

## Curriculum Vitae

**Stacey Dagmar Quo**

Position: Clinical Professor – Vol  
 Department of Orofacial Sciences  
 Department of Preventive and Restorative Dentistry  
 School of Dentistry

Campus  
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Private Practice  
 1997-now Mid Peninsula Orthodontics  
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**EDUCATION:**

1983-1987	Northwestern University, Evanston, IL B.S.	Biomedical Engineering
1987-1991	UCSF, San Francisco, CA	DDS
1991-1994	UCSF, San Francisco, CA	M.S. Oral Biology
1991-1994	UCSF, San Francisco, CA	Certificate Orthodontics

**LICENSES, CERTIFICATION:**

1991 Dental licensure, California

**PRINCIPAL POSITIONS HELD:**

1992-94	University of California, San Francisco	Lecturer	Dentistry
1994-2003	University of California, San Francisco	Assistant Clinical Professor	Dentistry
2003-2009	University of California, San Francisco	Associate Clinical Professor	Dentistry
2009- now	University of California, San Francisco	Clinical Professor	Dentistry

**OTHER POSITIONS HELD CONCURRENTLY:**

1999-2009	Stanford University	Lecturer	Medicine
2009-now	Stanford University	Adjunct Asst Clinical Professor	Medicine

**HONORS & AWARDS:**

1988-91 Dean's List  
 1989 California Dental Association Scholar  
 1989, 1990 Fleming Scholar  
 1990 National Dean's List  
 1991 Quintessence Award for Research Achievement  
 1991 Academy of Dental Materials award for Clinical Excellence.  
 1996 San Mateo County Dental Society President's Award for Service  
 2017 Pierre Fauchard Academy

**KEYWORDS/AREAS OF INTEREST:**

Dental materials, multi-disciplinary orthodontics, biomechanics, cleft lip and palate, sleep disordered breathing

**PROFESSIONAL ACTIVITIES:**

CLINICAL

- 1994-1997 Associate orthodontist, San Mateo, CA, Los Altos, CA, Milpitas, CA
- 1997- now Private Practice limited to orthodontics, Palo Alto, CA.
- 1999- now Consulting Orthodontist at the Stanford Sleep Clinic, Pediatric Service
- 1995- 1999 Team Orthodontist for Rotaplast, treating cleft lip and palate patients in South America
- 2015-2016 Co-Course Director, UCSF Sleep Apnea Series
- 2016- now Lecturer, UOP Dental Sleep Medicine Mini-Residency
- 2016- now Co-Course Director, UCSF Dental Sleep Medicine Mini-Residency

**PROFESSIONAL ORGANIZATIONS**

**MEMBERSHIPS:**

- 2007- now American Academy of Sleep Medicine
- 2007- now Association of Professional Sleep Societies
- 1991- now American Association of Orthodontists
- 1987- now American Dental Association
- 2007- now Academy of Sleep Dental Medicine
- 1987- now California Dental Association
- 1997- now Mid Peninsula Dental Society
- 1991- now Pacific Coast Society of Orthodontists
- 1997- now Palo Alto Chamber of Commerce
- 2004- now Northern California Association for Dental Research
- 2001- 05,09 Seattle Study Club – Palo Alto Chapter, Orthodontic Consultant
- 1995 UCSF Women’s Faculty Association
- 1987-1994 American Association for Dental Research
- 1987-1991 American Association of Women Dentists (UCSF Chapter President,1991)
- 1983-1987, 06 Society of Women Engineers

**INVITED PRESENTATIONS:**

**International:**

- 1991 “SEM Evaluation of Debonded Bracket Surfaces”, International Association for Dental Research Annual Meeting, Acapulco, Mexico.
- 1995 Cleft Palate Treatment, La Serena, Chile
- 1995 “Biomechanics in Treatment Planning”, University of Hong Kong
- 1995 “Mechanical and Structural Characterization of NiTi Orthodontic Wires”, International Association for Dental Research Annual Meeting, Singapore.
- 1996 Cleft Palate Treatment, La Serena, Chile
- 1997 Cleft Palate Treatment, Mendoza, Argentina
- 1998 Cleft Palate Treatment, Venezuela
- 2003 “Orthodontics and Sleep Disordered Breathing in Children”, 3<sup>rd</sup> World Congress on Sleep Apnea. Helsinki, Finland
- 2006 “Orthodontic and Surgical Management of Sleep Disordered Breathing”, 4<sup>th</sup> World Congress on Sleep Apnea. Montreal, Canada.

- 2009 “Orthodontic Treatment for pediatric sleep disordered breathing.” Shin Kong Hospital, Taipei, Taiwan
- 2009 “Overview & treatment of Sleep Apnea.” Shin Kong Hospital Grand Rounds, Taipei, Taiwan
- 2009 “Orthodontic Review of Pediatric SDB” 9<sup>th</sup> World Congress on Sleep Apnea, Seoul, Korea
- 2011 “Stanford Sleep Clinic Pediatric Treatment Perspective” World Association of Sleep Medicine, Quebec, Canada
- 2013 “Recognition of Children and Young Adults with Sleep Disordered Breathing in Dental Medicine” World Association of Sleep Medicine, Valencia, Spain
- 2016 “Maxillary Protraction to Increase Midface Dimensions” International Pediatric Sleep Association, Taipei, Taiwan
- 2017 “Bimaxillary Expansion to Enlarge the Nasal Cavity” International Sleep Surgical Society, USC, Los Angeles, CA

**National:**

- 1990 “Deteriorated Amalgam Microstructures”, International Association Dental Research Annual Meeting, Cincinnati, OH.
- 1990 “Cutting Efficiency & Durability of Carbide and Diamond Burs.” Table Clinic, Chicago Dental Society Midwinter Meeting.
- 1992 “Evaluation of Nickel Titanium Wire Properties Following Clinical Use”, American Association for Dental Research Annual Meeting, Boston, MA.
- 1993 “Overjet & Overbite in 12 – 17 year olds”, International Association for Dental Research Annual Meeting, Chicago, IL.
- 1994 “Chemical & Phase Content Analysis of NiTi Orthodontic Wires”, American Association for Dental Research Annual Meeting, Seattle, WA.
- 1995 “Bending Properties of NiTi Wires for Clinical Applications.” American Association of Orthodontists Annual Meeting, San Francisco, CA.
- 2003 “Growth Manifestations and Sleep Apnea in Children.” American Dental Association Annual Session, San Francisco, CA.
- 2007 “Orthopedic & Orthodontic Management of Pathologic Airway Development”, American Academy of Dental Sleep Medicine. Minneapolis, MN
- 2009 “Oral Appliance and Orthodontic Treatment for OSA”, American Academy of Dental Sleep Medicine. Seattle, WA
- 2010 “Orthodontic Treatment Options for Sleep Disordered Breathing”. Arnett Surgical Conference, Santa Barbara, CA
- 2011 “Orthodontics and Pediatric Sleep Apnea”, American Association of Orthodontists Annual Session, Chicago, IL
- 2012 “Orthodontic Management of the Pediatric Airway”, Andrews Symposium, Honolulu, HI
- 2012 “Bimaxillary Expansion for Pediatric OSA”, American Academy of Dental Sleep Medicine. Baltimore, MD
- 2013 “Role of Myofascial Re-Education in Pediatric Sleep Disordered Breathing”, American Association of Physiological Medicine and Dentistry, Oakland, CA
- 2014 “Orthodontic Interventions for Sleep Apnea” UCSF Sleep Apnea Series, San Francisco, CA
- 2016 “Bimaxillary Expansion for pediatric OSA: What, Why, When, Where, How” UCSF ENT Series on Sleep Apnea and Abnormal Breathing, San Francisco, CA
- 2016 “Sleep Apnea in the 21<sup>st</sup> Century – What the data shows.” Pacific Coast Society of Prosthodontics, San Francisco, CA
- 2017 “Orthodontics and Myofunctional Therapy” Stanford Sleep Epidemiological Society, Palo Alto, CA

**Regional:**

- May, 1989 “Biocorrosible Films – An Approach to Reduce Microleakage.” California Dental Association Scientific Session & UCSF Alumni Dental Meeting (1/89).
- February, 1992 “Early Diagnosis & Treatment of Malocclusion.” American Society of Dentistry for Children, UCSF Chapter.

October 1993	“Orthodontic Preparation for Orthognathic Surgery : Clinical Diagnosis and Timing of Treatment.” UCSF Orthognathic Surgery Grand Rounds Lecture Series.
February, 1999	“Evaluation and Treatment of Orthodontic Problems.” Mid Peninsula Dental Society
February, 2002	“Indications for Orthodontics in Children & Adults.” Peninsula Dental Hygiene Association
May, 2002	“Volunteer Dental Service Abroad.” Mid Peninsula Dental Society, Palo Alto, CA.
May, 2003	Sleep Disordered Breathing & Orthodontics. Veterans Administration Hospital, Palo Alto, CA
March, 2004	Orthodontic Treatment of Sleep Problems in Children. School of Sleep Medicine, Palo Alto, CA
October, 2004	“Sleep Medicine in Dentistry”, Northern California Association of Dental Research, Palo, Alto, CA
May, 2004	“Volunteer Dental Service Abroad.” Peninsula Dental Hygiene Association
March, 2005	“Orthodontic Treatment of Sleep Problems in Children.” School of Sleep Medicine, Palo Alto, CA
April, 2005	Sleep Disordered Breathing in Children. Kaiser Santa Clara Hospital, Dept of Otolaryngology
March, 2006	“The Orthodontic Component in Rotaplast”, Alliance for Smiles, San Francisco, CA
May 2007	Pediatric Orthodontics & Orthodontic treatment of SDB in Children, Palo Alto Medical Foundation, Palo Alto, CA
May, 2007	“Mechanics Planning & Sequencing Treatment”. Mid Peninsula Dental Society, Palo Alto, CA
April, 2008	The Technology of Suresmile. Northern California Association for Dental Research Study Club, Palo Alto, CA
July, 2008	“Suresmile in Clinical Practice”. Users Group, Redwood Shores, CA
February, 2009	“Distance Care using Suresmile.” Suresmile Users Conference, San Diego, CA
April, 2009	“Overview of Sleep Apnea”. Womens’ Dental Group, Palo Alto, CA
January, 2010	“Treating Pediatric Sleep Disordered Breathing”. Craniofacial Grand Rounds, Kaiser Hospital, Oakland.
October, 2010	“Treating Pediatric Sleep Problems” AWAKE group meeting, Stanford Sleep Clinic
January, 2011	“Overview of Pediatric Management of Sleep Disordered Breathing”, Pediatric Grand Rounds, Kaiser Hospital, Santa Clara.
March, 2012	“Orthodontic Treatment of Sleep Problems in Children.” School of Sleep Medicine, Palo Alto, CA
September, 2012	“Obstacles to Multidisciplinary Care” Palo Alto Study Club, Palo Alto, CA
February. 2013	“The Adaptability of Bone to Pressure” Oral Surgery Study Club, Palo Alto, CA
September, 2015	“Diagnosing Sleep Apnea in the Dental Office” Peninsula Dental Hygiene Association, Millbrae, CA
June, 2016	“Orthodontic Treatment of Sleep Problems in Children.” School of Sleep Medicine, Palo Alto, CA
August, 2016	“Multidisciplinary Management of the Sleep Apnea Patient”, UCSF, SF, CA

**ADVANCED EDUCATION:**

1994	Functional Occlusion. Roth-Williams Center, Burlingame, CA
1995	Six Keys to Facial Harmony. Larry & Will Andrews, San Diego, CA
2004	MEAW Technique & Theory. Young Kim, Boston, MA
2007	Functional Occlusion. John Kois, Seattle, WA
2008	Functional Occlusion, II. John Kois, Seattle, WA
2010	Treatment Planning. John Kois, Seattle, WA

**CME COURSES ATTENDED:**

2007	February, Multi-disciplinary Treatment Planning, joint conference of 5 specialities.
	March, Academy of Craniomandibular Disorders 16 hrs
	May, American Association of Orthodontists Annual Meeting, 24 hrs
	September, Suresmile Technology Treatment Planning 20 hrs
	October, Restorative Treatment Planning 8 hrs
	Sleep Medicine Grand Rounds 4 hrs
	Northern California Association of Dental Research 8 hrs
	December, Functional Occlusion 27 hrs

- 2008 February, Suresmile Technology, Biomechanical Aspects 12 hrs  
 March, Pediatric ENT Update 12 hrs  
 May, American Association of Orthodontists Annual Meeting, 24 hrs  
 June, Periodontal Implantology 8hrs  
 August, Condylar Positioning 4hrs  
 Sleep Medicine Grand Rounds 4 hrs  
 Northern California Association of Dental Research 6 hrs  
 December, Functional Occlusion II, 27 hrs
- 2009 January, Current Topics in Sleep Medicine, Los Angeles, CA, 18 hrs  
 February, Suresmile Users Conference 12 hrs  
 May, Implant Orthodontics, Mid Peninsula Dental Society 6hrs  
 Northern California Association of Dental Research 8 hrs  
 Palo Alto Study Club 6 hrs  
 November, Specialist Conference 20 hrs.  
 California Sleep Society Education Meeting 12.75 hrs  
 Sleep Medicine Grand Rounds 4 hrs
- 2010 Seattle Study Club Annual Meeting 18 hrs  
 Arnett Surgical Conference 12 hrs  
 Northern California Association of Dental Research 8 hrs

**PROFESSIONAL SERVICE:**

- 1998-2000 Mid Peninsula Dental Society - Chair, Community Services  
 1995-1999 Orthodontist for Rotaplast, Inc., caring for cleft lip and palate children in overseas missions to Chile, Venezuela and Argentina, South America  
 2009-2012 Free the Children Advisory Board  
 2013-present Smiles Change Lives  
 2015-present Sleep Medicine and Research Foundation Board Member

**TEACHING & MENTORING:**

## FORMAL SCHEDULED CLASSES FOR UCSF STUDENTS:

Qtr	Academic Year	Course No & Title	Teaching Contribution	Units	Class Size	Level
F	1992-93	Biomaterials	Lecturer – 3 lectures	1	5	Postgraduate
W	1992-93	Biomechanics	Lecturer – 3 lectures	1	5	Postgraduate
F	1993-94	Biomaterials	Lecturer – 3 lectures	1	5	Postgraduate
W	1993-94	Biomechanics	Lecturer – 3 lectures	1	5	Postgraduate
W	1994-95	Biomaterials	Lecturer – 1 lecture	1	88	Graduate
F	1994-95	Biomaterials	Lecturer – 3 lectures	1	5	Postgraduate
W	1994-95	Biomechanics	Lecturer – 3 lectures	1	5	Postgraduate
W	1995-96	Biomaterials	Lecturer – 1 lecture	1	88	Graduate
F	1995-96	Biomaterials	Lecturer – 3 lectures	1	5	Postgraduate
W	1995-96	Biomechanics	Lecturer – 3 lectures	1	5	Postgraduate
W	1996-97	Biomaterials	Lecturer – 1 lecture	1	88	Graduate
F	1996-97	Biomaterials	Lecturer – 3 lectures	1	5	Postgraduate
W	1996-97	Biomechanics	Lecturer – 3 lectures	1	5	Postgraduate
W	1997-98	Biomaterials	Lecturer – 1 lecture	1	88	Graduate

F	1997-98	Biomaterials	Lecturer – 3 lectures	1	5	Postgraduate
W	1997-98	Biomechanics	Lecturer – 3 lectures	1	5	Postgraduate
	1998-02	Biomechanics & Biomaterials		1	5	
S, F	2002-03	Practice Transitions 140.1	Course Director	1.5	5	Postgraduate
S, F	2003-04	Practice Transitions 140.1	Course Director	1.5	5	Postgraduate
S,F	2004-05	Practice Transitions 140.1	Course Director	1.5	5	Postgraduate
S, F	2005-06	Practice Transitions 140.1	Course Director	1.5	5	Postgraduate
S,F	2006-07	Practice Transitions 140.1	Course Director	1.5	5	Postgraduate
Su,F	2007-08	Practice Transitions 140.1	Course Director	1.5	5	Postgraduate
Su,F	2008-09	Practice Transitions 140.1	Course Director	1.5	5	Postgraduate
Sp,Su	2008-09	Sleep Medicine	Course Director	1.5	15	Postgraduate

**FORMAL SCHEDULED CLASSES FOR STANFORD SLEEP MEDICINE FELLOWS:**

Qtr	Academic Year	Course No & Title	Teaching Contribution	Units	Class Size	Level
	2003-04	Surgical Seminar	Lecturer – 1 lecture	1.5	5	Postgraduate
	2004-05	Surgical Seminar	Lecturer – 3 lectures	1.5	5	Postgraduate
	2005-06	Surgical Seminar	Lecturer – 3 lectures	1.5	5	Postgraduate
	2006-07	Surgical Seminar	Lecturer – 3 lectures	1.5	5	Postgraduate
	2007-08	Surgical Seminar	Lecturer – 5 lectures	1.5	7	Postgraduate
	2008-present	Surgical Seminar	Lecturer – 5 didactic lectures	1.5	5	Postgraduate

**SUMMARY OF TEACHING HOURS:**

2006-2007: 40 total hours of teaching (including preparation).

Formal class or course teaching hours: 20

Clinical Hours (Sleep Medicine): 35 hrs

2007-2008: 60 total hours of teaching (including preparation).

Formal class or course teaching hours: 30

Clinical Hours (Sleep Medicine): 35 hrs

2008-present: Total anticipated hours of teaching: 50 hours (as above).

**TEACHING NARRATIVE**

*Orthodontics:* Practice Transitions Course to postgraduate orthodontic residents. This course is part of their 3<sup>rd</sup> year seminar series in the Practice Management curriculum. Biomaterials and Biomechanics to postgraduate orthodontic residents. Didactic lectures given in Winter and Spring quarters.

Lectures included:

1. Biomechanics of Extraoral Appliances
2. Force delivery of Functional Appliances
3. Properties of Metals
4. Elastic Fatigue
5. Failure of Soldering and Welding
6. Practice Transitions
7. Insurance Planning

## 8. Understanding Financial Statements

*Sleep Medicine for Dentistry*: Overview of sleep, diagnosis of sleep disorders, physiology, treatment options for adults and children. Topics covered include: pathophysiology, airway assessment, surgical and nonsurgical treatment modalities.

*Sleep Medicine*: Growth & development and orthodontics to the fellows in the Stanford Sleep Medicine Program, and attending at the pediatric clinic, once per month.

Lectures included:

1. Theories of Bone Growth
2. Craniofacial Growth Patterns
3. Cephalometrics
4. Fundamentals of Orthodontics
5. Orthodontic Expansion for Sleep disordered breathing

### CREATIVE ACTIVITIES:

1991-94	UCSF Orchestra (violin)
1996	Peninsula Symphony
1997	Redwood Symphony
2008-09	Palo Alto Chamber Orchestra
April, 2008	Featured on Japanese television, produced by NHK Productions: Origins of the Disease. Documentary featuring sleep apnea.
2009-2012	String quartet
2012-2013	New Millennium Chamber Orchestra

### PEER REVIEWED PUBLICATIONS:

Feb, 2004	A prospective study of surgical outcomes of children with sleep disordered breathing. "Guilleminault C, Li KK, Quo S, et al Sleep 2004; 27:95-100.
July, 2008	"Treatment therapies for pediatric sleep disordered breathing." Guilleminault C, Quo S, Li, K, Huyhn, N. Sleep 2008; 31:104-110.
May, 2011	"Adeno-tonsillectomy and rapid maxillary distraction in pre-pubertal children, a pilot study." Guilleminault C, Monteyrol PJ, Huynh NT, Pirelli P, Quo S, Li K. Sleep Breath. 2011 May;15(2):173-7.
Jan, 2013	"Teenage sleep-disordered breathing: recurrence of syndrome."Guilleminault C, Huang YS, Quo S, Monteyrol PJ, Lin CH. Sleep Med. 2013 Jan;14(1):37-44.
April, 2013	"Critical Role of Myofacial Reeducation in Pediatric Sleep-disordered-breathing" Sleep Med. Guilleminault C, Huang YS, Monteyrol PJ, Sato R, Quo S, Lin CH
April, 2015	"Short Lingual Frenulum and Obstructive Sleep Apnea in Children." Huang YS, Quo S, Berkowski JA, Guilleminault C. Int J Ped Res. 2015, 1:1
Aug, 2015	"Missing teeth and pediatric obstructive sleep apnea" Guilleminault C, Abad V, Chiu HY, Peters B, Quo S. Sleep Breath 2015 Aug
May, 2016	"Bimaxillary Expansion for Pediatric Sleep Disordered Breathing" Quo, SD, Hyunh, N. Guilleminault, C. J Sleep Medicine.

### Review Articles:

1994	Orthodontic Wires : Properties and Optimal Clinical Applications. Kapila, S., Quo, S.D., Information aus Orthodontie & Kieferorthopadie. pp.373-389.
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- 2001 Alambres de Ortodoncia : propiedades y aplicaciones clinicas optimas. Kapila,S., Quo, S.D., Rev Espanol Ortodoncia; 25 : pp.285-300.

**NON-PEER REVIEWED PUBLICATIONS:**

Book Chapters:

- 2001 "Sleep Disordered Breathing – A View at the Beginning of the New Millennium." Guilleminault, C. & Quo, S.D. Dental Clinics of North America. Vol. 45, No. 4, October 2001, pp. 643-655.
- 2016 "Oropharyngeal Growth and Malformations." Quo, SD, Nguyen, N & Bliska, B. Principles and Practices of Sleep Medicine. 6<sup>th</sup> Edition, 2016. Chapter 143.

Articles:

- 1986 "Improving the Efficiency of Operating an Adiabatic Reactor." Shell Development Company Research and Development Notes, Houston, TX, September & October, 1986.
- 1995 Training Manual for Orthodontics for Volunteer Cleft Lip & Palate Teams. Quo,SD, Ogata, C., Vargervik, K. Cleft Lip & Palate Foundation. Chapel Hill, North Carolina.
- 2017 "It is just Attention-Deficit Hyperactivity Disorder ...or is it?" Won, D., Guilleminault, C., Koltai, P.J., Quo, S.D., Stein, M.T., Loe, I.M. J Dev Behav Pediatr 0:1-4, 2017

**ABSTRACTS:**

- March, 1990 "Deteriorated Amalgam Microstructures." Abstract #176. Journal of the International Association Dental Research.
- March, 1991 "SEM Evaluation of Debonded Bracket Surfaces." Abstract #257. Journal of the International Association for Dental Research.
- March 1992 "Evaluation of Nickel Titanium Wire Properties Following Clinical Use." Abstract #274. Journal of the American Association for Dental Research.
- March 1993 "Overjet & Overbite in 12 – 17 year olds." Abstract #2086. International Association for Dental Research.
- March, 1994 "Chemical & Phase Content Analysis of NiTi Orthodontic Wires." Abstract #2495 American Association for Dental Research.
- June, 1995 "Mechanical and Structural Characterization of NiTi Orthodontic Wires." Abstract #587. Journal of the International Association for Dental Research.