



BIRTE MELSEN, D.D.S., DR. ODONT

Professor Melsen was born in Aabenraa, Denmark 9 June 1939.

Since 1975 she has held the title of Professor and Head of the Department of Orthodontics at The School of Dentistry, Aarhus University, Denmark. Since 1986, she has been working part-time in a private practice in Lübeck, Germany (Adult Orthodontics only).

Professor Melsen has authored more than 350 publications in the fields of growth and development based on research of human autopsy material, bone biology and clinical implant studies. In recent years her professional interests have focused primarily on the fields of Skeletal Anchorage, Virtual Imaging and Adult Orthodontic Treatment.

In 2000 she received the Knighthood of Dannebrog 1st degree.

PROFESSOR BIRTE MELSEN

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EDUCATION

- 1964 Examination for the dental degree (first class), Royal Dental College, Aarhus, Denmark
- 1971 Jus Practicandi as dentist (authorisation to practice as dentist)
- 1971 Specialization in Orthodontics
- 1974 The Odontologic Doctorate, Royal Dental College, Aarhus, Denmark.
- 1971 Acting Head, Department of Orthodontics, Royal Dental College, Aarhus, Denmark.
- 1972-1975 Associate Professor, Department of Orthodontics, Royal Dental College, Aarhus, Denmark.
- 1975- Professor and Head, Department of Orthodontics, Royal Dental College, Aarhus, Denmark.
- 1986- Part time clinical practice, Lübeck, Germany, limited to Adult Orthodontics

AWARDS AND HONORARY DEGREES

- 1984 Receiver of the Marie Longaard Award for Female Researchers
- 1986 Recipient: "Robert Strang Award" in Orthodontics.
- 1986 Recipient: "Jarabak" Scholarship.
- 1986 Knighthood of "Dannebrog" 2nd Degree
- 1989 Recipient: "Dannin" Research Grant.
- 1991 Recipient: "Zendium" prize.
- 1993 Recipient: "Hanstedgårdfondens" prize, DKK 91,000
- 1993 Recipient: "The Jarabak Memorial Orthodontic Teachers and Research Award".
- 1995 Recipient: "The Jarabak Memorial Orthodontic Teachers and Research Award".
- 1995 Recipient: "Dandy" prize.
- 1997 Recipient: American Association of Orthodontists Foundation, PARC.
- 1997 Invited Speaker: Angle Society of Orthodontists, The American Division, Montreal, Canada.
- 1999 Best Lecture: Angle Society of Orthodontists.
- 1999 World SIDO prize, Rome, Italy.
- 2000 Knighthood of "Dannebrog" 1st Degree.
- 2001 Invited Presenter: Sheldon Friel Memorial Award Lecture.
- 2005 Best paper: European Journal of Orthodontics.
- 2006 Recipient: Bakker Sorenson Award for landmark research.
- 2006 Invited Presenter: Wendell Wylie Memorial Lecture.
- 2006 Invited Presenter: Alton Moore Memorial Lecture.
- 2006 Best Paper: SIDO
- 2007 Invited Presenter: Robert Moyers Memorial Lecture.



HONORARY MEMBERSHIPS

- Danish Orthodontic Society
- Egyptian Orthodontic Society
- Deutsche Kieferorthopädische Gesellschaft (Germany)
- Italian Orthodontic Society (SIDO)
- Austrian Dental Society
- South African Orthodontic Society
- Finnish Orthodontic Society
- French Orthodontic Society
- Official Assignments
- Societa Italiano di Biomechanica et Ortodonzia Segmentata

OFFICIAL ASSIGNMENTS

- Chairman, Udvalg under Specta (Sundhedsstyrelsen) til udarbejdelse af nyt specialtandlægeregulativ, 2007
- Repræsentant for Tandlægeskolerne i Danmark, Specta (Sundhedsstyrelsen), 1.1.2005– .
- Past president, European Orthodontic Society, 1.7.2004– .
- Medlem, Landsdels- og Videnscenter, 1.1.2004– .
- Co-editor, Clinical Orthodontics and Research, 1.1.2001– .
- Co-Editor, World Journal of Orthodontics, 1.1.2001– .
- Co-Editor, Journal of Clinical Orthodontics, 1.1.2001– .
- Editorial Member, Praktische Kiefer-Orthopädie, 1.1.2001– .
- Editorial Member, Mondo Ortodontico, 1.1.2001– .
- Editorial Member, Journal of Orthodontics, 1.1.2001– .
- Editorial Member, Journal of Dental Research, 1.1.2001– .
- Editorial Member, Revue d'Orthodontie Dentofaciale, 1.1.2001– .
- Medlem, Det kraniofacial Team, 1.1.2001– .
- Næstformand, Dansk Ortodontisk Selskab, 1.1.2000– .
- Council member, European Orthodontic Society, 1.2.1999– .

HONORARY POSITIONS

- 1976 President of the Scandinavian Orthodontic Society
- 1984 President, Nordic Orthodontic Society
- 1988 President of the Danish Orthodontic Society
- 1989 President, Third International Symposium on Dentofacial Development, Aarhus, Denmark.
- 1990 Vice-president, European Orthodontic Society Congress, Copenhagen, Denmark.
- 1990-92 Visiting Professor, Università Degli Studi Di Napoli, II Facoltà Di Medicina E Chirurgia, Scuola Di Specializzazione in Ortognatodonzia, Italy.
- 1993-96 Vice-president of International Symposium on Comprehensive Management of Craniofacial Anomalies.
- 1994-97 President of the Danish Orthodontic Society
- 1994- Associate Editor of Orthodontics and Craniofacial Research
- 2001 Vice-president, Danish Orthodontic Society.
- 2004 President, European Orthodontic Society.

LECTURES AND COURSES

Since 1974, lecturing all over the world on Growth and Development, Biomechanics, symmetries, Interdisciplinary treatments, Skeletal Anchorage. Adult Orthodontics and more than 300 courses on various aspects of orthodontic treatment and research.

- How Can Orthodontics Influence the Possibilities for Patients with Degenerating Dentition?, World Federation of Ortodontists, Sydney, AU, 6.2.2010.
- How has the Skeletal Anchorage Changed Our Profession?, World Federation of Ortodontists, Sydney, AU, 5.2.2010.
- 3D Orthognathic surgery planning and wafer production using an integrated approach of CBCT and digital study models, 3D Bologna Meeting and Workshop, Secretariat Scientific Committee, Alberto Bianchi MD DMD, University of Bologna, JP, 22.1.2010.
- 2-day course on: Skeletal Anchorage Theory and Systems Design, Athen, GR, 15.11.2009.
- 2-day course on: Skeletal Anchorage Theory and Systems Design, Athen, GR, 14.11.2009.
- Friction, low Friction, no Friction, XXI SIDO International Congress, Rom, IT, 6.11.2009.
- Kieferorthopädie bei parodontal geschädigtem Gebiss, Kiel-Copenhagen Symposium, Kiel, DE, 31.10.2009.
- Planning software and the use of mini-implants for orthodontic treatment, P-I Brånemark Scientific Symposium, Göteborg, SE, 30.10.2009.

LECTURES AND COURSES CONT'

- Course on: Skelatal Anchorage, American Orthodontics, Paris, FR, 17.10.2009.
- Dalla biologia alla clinica: i mini-impianti, Congresso SIBOS 2009, IT, 26.9.2009.
- One day course on miniscrews, Congresso SIBOS 2009, Milano, IT, 25.9.2009.
- How has the spectrum of orthodontics changed over the past decades?, British Orthodontic Society Conference Committee, GB, 15.9.2009.
- The impact of malocclusion and treatment on quality of life, British Orthodontic Society, British Orthodontic Society Norhcroft Lecture, Edinburgh, GB, 14.9.2009.
- Frühjahrs-Update 2009: Skelettale Verankerung durch Mini- und Mikroschrauben, Knappschaft, Bochum, DE, 25.4.2009.
- Inizio Lavori, XIV Simposio delle Scuole Ortodontiche, IT, 27.2.2009.
- Fixed anchorage systems in orthodontics?, American Orthodontics Istanbul,, TR, 6.2.2009.
- Diagnostik und Behandlung aus Kieferorthopädischer Sicht, Vereinigung der Zahnärzte Südtondern im Kreis Nordfriesland, Zahn- und Kieferfehlstellungen ihre Folgen und deren Therapie, Sylt, DE, 31.1.2009.
- Screws as ultimative anchorage, International Vienna Orthodontic Symposium (IVOS), Megatrends in Orthodontics, Wien, AT, 6.12.2008.
- Bicommechanics - State-of-the-art, SIBOS, IT, 23.11.2007.
- What influence has skeletal anchorage had on orthodontic treatments, The annual meeting of the Australian Orthodontic Society, AU, 19.10.2007.
- The Miniscrew dilemma: Efficacy, overuse and abuse, Angle Society, CA, 7.9.2007.
- Interdisciplinary Treatment2. Adult Treatment3. Periodontics and Prosthodontics4. Skeletal Anchorage, Indianapolis Orthodontic Society, CA, 6.9.2007.
- What has changed over the past 100 years?, EOS, Berlin, DE, 22.6.2007.
- What have changed over the past 100 years?, The 83rd Congress of the European Orthodontic Society, DE, 20.6.2007.
- Is skeletal anchorage changing the limit of orthodontics?, FSODF, Paris, FR, 2.6.2007.
- ANCRAGE ORTHODONTIQUE par IMPLANTS MINI VIS, FSODF, FR, 1.6.2007.
- Treatment of the degenerated dentition. Where is the limit?, AAO, Seattle, US, 21.5.2007.
- Adult Orthodontics an interdisciplinary Approach, Irish Orthodontic Society, Cork, IE, 28.4.2007.
- State-of-the-art of the relationship between orthodontics, periodontology and facial aesthetics, The Annual congress of the Italian Orthodontic Society (SIDO), IT, 2.3.2007.
- What influence has skeletal anchorage had on odthodontics? - Moyers Symposium, Moyers Symposium, Ann Arbor, US, 24.2.2007.
- Invited speaker of the Biannual Special Lecture, Angle Society, 2007
- 1997 Invited speaker at the Angle Society of Orthodontists, The American Division, Montreal, 1997.
- 1996 28-30 March Multidisciplinary Surgery Course of the facial skeleton, Barcelona, Spain
- 24-25 October 1986: 12-Hour Course for Brazilian Group of Professors in Orthodontics and Pedodontics, Parana, Brazil: Craniofacial Growth and Development and its Relationship in the Treatment with the Edgewise Technique Associated with Extraoral Traction and Functional Orthopedica Appliances.

OTHER RESEARCH AND PRESENTATION ACTIVITIES

- 7th International Orthodontic Congress , 6.2.2010-9.2.2010, Sydney, AU.
- 3D Bologna Meeting and Workshop, New Technologies in Diagnosis, Planning & Treatment in Maxillofacial Surgery , 22.1.2010-23.1.2010, Bologna, IT.
- Underviser på IBC: Intensive Bridging Course, University of Sydney, 16.11.2009-27.11.2009, Sydney, AU.
- 12th Days of the orthodontics "J.O.F on 2009, 8.11.2009-9.11.2009, Paris, FR.
- Moderator at Techniques orthodontiques - Controverses en orthodontie : La distalisation des premières molaires maxillaires / Molar teeth distalisation , 8.11.2009, Paris, FR.
- XXI SIDO International Congress Roma, 5.11.2009-7.11.2009, Rom, IT.
- Kiel-Copenhagen Symposium, 31.10.2009, Kiel, DE.
- P-I Brånemark Scientific Symposium, 29.10.2009-31.10.2009, Göteborg, SE.
- Estetica e Funzionein Implantoprotesi:Vantaggiapportatidall'utilizzodellenuovetecnologie , 23.10.2009, Milano, IT.
- Congresso SIBOS 2009, 25.9.2009-26.9.2009, Milano, IT.
- British Orthodontic Conference , 13.9.2009-15.9.2009, GB.
- Forårsmøde i Dansk Knoglemedicinsk Selskab: Calcium-sensing receptor - from idea to clinical practice,, 29.5.2009, Glostrup, DK.
- Moderator at the 2009 AAO 109th Annual Session , 2.5.2009, Boston, US.
- 2009 AAO 109th Annual Session, 1.5.2009-4.5.2009, Boston, US.
- Fruhjahrs-Update 2009: Skelettale Verankerung , 25.4.2009, Bochum, DE.
- Simposio delle Ortodontiche, 27.2.2009-28.2.2009, Rom, IT.

OTHER RESEARCH AND PRESENTATION ACTIVITIES CONT'

- 28-29 November 2008 Katowice Biomechanika a problemy w ptaszczy'znie pionowej
- Curso International "Microimplantes en Ortodoncia", 21.8.2008, Lima, PE.
- The college of Diplomates 30th annual meeting, 13.7.2008-17.7.2008, St. Charles, Montana, US.
- 22 May 2008 Speaker Indiana University, School of Dentistry at Charles Burstone International Symposium on Bio-chemics
- SIBOS, 23.11.2007-25.11.2007, IT.
- Has skeletal anchorage widened the spectrum of orthodontics, 17.11.2007, Dresden, DE.
- Annual meeting of the Australian Orthodontic Society, 19.10.2007, AU.
- The Jarabak Scholarship - Indianapolis Orthodontic Society, 4.9.2007-8.9.2007, CA.
- FSODF, 1.6.2007-3.6.2007, FR.
- Irish Orthodontic Society - annual meeting, 28.4.2007-30.4.2007, IE.
- Congress of the Italian Orthodontic Society (SIDO), 2.3.2007-4.3.2007, IT.
- 11th Symposium of Craniofacial Development, 6.2.2007,
- Les Journées de L'Orthodontie, 6.2.2007,
- Orthodontic Society of Czech Republic, 6.2.2007, Prague, CZ.
- Orthodontic Society of Czech Republic, 23.11.2006-25.11.2006, Prague, CZ.
- Les Journées de L'Orthodontie, 11.11.2006-13.11.2006, Paris, FR.
- 1 Congresso Di Ortodoncia Del Medio Adriatico, 11.11.2006, Ancona, IT.
- Anchorage - Aarhus University Hospital, 6.10.2006, Aarhus, DK.
- International Short-Term Course in Orthodontics, 2.10.2006-15.12.2006, Århus, DK.
- SIBOS, 21.9.2006-23.9.2006,
- Bagger-Sørensen Prisen 2006, 1.9.2006, Århus, DK.
- 38th Annual Wendell Wylie Memorial Lecture, 16.6.2006, US.
- Prisen for the Annual Wendell Wylie Memorial Lecture, 16.6.2006, US.
- Prisen for Alton Moore Honorary Lecture, 26.2.2006, US.
- ALOA, 2.2.2006-5.2.2006, New York, US.
- 23-30 1996 March Internationall Alpine Dental Conference, France.
- International Long-Term Postgraduate Course in Orthodontics, 1.1.2006, Århus, DK.
- 14 May 1993 Approbation als Zahnärztin
- 9 June 1993 Ordfører ved La Sociedad Espanola de Ortodoncia en sa XXXIV Reunion Annual agradeee al sa co-laboracion cientifica como ponente oficial de este Congresso
- September 1993 Guest Editorial What should the average General Practitioner know about orthodontics... and what should he do? Journal of the D. A. S. A. This editorial first appeared in German in Philip Journal 6/93
- 14 May 1993 Approbation als Zahnärztin
- 9 June 1993 Ordfører ved La Sociedad Espanola de Ortodoncia en sa XXXIV Reunion Annual agradeee al sa co-laboracion cientifica como ponente oficial de este Congresso
- September 1993 Guest Editorial What should the average General Practitioner know about orthodontics... and what should he do? Journal of the D. A. S. A. This editorial first appeared in German in Philip Journal 6/93
- 22 August 1990 Sociedade Brasileira de Ortodontia. Lecture on A Influencia do Estado Periodontal No Tratamento Ortodontico., Rio de Janeiro
- 25 October 1990 Dagens portræt iPolitiken: Det rette smil
- 24 October 1990 Politiken: 50.000 for et flot smil
- 2-4 November 1989 7. International Conference for Orthodontists
- 30 June – 2 July 1986 Service d'Orthopédie Dento-Faciale et de Pédodontie, Universite Catholique de Louvain
- 11-14 May 1986 American Association of Orthodontics Annual Session. Chicago
- 11-14 May 1986 American Association of Orthodontics Annual Continuing Education Meeting, Chicago