Ghosh J: A thermal cured fluoride releasing indirect bonding bonding system. *J Clin Orthod.*, 1995:29:97-100.

Sinha P.K., Nanda R.S., Ghosh J and E. Bazakidou: Uprighting fully impacted mandibular second molars, *J. Clin. Orthod.*, 1995, 29:31-36.

Sinha PK, Nanda RS, Duncanson MG Jr., and Hosier MJ: In vitro evaluation of matrix-bound fluoride-releasing orthodontic bonding adhesives., *Am. J. Orthod and Dentofac. Orthop.* 1997:111:276-282.

Sinha P.K. and Nanda R.S.: Esthetic orthodontic appliances and bonding concerns for adults. *Dent Clin of North Amer.* 1997:41:89-109.

Sinha P.K. and Nanda R.S.: The effect of different bonding and debonding techniques on debonding ceramic orthodontic brackets. *Am. J. Orthod and Dentofac. Orthop.* 1997:112:132-137.

Beightler B.G., Sinha P.K., Nanda R.S., Yamaguchi K: Blood flow changes in the periodontium during tooth movement. *Biological Mechanisms of tooth eruption, resorption and replacement by implants. and craniofacial adaptation*, 1997:545-556.

Cohlmia JT, Ghosh J, Sinha PK, Nanda RS and Currier GF: A Tomographic assessment of the temporomandibular joints in patients with malocclusion, *Angle Orthod* 1996:66:27-36.

Lieber B, Nanda RS, Currier GF, Howes RI, and Sinha PK: The effects of exogenous prostaglandins on orthodontic tooth movement in rats, *Am. J. Orthod and Dentofac. Orthop.* 1995, 108:380-388.

Aknin P, Nanda RS, Duncanson MG, Jr., Currier GF and Sinha PK: Fracture strength of ceramic brackets during archwire torsion, *Am. J. Orthod and Dentofac. Orthop.* 1996:109:22-27.

Boekenoogen DI, Sinha PK, Nanda RS, Ghosh J, Currier GF and Howes RI: The effects of exogenous prostaglandin E2 on root resorption in rats, *Am. J. Orthod and Dentofac. Orthop.* 1996:109:277-86.

Ogata RH, Nanda RS, Duncanson MG, Jr., Sinha PK and Currier GF: Effects of second order deflection on friction in stainless steel brackets during sliding mechanics. *Am. J. Orthod and Dentofac. Orthop.* 1996:109:535-42.

Bazakidou, E., Nanda, R.S., Duncanson, M.G. Jr., and Sinha P.K. . Evaluation of frictional resistance in esthetic brackets. *Am. J. Orthod. Dentofac. Orthop.* 1997:112:138-144.

M.D. Wilson, P.K. Sinha, and, H.S. Prasad: A quick and simple technique for making a diagnostic set-up, *J Clin Orthod.*, 1998:32:328-329.

T. Mehra, R. S. Nanda, and, P. K. Sinha: Orthodontists' assessment and management of patient compliance, *Angle Orthod* 1998;68:115-122.

D.D. Richter, R. S. Nanda, and, P. K. Sinha and D.W. Smith: Effect of behavior modification on patient compliance in orthodontics, *Angle Orthod* 1998;68:123-132.

Kapur R., Sinha P.K. and Nanda R.S.: The effect of a self-ligating bracket design on frictional resistance. *J Clin Orthod*, 1998:32:485-489.

In Preparation and Revision:

S. Anand, P.K. Sinha and R.S. Nanda. Effects of a synthetic bone graft on orthodontic tooth movement, *Am. J. Orthod. Dentofac. Orthop.*

Unruh M., Nanda R.S., Sinha P.K. and Currier G.F.: Ankylosis of primary molars and agenesis of premolars, *Am. J. Orthod. Dentofac. Orthop.*

Books

2001 Sinha P.K. and Nanda R.S.: Chapter 14, Fixed edgewise Orthodontic appliances and bonding techniques in - A textbook of Orthodontics, S.E. Bishara (Ed) pp 186-207, W.B. Saunders Company., Philadelphia, 2001.

1996 Sinha P.K. and Nanda R.S.: Chapter 23-B, Bonding in clinical orthodontics in Clark's Clinical Dentistry, J.F. Hardin (Ed): Vol 2. pp 1-12, Mosby-Year Book, Inc.,

Chicago,1996.

1991 Authored Ch. 12: Title: Developmental Biology; Title of the book–Craniofacial growth; Author: Dr. R.S. Nanda

1991 Masters thesis titled: “Conceptual standards in Orthodontic Care”

Book Reviews for JADA

Sinha P.K.: Orthodontic Cephalometric by Athanasios E. Athanasiou, Mosby–Wolfe, 1995. JADA 1995.

Sinha P.K.:Change your Smile by Ronald E. Goldstein, Quintessence Publishing Co. Inc, 1997, JADA, 1997:128:420.

Sinha P.K.: Illustrated Dental Embryology, Histology, and Anatomy
by Mary Bath–Balogh MS, and Margaret J. Fehrenbach RDH, MS.
W.B. Saunders Company, PA, 1997, JADA 1997::

Sinha P.K.:Controversy in Temporomandibular Disorders: Clinicians' Guide to Critical Thinking by Allen J. Moses. D.D.S. Futa Book Publishers, Chicago, Ill 1997, JADA 1997:128:834–835.

Sinha P.K.: Dentofacial orthopedics with functional appliances– Second Edition by Drs. T.M. Graber, T. Rakosi, and A.G. Petrovic, Mosby–Year Book Inc., JADA 1997:128:1372–74.

Sinha P.K.: Orthodontics with fixed appliances by Dr. Frans P. G. M. van der Linden, Quintessence Publishing Co., Ltd., 1997, JADA 1997.

Sinha P.K.: Orthodontic Management of the Dentition with the Preadjusted Appliance by Drs. John C. Bennett and Richard P. McLaughlin. ISIS Medical Media Ltd., 1997, JADA 1998.

Other

Sinha PK: Psychological issues related to orthodontic treatment and patient compliance– Introduction as Guest Editor, Semin Orthod 2000;6:207–208.

Sinha PK,: Special feature–University of Oklahoma Graduate Orthodontic Program, Journal of the South West Society of Orthodontics, 1995–1996:23:7–9.
Abstracts published

Sinha P.K. and Nanda R.S.The relationship between patient–parent satisfaction and orthodontic patient adherence, J Dent Res, 1996:75:362(Abstr # 2760).

Sinha P.K. , Nanda R.S. and Brickman C.D. : Effect of bonding and debonding techniques on orthodontic bracket debonding, J Dent Res, 1996:75:339(Abstr # 2570).

Sinha P.K., Rohrer M.D., Nanda R.S. and Arquitt G. : Evaluation of hard tissue sections of bonded and debonded teeth, J Dent Res, 1996:75:339, (Abstr # 2569).

Ghosh J, Sinha P.K., Nanda R.S., and Lloyd J. : Relationship between Mandibular skeletal Assymetry and Assymetry in condylar position, J Dent Res, 1996:75:439, (Abstr # 3372).

Sinha P.K. and Nanda R.S.; Perceived orthodontist behaviors that predict patient satisfaction, orthodontist–patient relationship, and patient compliance in orthodontic treatment.American Association of Orthodontists– Book of papers, 96th Annual Session, May 9–15, 1996, Vol# 4, page #45.

D.D. Richter, P. K. Sinha, R. S. Nanda, and G.F. Currier: Effect of behavior modification on patient compliance in orthodontics,American Association of Orthodontists– Book of papers, 96th Annual Session, May 9–15, 1996, Vol# 4, page # 38.

Sinha, P.K. , Rohrer M.D., Nanda, R.S. and Brickman C.D. : Interlayer formation and its effect on debonding polycrystalline ceramic orthodontic brackets. J Dent Res, 1995:74: 537(Abstr # 1093).

Sinha, P.K. , Nanda, R.S. and McNeil, D.W. : Orthodontist behaviors that predict patient relationship, satisfaction and compliance. J Dent Res., 1995:74:112(Abstr # 805).

Sinha P.K., Hosier M, Nanda R.S., and Duncanson M.G., Jr.: In vitro evaluation of matrix bound fluoride releasing orthodontic adhesives, J Dent Res.1995:74:188(Abstr # 1412).

Boekenoogen DI, Sinha PK, Howes RI, Ghosh J, and Nanda RS : The effects of exogenous prostaglandin E2 on root resorption in rats. J Dent Res, 1995:74: 517(Abstr # 931).

Brickman, C.D., Sinha, P.K., Nanda R.S.and Duncanson M.G. Jr.:Evaluation of conventional methods to debond monocrystalline ceramic orthodontic brackets. J Dent Res., 1995:74:180(Abstr # 1345).

Cohlmiia JT, Nanda RS, Ghosh J, and Sinha PK: A Tomographic assessment of the temporomandibular joints in patients with malocclusion. J Dent Res, 1995:74: 584(Abstr # 1466).

Lieker B, Nanda RS, Currier GF, Howes RI, and Sinha PK: The effects of exogenous prostaglandins on orthodontic tooth movement in rats. J Dent Res.1994:73:195(Abstr # 747).

D. Freet, P.K. Sinha, P. M. Mullasseril, M.G. Duncanson, Jr and R.S. Nanda. Evaluation of primers in bonding orthodontic attachments to gold crowns. J Dent Res.1997:76:415(Abstr # 3215).

P.K. Sinha, R.S. Nanda, C.D. Brickman and B. Joe. A comparison of different bonding techniques for plastic brackets. J Dent Res.1997:76:415(Abstr # 3214).

R. Moss, P.K. Sinha, P. M. Mullasseril, MG Duncanson Jr and R.S. Nanda. Evaluation of primers in bonding orthodontic attachments to porcelain crowns. J Dent Res.1997:76:415(Abstr # 3216).

P.K. Sinha and R.S. Nanda. Prediction and modification of patient compliance in orthodontic treatment. J Dent Res.1997:76:18(Abstr #33).

R. Kapur, R.S. Nanda, and P.K. Sinha . Evaluation of Frictional and Torsional Resistance in Titanium and Stainless Steel Brackets. J Dent Res.1997:76:(Abstr #3103).

M. Webster, P.K. Sinha, J. Ghosh and R.S. Nanda: Condylar morphology changes with orthodontic treatment. J Dent Res.1997:76:247(Abstr #1869).

J. Lai , J. Ghosh, P.K. Sinha and R.S. Nanda: Orthodontic Treatment Changes in Long and Short Face Patients. J Dent Res.1997:76:126(Abstr #899).

Sinha P.K. and Nanda R.S.: Predictable debonding of ceramic and metal orthodontic brackets. American Association of Orthodontists– Book of papers, 97th Annual Session, May 3–7, 1997, Vol# 5, page #37.

J. Ghosh, J.L. Grimsley, P.K. Sinha and R.S. Nanda: A Finite Element Analysis of Ceramic Bracket Debonding. J Dent Res.1997:76:380(Abstr #2929).

K. Duffy, Sinha P.K. , Ghosh J. and Nanda R.S.: Two–year post–orthodontic retention study of impacted maxillary canines. J Dent Res.1998:77:148(Abstr #344).

Tarter M, Sinha P.K. and Nanda R.S. : Prediction of Patient Compliance in Orthodontic Treatment. J Dent Res.1998:77:186(Abstr #643).

Gosset C, Ghosh J. and Sinha P.K. : Third Molar Eruption in Extraction vs. Nonextraction Orthodontic Therapy. J Dent Res.1998:77:148(Abstr #342).

Boren B, Sinha P.K., Ghosh J, and Nanda R.S. : The effect of Lateral incisor dimension on maxillary canine impactions. J Dent Res.1998:77:150(Abstr #358).

Shannon K, Sinha P.K. and Ghosh J : An Evaluation of congenitally missing teeth in a preorthodontic population. J Dent Res.1998:77:150(Abstr #354).

Cain L, Ghosh J, Sinha P.K. and Smith K: The effect of premolar extraction on Third molar position. J Dent Res.1998:77:148(Abstr #343).

Gosset C, Sinha P.K. and Ghosh J.: Effects of different treatment modalities on third molar occlusion. J Dent Res.1998:77B:756(Abstr #999).

Boren B., Sinha P.K., and Nanda R.S. : Patient characteristics predictive of maxillary canine impactions. J Dent Res.1998:77B:756(Abstr #1000).

M. Deberadenis, R.S. Nanda, P.K. Sinha, and T. Stretesky. Vertical control of High–Angle patients with a modified transpalatal arch. J Dent Res.1999:78:197(Abstr #730).

R. Kapur, Sinha P.K., and Nanda R.S.. Comparison of load generation and bracket deformation between titanium and stainless steel brackets. J Dent Res.1999:78:113(Abstr #60).

P.K. Sinha*, C.D. Brickman and R.S. Nanda. Comparison of two maxillary molar distalization techniques in orthodontic practice. J Dent Res.1999:78:199(Abstr #750).
Presentations at meetings (by invitations only)

Annual American Association of Orthodontists meeting at San Francisco, USA, 105th Annual AAO Session, May 2–6, 2005

Sociedad Peruana De Ortodoncia, Annual meeting Lima–Peru, April 1 & 2, 2005.

Jordanian Orthodontic Society, Annual Meeting, TheDead Sea, Jordan, March 2005.

Annual American Association of Orthodontists meeting at Honolulu, Hawaii, USA, 103rd Annual AAO Session, May 2–6, 2003

Marquette Orthodontic Alumni Association, November 1& 2, 2002: Class II non–extraction Treatment–Facts and Fiction

Contemporary Orthodontic Concepts: Asociacion de Ortodoncistas de Guatemala, Guatemala City, Guatemala, February 1– 2, 2002

Annual American Association of Orthodontists meeting at Toronto, Ontario, Canada, 101st Annual AAO Session, May 4–8, 2001

Doctor’s Session : Hyper–efficient non–extraction class II treatment.

Staff Meeting: The patient’s perception of their orthodontic visit

Curso de Ortodoncia (Two day Orthodontic course) organised by the Academia Mexicana de Ortodoncia, A.C., and the Universidad Latinoamerica, Mexico City, Mexico November 23–24 2001

Extraction versus non–extraction Class II treatment, (One day Course) organised by the Colegio de Dentitas de Chile, Regional Valparaíso at Viña del Mar–Chile, September 1, 2001.

Enfoque moderno de tratamiento en ortodoncia, (Two day) course organised by the Sociedad Peruana De Ortodoncia, Lima–Peru, January 2001.

Annual American Association of Orthodontists meeting at Chicago, 100th Annual AAO Session, 5th International Orthodontic Congress and the 2nd meeting of the World Federation of Orthodontists, April 28–May 3, 2000

Doctor’s Session 1: Effective management of patient non–compliance in contemporary practice

Staff Meeting: The patient’s perception of their orthodontic visit

IADR–Vancouver, 1998: Comparison of two maxillary molar distalization techniques in orthodontic practice.

Invited speaker at the Annual American Association of Orthodontists meeting at San Diego, 99th Annual Session, May 14–18, 1999–Doctor’s Session

Doctor’s Session: Improving patient compliance in orthodontic practice

Staff Meeting: Improving patient compliance in orthodontic practice

Invited speaker at the Annual American Association of Orthodontists meeting at Dallas Texas, 98th Annual Session, May 1998

Doctor’s Session: Successful techniques in creating compliant orthodontic patients

Invited speaker at the Comanche County Dental Society– Great Plains Vo Tech– Lawton, Oklahoma, April 16, Bldg # 300.

Topic: Early Treatment in Contemporary Orthodontic Practice

Invited speaker at the Second international conference on Biological Mechanisms of tooth eruption, resorption , and replacement by implants– Toledo, Spain sponsored by the Harvard School of Dental Medicine and supported by the National Institute of Dental Research, NIH and the Harvard Society for the advancement of Orthodontics– October 22–24, 1997.

Topic: A longitudinal study of Blood flow changes during orthodontic retraction of permanent canines.

American Association of Orthodontists– Philadelphia, May 5–7, 1997

Topic: “Predictable debonding of ceramic and metal orthodontic brackets”.

Oklahoma University College of Dentistry Research Presentation, March 26 1997. Topic: ” Temporomandibular joint disorders and their relationship to orthodontic

treatment”.

International Association of Dental Research meeting– Orlando, March 19–23, 1997. Topic: “Prediction and modification of patient compliance in orthodontic treatment”.

American Association of Orthodontists– Denver, May 9–15, 1996

Topic: “Perceived orthodontist behaviors that predict patient satisfaction, orthodontist–patient relationship, and patient compliance in orthodontic treatment.”

International Association of Dental Research meeting– San Francisco, March 13– March 17, 1996. Topic: “The relationship between patient–parent satisfaction and orthodontic patient adherence.”

Biological Mechanisms of tooth movement and craniofacial adaptation– Danvers, Massachusetts, sponsored by the Harvard School of Dental Medicine and supported by the National Institute of Dental Research, NIH and the Harvard Society for the advancement of Orthodontics– October 19–22, 1995.

Topic: “The relationship between orthodontic tooth movement and root resorption in PGE2 and non-PGE2 treated sides in a rat model.”

Combined meeting of the Southwestern and Midwestern societies of Orthodontists– Kansas City, October 5–9, 1995.

1) Topic: “Orthodontist behaviors that predict patient relationship, satisfaction and compliance”.

2) Topic: “Evaluation of conventional methods to debond monocrySTALLINE ceramic orthodontic brackets”

International Association of Dental Research meeting– Singapore, June 28– July 1 , 1995. Topic: “Interlayer formation and its effect on debonding polycrystalline ceramic orthodontic brackets”.

Oklahoma University College of Dentistry Research day 1995. Topic: “Doctor–patient Relationship– Perceived orthodontist behaviors that predict patient satisfaction, orthodontist–patient relationship, and patient compliance in orthodontic treatment.”

American Association for Dental Research meeting–San Antonio, March

1995. Topic: “Orthodontist behaviors that predict patient relationship, satisfaction and compliance”.

Anatomy Seminars Oklahoma University Anatomy Department– December, 1, 1994. Topic: “Effects of local administration of prostaglandins in orthodontic tooth movement”.

International Association for Dental Research meeting– Seattle, March 11, 1994. Topic: “The effects of exogenous prostaglandins on orthodontic tooth movement in rats.”

Southwestern society of Orthodontists meeting–Fort Worth, 1993.

Topic: Bond strengths and adhesive remnant index scores for orthodontic bonding techniques.

CLINICAL WORK

1998–present Private practice in orthodontics in Spokane, WA

1995–98 Private practice in orthodontics in Oklahoma City

1992–1993 Supervision of orthodontic resident clinics in the Dept. of 1995–98 Orthodontics, the University of Oklahoma Health Sciences Center

1993–98 Supervision of predoctoral orthodontic clinics in the Dept. of Orthodontics, the University of Oklahoma Health Sciences Center . (Course director for Senior Clinics)

1991–93 Clinical work in the Dept. of Orthodontics, the University of Oklahoma Health Sciences Center

1987–89 Private Practice in Calcutta

DENTAL LICENSURE AND BOARD EXAMS

2002 American Board of Orthodontics Certification

1998 Washington State Dental License

1997– Oklahoma Specialty License–Orthodontics

1995– State of Oklahoma Dental License

1995– Western Regional Examining Board

1986– West Bengal State, India

Post–Graduate Courses and Training

1992 – Participated in the advanced Orthodontics course conducted by the Charles H. Tweed Foundation for Orthodontic Research, Tucson, Arizona.

1987–1989– December 1987 to January 1989 Non–Resident Stipendiary Doctor–at the Calcutta Medical Research Institute.

1986–1987– House Job, College of Dentistry, Calcutta University.

Additional Graduate Courses Completed at the University of Oklahoma Health Sciences Center:

1. 1991– “Care and Use of Research Animals” (3 semester hours).

2. 1995– “Macromolecules” (3 semester hours).

3. 1996– “Molecular Pathology” (3 semester hours).

4. 1996– “Principles of Epidemiology” (3 semester hours).

5. 1997– “Biostatistics– Methods One” (3 semester hours).

6. 1997– “Health Care Delivery Systems” (3 semester hours).

Awards and Grants:

A. Extramural

1996 The effects of Perioglas on root surfaces during orthodontic tooth movement and the dynamics of bone modelling and remodelling in relation to the rate of tooth movement in primates- Co-PI, Credit: 50%.

Sponsor: US Biomaterials, Direct Costs: \$22,848/-, Indirect Costs: \$10,970/- Total: \$33,818/- . Contract # C8187701.

1995 American Association for Dental Research(AADR) travel grant supported by the National Institute of Dental research (NIDR), (\$ 2,369).

1994 Foundation for Orthodontic Research for project entitled "The Dose Dependent Effects of Exogenous Prostaglandin E2 on Orthodontic Tooth Movement in Rats; a Histomorphometric Analysis of Root Resorption", \$3,000.

1994 Foundation for Orthodontic Research for project entitled "Position of Mandibular Condyles in Pretreatment Orthodontic Patients as Measured from Corrected Tomograms in Varying Skeletal and Occlusal Relationships," \$1,000.

1994 Foundation for Orthodontic Research for project entitled "A Comparison of Solid and Multistranded Nickel-Titanium and Stainless Steel Orthodontic Archwires in Free-End and Fixed-End 3-Point Bending," \$800.

1994 Foundation for Orthodontic Research for project entitled "Frictional Forces Generated by Multiple Brackets Tested with Stainless Steel Orthodontic Wire Undergoing Second Order Deflection", \$877.

1992 Foundation for Orthodontic Research for project entitled "The Effects of Exogenous Prostaglandin Applied Locally During Active and Retentive Phases of Orthodontic Treatment in Rats", \$5,000.

B. Intramural

1994 In vitro evaluation of bond strength and surface alterations of porcelain veneers and cast gold surfaces during bonding and debonding orthodontic attachments: P.I. - Funded by the College of Dentistry, University of Oklahoma. (\$ 3639.69)

1993 An In Vitro evaluation of Iatrogenic damage to enamel during debonding ceramic and metal orthodontic brackets: P.I.- Funded by the College of Dentistry, University of Oklahoma. (\$ 3,000.00)

1992 Health Beliefs Rapport and Compliance in Orthodontics- Co-P.I.-Funded by the College of Dentistry, University of Oklahoma. (\$ 3,000.00)

1992 A comprehensive study of bonding techniques and bonding materials used in clinical orthodontics- P.I. Funded by the J Dean Robertson Society (\$ 3,000.00)

C. Submitted

1995 The American Association of Orthodontists Foundation (AAOF)

Title : Evaluation of methods to improve patient compliance in orthodontic treatment.

THESIS COMMITTEES

Advisor, Master of Science Degree, St. Louis University

2000 Dr. Prinda L, Dr. Sandra Lee, Dr. Edward Davis and Dr. Maria Guitierrez

1999 Dr. Jim Caskey, Dr. Gerald W. Huerter,
Dr. Dionysia G. Georgeakopoulou

Advisor, Master of Science Degree, University of Oklahoma

1999 Dr. Mark Webster

1999 Dr. Anand Patel

1999 Dr. Francisco Villalobos

1998 Dr. David Brickman

1998 Dr. Marc Debaradenis

1998 Dr. Kim Young

1997 Dr. Mark Unruh: Ankylosis of primary molars and their association with agenesis of premolars.

1997 Dr. Sanjay Anand: Effects of a synthetic bone graft on orthodontic tooth movement

1997 Dr. Rupali Kapur: Frictional and torsional resistance in titanium brackets.

1997 Dr. Noel Reed: Comparison of Treatment Outcomes with Bnaded and Bonded RPE appliances.

1997 Dr. Arndt Klocke:

1996 Dr. Barbara Beightler: Blood flow changes during orthodontic retraction of permanent canines.

1996 Dr. Scott O'Donnel: Perioral forces and dental changes resulting from mandibular lip bumper treatment.

1995 Dr. David Richter: Effect of behavior modification on adherence in orthodontics.

1995 Dr. Tarun Mehra: Orthodontists' assessment and mangement of patient adherence.

1995 Dr. Eleni Bazakidou: Evaluation of frictional resistance in esthetic brackets.

1994 Jeff Cohlmia. A Tomographic assessment of the temporomandibular joints in patients with malocclusion.

1994 Daryl Boekenoogen. The effects of exogenous PGE2 on root resorption in rats.

1994 Randall Ogata. Effect of second order deflection on kinetic friction during sliding mechanics.

1993 Philippe Aknin. Fracture strength of ceramic brackets during archwire torsion.

1993 Brad Leiker. The effects of exogenous prostaglandins on orthodontic tooth movement in rats.

Research Projects with predoctoral dental students:

1997–98 Boren B: The effect of Lateral incisor dimension on maxillary canine impactions.

1997–98 Gosset C: Third Molar Eruption in Extraction vs. Nonextraction Orthodontic Therapy.

1997–98 K. Duffy: Two–year post–orthodontic retention study of impacted maxillary canines.

1997–98 Tarter M: Prediction of Patient Compliance in Orthodontic Treatment.

1997–98 Shannon K : An Evaluation of congenitally missing teeth in a preorthodontic population.

1997–98 Cain L: The effect of premolar extraction on Third molar position.

1996 Mark Webster: Condylar morphology changes with orthodontics

1996 Brandon Joe: Bonding plastic orthodontic brackets

1996 Marcia Tartar: State–Trait Anxiety in relation to orthodontics.

1996 David Freet: Resin adhesion to gold surfaces

1996 Joe Lai: Treatment Changes in Long and Short Face Patients

1996 Randal Moss: Resin adhesion to porcelain surfaces

1993–95 David Brickman: Aged composites and debonding

1994–95 Jon Lloyd: Mandibular skeletal and condylar position Assymetry.

1995 George Arquitt: Interlayer formation with aged composites

1992–93 Micheal Hosier: A study of aged composite strengths

RESEARCH PROJECTS IN PROGRESS

The effects of Perioglas on root surfaces during orthodontic tooth movement and the dynamics of bone modeling and remodeling in relation to the rate of tooth movement in primates

Relationship between Mandibular skeletal Asymmetry and Asymmetry in condylar position

Mandibular condylar morphology and its relationship with different malocclusions and orthodontic treatment.

Health Beliefs Rapport and Compliance in Orthodontics

EDUCATIONAL RESPONSIBILITIES

TEACHING EXPERIENCE AT THE UNIVERSITY OF OKLAHOMA 1991 TO DATE

PRE–DOCTORAL

Preclinical Orthodontics (Ortho #8653)

60 clock hours with sophomore dental students.

COURSE DIRECTOR–1993–1998

Orthodontic Diagnosis (Ortho #8654)

24 clock hours with sophomore dental students.

COURSE DIRECTOR–1993–1998

Clinical Orthodontics IV (Ortho #9657)

23 clock hours with Senior dental students.

COURSE DIRECTOR–1995–1998

Clinical Orthodontics V (Ortho #9658)

22 clock hours with Senior dental students.

COURSE DIRECTOR–1995–1998

Clinical Orthodontics I (Ortho #9652)–(1993–1995)

45 clock hours with junior dental students.

Craniofacial growth and development (Ortho #8651)

freshmen dental students

COURSE DIRECTOR–1993–94

Lectures

Craniofacial growth and development (Ortho #8651)

freshmen dental students–1994–1998

GRADUATE STUDIES IN ORTHODONTICS 1991 TO DATE

Advanced Orthodontic Techniques (Orth #5551)

COURSE DIRECTOR–1991–1992, 1995–1998

Biomechanics (Orth #5732)
COURSE DIRECTOR-1991-1992, 1995-1998

Orthodontic Management of Patients with cleft lip and Palate (Orth #5532)
COURSE DIRECTOR-1991-1992.
Seminars in Dentistry: Orthodontic Diagnosis and Treatment Planning (Ortho #5970)
COURSE DIRECTOR-1995-1998

Orthodontics Techniques (Ortho #5531).
COURSE DIRECTOR-1991-1992.

Roentgenographic Cephalometry (Ortho #5581)
COURSE DIRECTOR-1991-1992.

Surgical Orthodontics (Orth #5762)
Lectures-1993-1998

Clinical Practice (Orth #5940)

Craniofacial Growth (Ortho #5701)
COURSE DIRECTOR-1991-1992.

Properties of Dental Materials used in Orthodontics (Orth#5541)
Lecture-1995-present

Research Methods in Dentistry, (Orth #5950)

Special Studies in Dentistry (Orth #5990)

Directed Readings in Dentistry (Orth # 5960)
COURSE DIRECTOR-1992-93, 1995-1998

PUBLIC AND PROFESSIONAL SERVICE

Department of Orthodontics

1991-1998 Orthodontic program admissions committee

College of Dentistry

1995-97 Curriculum committee

1995-1998 Appeals Board

1996-97 Faculty practice advisory council

1995-1998 Member, Periodic review committee-senior dental class

1993-1998 Member, Periodic review committee-sophomore dental class

1992-1993 Member, Periodic review committee-freshman dental class

Health Sciences Center and the University of Oklahoma

1995-1998 Member, OUHSC Graduate College Graduate faculty Appointments committee

1996 Judge for the Graduate Education research Day, April 25th and 26th.

1997 Judge for the Graduate Education research Day, April 17th
National

1997 Council Member, 1997 American Association for Dental Research Meeting, (IADR), Orlando, Florida.

1996 Recorder, 1996 Orthodontic Educators Conference, sponsored by the Council of Education, American Association of Orthodontists, AAO Annual Session, Denver, May 10.

International

1996 Session co-chairperson, International Association for Dental Research Meeting, (IADR), San Francisco, 1996.

1995 Session co-chairperson, International Association for Dental Research Meeting, (IADR), Singapore, 1995.

Community

1988-1989 Elected, Chairman of the Polio-Plus Immunization task force for the Rotary Club of Calcutta, Mid-West, for 1988- 1989.

1988-1989 Worked in the free Rural and Urban Dental Clinics conducted by the Rotary Club of Calcutta, Mid-West.