

CURRICULUM VITAE

Rinskje de Leeuw

October 2005

OFFICE ADDRESS Orofacial Pain Center, D530
College of Dentistry
University of Kentucky
Lexington, KY 40536-0297

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Lexington, KY 40505

PLACE OF BIRTH Leeuwarden (NL)

EDUCATION

University

1982-88 State University Groningen, Groningen, the Netherlands DDS

Doctoral

1988-94 Academic Hospital Groningen, Groningen, the Netherlands PhD

1994 Dissertation: A 30-year follow-up study of non-surgically treated temporomandibular joint osteoarthritis and internal derangement

POSTGRADUATE TRAINING

1995-98 University of Kentucky, Orofacial Pain Center
Certificate Orofacial Pain

PRIVATE PRACTICE EXPERIENCE

1988-94 Part-time general practitioner, the Netherlands
1988-94 Part-time specialist care provider TMD and chronic facial pain clinic,
Academic Hospital Groningen, the Netherlands
1994-95 Private general practitioner, Lemmer, the Netherlands
1998-present Part-time specialist care provider TMD and chronic facial in Orofacial
Pain Clinic, College of Dentistry University of Kentucky

ACADEMIC APPOINTMENTS

10-98-1-99 Temporary Assistant Professor, Orofacial Pain Center, University of
Kentucky
1999-present Clinic Director, Orofacial Pain Center, University of Kentucky
1999-2005 Assistant Professor, Regular Title Series, Orofacial Pain Center, University
of Kentucky
2000-present Associate Member, Graduate Faculty
2003-present Assistant Professor, Center for Oral Health Research (COHR)
2004-present Division Chief Orofacial Pain Center, University of Kentucky
2005-present Associate Professor, Regular Title Series, Orofacial Pain Center, University
of Kentucky

TEACHING ACTIVITY

Graduate Courses:

1999-present OFP 634: Current Concepts in Temporomandibular Disorders
1999-present OFP 636: Course Director, Clinical Management of Temporomandibular
Disorders

- 1999-present OFP 700: Orofacial Pain Treatment Planning Seminar
- 1999-present OFP 734 Course Director Pain Core Literature Review
- 1999-present OFP 736: Course Director, Clinical Management of Temporomandibular Disorders
- 2001-present OFP 768: Residence Credit for Master's Degree

Undergraduate Courses

- 1999 CDS 836: Diagnoses and Management of Orofacial Pain
- 2001-present CDS 846: Diagnoses and Management of Orofacial Pain
- 2002-present RSD 822: Principles of Occlusion and Dental Articulation

LICENSURE

- 1988-present Registered Dentist Netherlands
- 1995-present Kentucky Dental License KY 7070

CERTIFICATION

- 1998 Certificate, Orofacial Pain, University of Kentucky
- 1999 Diplomate, American Board of Orofacial Pain (99038)

MEMBERSHIPS IN PROFESSIONAL LEARNED SOCIETIES

- 1988-present Nederlandse Maatschappij tot bevordering der Tandheelkunde
- 1996-present International Association for the study of Pain
- 2000-present American Academy of Orofacial Pain
- 2000-2001 International Association for Dental Research
- 2001-present American Pain Society
- 2003-present Southern Pain Society
- 2003-present Kentucky Pain Society

PROFESSIONAL HONORS

1995 Hamer-Duyvenz Award 1995 for “A 30-year follow-up of non-surgical treated TMJ osteoarthritis and internal derangement”. de Leeuw R, Thesis, University of Groningen, 1994

EDITORIAL SERVICES

Journal of Orofacial Pain

Journal of Oral and Maxillofacial Surgery

American Journal of Orthodontics and Dentofacial Orthopedics

Oral Surgery Oral Pathology, Oral Medicine, Oral Radiology and Endodontics

Journal of Oral Rehabilitation

The Journal of Pain

Acta Odontologica Scandinavica

NATIONAL COMMITTEES AND ACTIVITIES

1999-present Member Guidelines Committee for American Academy of Orofacial Pain (AAOP)

2000-2001 Member Meeting Committee AAOP 2001

2000-2002 Member Meeting Committee AAOP 2002

2001-2002 Co-chair Scientific Review Committee AAOP 2002

2001-2003 Chair Education Committee AAOP

2001-2003 Chair Review and CE Committee AAOP

2001-present Member Strategic Planning Committee AAOP

2002-present Council member AAOP

2002-2004 Scientific Program Chair 29th Annual Scientific Meeting AAOP

2003 Secretary-elect Executive Committee AAOP

2004-2005 Secretary Executive Committee AAOP

2004-2005 Member Sister Academy Committee AAOP

2004-present Member Membership Committee AAOP

2004-present Member Budget Committee AAOP

2005 Treasurer Executive Committee AAOP

STATE COMMITTEES AND ACTIVITIES

2003-present Treasurer Kentucky Pain Society

INSTITUTIONAL COMMITTEES

1998-2001 Faculty Development Committee, College of Dentistry

1999-2001 Untenured Faculty Organization Committee, College of Dentistry

2003-2005 Accreditation Subcommittee: research program, College of Dentistry

2003-present UK Dental Care Board, College of Dentistry

2005-present UK MS Review Committee

ADVISING COMMITTEES AND ACTIVITIES

University:

2002 Qualifying exam committee; Member, Ms. Lisa Heaton, Psychology PhD Program

2003-2004 Thesis committee; Member Ms. Lisa Heaton, Psychology PhD Program

College of Dentistry:

2001-2002 Thesis committee; Member, Dr. Morten S. Hadsel, Orofacial Pain Graduate Program

2001-2003 Thesis committee; Member, Dr. Eduardo B. Vazquez, Orofacial Pain Graduate Program

2002-2004 Thesis committee; Member, Dr. Michael Cherubini, Orthodontic Graduate Program

2002-2004 Thesis committee; Member, Dr. Pei Feng Lim, Orofacial Pain Graduate Program

2002-2004 Thesis committee; Chair, Dr. Romulo Albuquerque, Orofacial Pain Graduate Program

- 2003-2005 Thesis committee; Member, Dr. Elizangela Bertoli, Orofacial Pain Graduate Program
- 2004-2006 Thesis committee; Chair, Dr. Ramesh Balasubramaniam, Orofacial Pain Graduate Program
- 2005-2007 Thesis committee; Chair, Dr. Massimiliano Di Giosia, Orofacial Pain Graduate Program

PEER REVIEWED PUBLICATIONS

- de Leeuw R**, Boering G, Stegenga B, de Bont LGM. Temporomandibular joint osteoarthritis: clinical and radiographic characteristics 30 years after non-surgical treatment. A preliminary report. *J Craniomandib Pract* 1993;11:15-24
- Stegenga B, de Bont LGM, **de Leeuw R**, Boering G. Assessment of mandibular function impairment associated with temporomandibular joint osteoarthritis and internal derangement. *J Orofacial Pain* 1993;7:183-195
- PU Dijkstra, de Bont LGM, **de Leeuw R**, Stegenga B, Boering G. Temporomandibular joint osteoarthritis and temporomandibular joint hypermobility. *J Craniomandib Pract* 1993;11:268-275
- de Leeuw R**, Boering G, Stegenga B, de Bont LGM. Clinical signs of TMJ osteoarthritis and internal derangement 30 years after non-surgical treatment. *J Orofacial Pain* 1994;8:12-18
- de Leeuw R**, Boering G, Stegenga B, de Bont LGM. Symptoms of TMJ osteoarthritis and internal derangement 30 years after non-surgical treatment. *J Craniomandib Pract* 1995;13:81-88
- de Leeuw R**, Boering G, Stegenga B, de Bont LGM. TMJ articular disk position and configuration 30 years after initial diagnosis of osteoarthritis and internal derangement. *J Oral Maxillofac Surg* 1995;53:234-241
- de Leeuw R**, Boering G, Stegenga B, de Bont LGM. Radiographic signs of TMJ osteoarthritis and internal derangement 30 years after non-surgical treatment. *Oral Surg Oral Med Oral Pathol* 1995;79:382-92

- de Leeuw R**, Boering G, van der Kuijl B, Stegenga B, de Bont LGM. Hard and soft tissue imaging of the temporomandibular joint 30 years after diagnosis of osteoarthritis and internal derangement. *J Oral Maxillofac Surg* 1996;54:1270-1280
- de Leeuw R**. Discussion: Temporomandibular joint “open lock” versus condylar dislocation: signs and symptoms, imaging, treatment and pathogenesis. *J Oral Maxillofac Surg* 2002; 60:512-13
- Vazquez-Delgado E, Schmidt JE, Carlson CR, **de Leeuw R**, Okeson JP. Psychological and sleep quality differences between chronic daily headache and temporomandibular disorders patients. *Cephalalgia* 2004; 24: 446-454.
- de Leeuw R**, Bertoli E, Schmidt JE, Carlson CR. Prevalence of major traumatic stressors in an orofacial pain population. *J Oral Maxillofac Surg* 2005;63:42-50
- de Leeuw R**, Studts JL, Carlson CR. Fatigue and fatigue related symptoms in an orofacial pain population. *Oral Surg Oral Med Oral Pathol Oral Radiol & Endod* 2005;99:168-74
- de Leeuw R**, Klasser GD, Albuquerque RJC. Are Female Orofacial Pain patients medically compromised? *JADA* 2005;136 (4): 459-468.
- de Leeuw R**, Bertoli E, Schmidt JE, Carlson CR. Prevalence of Post-Traumatic Stress Disorder Symptoms in Orofacial Pain Patients. *Oral Surg Oral Med Oral Pathol Oral Radiol & Endod* 2005; 99:558-68
- de Leeuw R**, Albuquerque RJC, Okeson JP, Carlson CR. The contribution of neuroimaging techniques to the understanding of supra-spinal pain circuits: implications for orofacial pain. *Oral Surg Oral Med Oral Pathol Oral Radiol & Endod* 2005;100:308-14
- Klasser, GD, **de Leeuw R**. Albuquerque RJC. Self report health questionnaire: a necessary and reliable tool in dentistry. *General Dentistry* September-October 2005;53(5);348-354
- de Leeuw R**, Schmidt JE, and. Carlson CR. Traumatic stressors and Post-Traumatic Stress Disorder Symptoms in Headache Patients. (Accepted for publication in *Headache*)

de Leeuw R, Albuquerque RJC, Andersen AH, Carlson CR. Influence of estrogen on brain activation upon painful heat stimulation: an fMRI study. (Accepted for publication in J Oral Maxillofac Surgery)

THESIS

de Leeuw R. A 30-year follow-up of non-surgical treated TMJ osteoarthritis and internal derangement. Thesis, University of Groningen, 1994

CHAPTERS IN BOOKS

PU Dijkstra, de Bont LGM, **de Leeuw R**, Stegenga B, Boering G. Hypermobiliteit en arthrosis deformans van het kaakgewricht. In: Meerwijk, GM et al. (eds) Jaarboek Fysiotherapie Kinesitherapie 1995. Bohn Stafleu Van Loghum, Houten / Diegem 1995, pp. 251-268.

ABSTRACTS (* presenter)

de Leeuw R*, Stegenga B, Boering G, de Bont LGM. Long-term clinical and radiographic follow-up of temporomandibular joint osteoarthritis. J Oral Rehabil 1992;19:169
Bonn (G), 17th Biennial Store Kro Meeting, Society of Oral Physiology

de Leeuw R*, Boering G, Stegenga B. Long term evaluation of TMJ osteoarthritis and internal derangement. J Dent Res 1992;71:532
Glasgow (GB), 70th General Session and Exhibition of the International Association for Dental Research

de Leeuw R*, Stegenga B, Boering G, van der Kuijl B, de Bont LGM Disk position assessed on MRI in correlation with clinical and radiographic signs of osteoarthritis and internal derangement of the temporomandibular joint. J Oral Rehabil 1994;21:212-213
Gentofte (D), 18th Biennial Store Kro Meeting, Society of Oral Physiology

de Leeuw R*, Reid KI, Carlson CR. Intersession repeatability of thermal detection and pain thresholds of orofacial tissues in humans. J Orofacial Pain 1997;11:184
San Diego (CA) 22nd Annual Scientific Meeting on Orofacial Pain and Temporomandibular Disorders, American Academy of Orofacial Pain

- de Leeuw R***, Reid KI, Carlson CR. Sex differences in dynamic temperature perception. *J Orofacial Pain* 1998; 12:165
Washington (DC), 23rd Annual Scientific Meeting on Orofacial Pain and Temporomandibular Disorders, American Academy of Orofacial Pain
- de Leeuw R***, Carlson CR. Validation of Post-Traumatic Stress Disorder (PTSD) symptoms in orofacial pain patients. *J Women's Health* 1998; 7: 631
Washington (DC), Sixth Annual Congress on Women's Health, Society for the Advancement of Women's Health Research
- de Leeuw R***, Studts JL, Carlson CR. Fatigue and fatigue related symptoms in temporomandibular pain patients. *J Dent Res* 2000; 79: 584
Washington (DC), 78th General; Session of the International Association for Dental Research
- Studts JL*, **de Leeuw R.**, Carlson, CR. Fatigue measures used in psychosomatic research and behavioral medicine: A psychometric comparison. *Psychosomatic Medicine*, 2000; 62: 146-147
Savannah (GA) 58th Annual Scientific Meeting of the American Psychosomatic Society
- Venable VL*, Carlson CR, Studts JL, **de Leeuw R**, Okeson, JP. Physical activity, psychological distress and sleep dysfunction in myofascial pain. *J Dent Res* 2001; 80: 85
Chicago (IL) 30th Annual Meeting of the American Association for Dental Research
- Studts JL*, **de Leeuw R**, Carlson CR. Symptom structure of fatigue: a multidimensional or unidimensional construct for behavioral medicine? *Psychosom. Med* 2001; 63: 130
Monterey (CA) 59th Annual Scientific Meeting of the American Psychosomatic Society
- Nery CG*, Carlson CR, Davis CE, Okeson JP, Miller CS and **de Leeuw, R**. Patterns of pain and electromyographic activity from experimental trapezius pain. *J Orofacial Pain* 2001;15 (3): 265
Washington (DC) 26th Annual Scientific Meeting on Orofacial Pain and Temporomandibular Disorders, American Academy of Orofacial Pain

- de Leeuw R***, Davis CE, Andersen AH and Carlson CR. Cerebral activation during thermal and emotional challenges: an fMRI study. *J Pain* 2001;2:S1: 34.
Phoenix (AZ) 20th Annual Scientific Meeting, American Pain Society
- Schmidt JE*, Baer R, **De Leeuw R**, and Carlson CR. Use of the NEO-Five Factor Inventory with orofacial pain patients. *Annals of Behavioral Medicine*, 2002, 24 (Suppl.), S005
Washington, D.C 23rd Annual Meeting, Society of Behavioral Medicine
- de Leeuw R***, Davis CE, Andersen AH, Carlson CR. Brain activation during trigeminal thermal stimulation and a pain Stroop task: an fMRI study. *J Orofacial Pain* 2002;16: 335
San Antonio (TX) 27th Annual Scientific Meeting on Orofacial Pain and Temporomandibular Disorders, American Academy of Orofacial Pain
- Balasubramaniam R*, **de Leeuw R**, Schmidt JE, Carlson CR. Depression and somatization are predictors of fatigue in TMD patients. *J Orofacial Pain* 2004
San Francisco (CA) 29th Annual Scientific Meeting on Orofacial Pain and Temporomandibular Disorders, American Academy of Orofacial Pain
- de Leeuw R***, Albuquerque RJC, Carlson CR, Andersen AH. Influence of estrogen on brain activation during painful heat stimulation. *J Women's Health* 2004; 13 (4): 462
Hilton Head (SC) 12th Annual Congress on Women's Health
- Bertoli E*, **de Leeuw R**, Carlson CR. Posttraumatic Stress Disorder in patients with neuropathic pain. *Oral Surg Oral Med Oral Pathol Oral Radiol & Endod* 2005; 99 (4) 435-436
Phoenix (AZ), the 2005 joint meeting of the AAOM and AAOP
- de Leeuw R***, Bertoli E, Carlson CR. Psychologic dysfunction is limited to TMD patients with PTSD symptomatology. *Oral Surg Oral Med Oral Pathol Oral Radiol & Endod* 2005; 99 (4) 437
Phoenix (AZ), the 2005 joint meeting of the AAOM and AAOP
- Lim PF*, Okeson JP, **de Leeuw R**, Carlson C, Schmidt J and Albuquerque J. Surface electromyography characterization of the local twitch response elicited by trigger-point injections and snapping palpation in myofascial pain patients. *Oral Surg Oral Med Oral Pathol Oral Radiol & Endod* 2005; 99 (4) 440

Phoenix (AZ), the 2005 joint meeting of the AAOM and AAOP

SYLLABI

- 2000 Orofacial Pain Treatment Algorithms by Jeffrey P. Okeson, John J. Lauten and Reny de Leeuw
- 2001-04 Reny de Leeuw (Ed.) Orofacial Pain Treatment Algorithms by Jeffrey P. Okeson, John J. Lauten, Reny de Leeuw

FUNDED RESEARCH

- 1996 AAOP Resident Research Grant (PI)
Inter-session repeatability of thermal detection and pain thresholds of orofacial tissues in humans. \$1250
- 1997 AAOP Resident Research Grant (PI)
Fatigue and fatigue related symptoms in an orofacial pain population
\$1000
- 1999 Women's Health (PI)
Cerebral activation during thermal and emotional challenges: an fMRI study
15,000
- 2001 COBREWH (PI) UKRF 2002-03221045 09/01/01
Effects of blood estrogen level on cortical activation patterns during thermal and emotional challenges as measured by functional MRI
\$50,0000.00
- 2002- present NIH K30 Career training in therapeutics and translational research
\$5,000.00
- 2005 NIH K23 (PI) Central pain processing in chronic face pain: fMRI study
\$625,000.00

INTERNATIONAL INVITED PRESENTATIONS

- 1991 Long-term clinical and radiographic follow-up of temporomandibular joint osteoarthritis. Bonn (G), 17th Biennial Store Kro Meeting, Society of Oral Physiology.

- 1992 Long term evaluation of TMJ osteoarthritis and internal derangement. Glasgow (GB), 70th General Session and Exhibition of the International Association for Dental Research.
- 1992 Long-term evaluation of TMJ osteoarthritis and internal derangement: Clinical and radiographic characteristics. Indianapolis (IN), Jarabak Lecture: the 1992 Orthodontic Continuing Education Series, the American Society of Temporomandibular Joint Surgeons.
- 1994 The natural course of TMJ osteoarthritis and internal derangement, Table Clinic. Denver (CO), 76th Annual Meeting, American Association of Oral and Maxillofacial Surgeons.
- 2005 Classification of Orofacial Pain, Orofacial trauma and orofacial pain, Functional MRI and Orofacial Pain, Post-Traumatic Stress Disorder in Orofacial Pain Continuing Education Seminars voor tandarts-gnathologen, University of Utrecht
- 2005 Long term treatment outcomes of intracapsular TM Disorders, Treatment algorithm for temporomandibular disorders. Continuing Education Seminars voor fysiotherapeuten en tandarts-gnathologen, University of Utrecht

NATIONAL PEER REVIEWED OR INVITED PRESENTATIONS

- 1990 Conditie van kaakgewrichten met osteoarthritis en internal derangement 30 jaar na niet-chirurgische behandeling. Ameland (NL), 34e Fall Meeting, Dutch Association of Oral and Maxillofacial Surgeons.
- 2000 Chicago (IL), American Academy of Orofacial Pain. Long-term outcomes for intra-capsular disorders
- 2003 Dorado, Puerto Rico, 28th annual scientific meeting of the American Academy of Orofacial Pain. Orofacial Trauma and Neuropathic Pain.

REGIONAL PEER-REVIEWED OR INVITED PRESENTATIONS

- 1995 Sneek (NL) Alpha study-group for dentists. Temporomandibular disorders. Diagnosis and management.
- 1995 Bolsward (NL), Alpha study-group for dentists. Temporomandibular disorders. Diagnosis and management.

- 2001 Pikeville (KY) Pikeville College of Osteopathic Medicine. Orofacial Pain and Temporomandibular Disorders.
- 2002 Lexington (KY) University of Kentucky, College of Dentistry. 14th Annual Orofacial Pain Alumni Meeting. Orofacial Pain in the Dental Practice: a Multidisciplinary Approach: Differential Diagnosis of and Treatment Strategies for TMD Pains.
- 2002 Lexington (KY) Distant Learning Program Pikeville College of Osteopathic Medicine. Orofacial Pain and Temporomandibular Disorders.
- 2002 Owensboro, KY. Green River Dental Society. Current Concepts in Diagnoses and Treatment of Temporomandibular Disorders
- 2003 Lexington (KY) University of Kentucky, College of Dentistry, 14th Annual Orofacial Pain Alumni Meeting. Functional MRI and Orofacial Pain
- 2003 Pikeville (KY) Pikeville College of Osteopathic Medicine. Orofacial Pain and Temporomandibular Disorders.
- 2003 Lexington (KY) Kentucky Pain Society, First Annual Scientific Meeting. Dental Treatment for Orofacial Pain
- 2004 Lexington (KY) University of Kentucky, College of Dentistry, 15th Annual Orofacial Pain Alumni Meeting. Long-term outcome of TMD
- 2004 Pikeville (KY) Pikeville College of Osteopathic Medicine. Orofacial Pain and Temporomandibular Disorders.
- 2005 Pikeville (KY) Pikeville College of Osteopathic Medicine. Orofacial Pain and Temporomandibular Disorders

LOCAL PEER-REVIEWED OR INVITED PRESENTATIONS

- 1995 Lexington (KY), University of Kentucky, College of Dentistry, Grand Rounds. Long-term outcome of temporomandibular joint osteoarthritis and internal derangement after non-surgical treatment.
- 1996 Lexington (KY), University of Kentucky, College of Dentistry, 8th Annual Orofacial Pain Alumni Meeting. TMJ osteoarthritis and internal derangement. A 30-year follow-up after non-surgical treatment.

- 1998 Lexington (KY), Orofacial Pain Center, The Clinical Management of Temporomandibular Disorders: A course for Brazilian Dentists. Long-term outcome studies of TMD: osteoarthritis and internal derangement.
- 1999 Lexington (KY). University of Kentucky, College of Dentistry 23rd Annual Fall Symposium. Long-term treatment outcome of TMD.
- 2000 Lexington (KY), University of Kentucky, College of Dentistry, Grand Rounds. Can temporomandibular disorders and chronic facial pain be prevented?
- 2000 Lexington (KY), University of Kentucky, College of Dentistry, 12th Annual Orofacial Pain Alumni Meeting Can temporomandibular disorders and chronic facial pain be prevented?
- 2001 Lexington (KY), University of Kentucky, College of Dentistry, 13th Annual Orofacial Pain Alumni Meeting. Cerebral activation during thermal and emotional challenges: an fMRI study.
- 2003 Lexington (KY), University of Kentucky, Annual Fall Retreat K30/BirchWH. Influence of estrogen on brain activation upon painful thermal stimulation.
- 2005 Lexington (KY), University of Kentucky, University of Kentucky Chapter of American Association of Dental Research Spring Seminar Series. Influence of estrogen on brain activation upon painful thermal stimulation
- 2005 Lexington (KY), Orofacial Pain Center. Special lecture series for orofacial pain shadow program. Pharmacology and pharmacotherapy in orofacial pain

PRESENTATIONS TO PREDOCTORAL AND POSTDOCTORAL STUDENTS

- 1999-present Topic Seminars: How to take a history of head- and orofacial pain,
Postgraduate students
- 1999- CDS 836: History taking in chronic orofacial pain patients
CDS 836: Clinical examination of chronic orofacial pain patients I
CDS 836: Clinical examination of chronic orofacial pain patients II
CDS 836: Pharmacology for chronic pain patients
- 2000-present CDS 846: History taking in chronic orofacial pain patients
CDS 846: Clinical examination of chronic orofacial pain patients I
CDS 846: Clinical examination of chronic orofacial pain patients II

	CDS 846: Pharmacology for chronic pain patients
2001	Topic Seminars: Pharmacology for Chronic pain, Postgraduate students 6 lectures/year
2001-present	CDS 846: Case simulation history taking diagnosis and treatment planning 6 sessions/year
2003	Topic Seminars: Pharmacology in Orofacial Pain. Post Graduate Students 4 lectures
2004	CDS 846 Competency assessment 2 / year
2005	CDS 826: Opioid Use in Dental Practice