

## **FORMAZIONE**

1960 Student, mathematics, physics and biology  
1965 Dental qualification, Royal Dental College, Copenhagen  
1971 Certificate in Orthodontics, Copenhagen University  
1978 Authorisation as a Specialist, trained in Orthodontics,  
The National Health Service of Denmark  
1989 Medical Research methodology,  
Copenhagen County University Hospital  
1994 Clinical Research methodology, Oral Function and Physiology,  
Copenhagen University  
1999 Biostatistic Research methodology, Aarhus University  
1999 Pedagogical University education, Aarhus University  
1999 Doctor of Medical Science, Karolinska Institutet, Stockholm  
2000 Promotion as Medical Doctor in Stockholm Town Hall  
2001-03 Management and Collaboration, Copenhagen Business Consult.

## **INCARICHI**

1965-67 Private general practice, Copenhagen  
1965-69 Frederiksberg Municipal Dental Health Service  
1966-71 Clinical teacher, Department of Orthodontics,  
Royal Dental College, Copenhagen  
1967-69 Faroes Isles in the North Sea of Denmark  
1969-73 Ballerup Municipal Dental Health Service  
1973-76 Western Zealand County Dental Health Service  
1976-78 Brøndby Municipal Dental Health Service  
1978- Copenhagen Municipal Dental Health Service,  
Department of Orthodontics, Denmark  
1995 Visiting professor, University of Illinois, Chicago  
1997-2000 Associate professor, Aarhus University, Denmark  
Royal Dental College, Department of Orthodontics  
2001- Visiting professor, Karolinska Institutet, Stockholm

## **BIOGRAFIA**

Marquis WHO 's WHO IN THE WORLD (USA)

## **ESPERIENZE DI RICERCA**

A long-term follow-up of more than 500 autotransplanted teeth used in orthodontic treatment, including color-coding technic to show tooth eruption and root growth of transplanted teeth, and the use of laser doppler technic, controlling pulp healing with a standardized, new method.

A long-term treatment and follow-up of biomechanical stimulated orthopedic bone distraction, bone modelling and remodelling of the Temporo-Mandibular-Joint using the Herbst appliance, controlled by standardized methods. The standardized materials collected from more than 700 consecutive patients treated with the Herbst appliance in adolescence to young adults.

A histomorphometric and scanning electron microscopy study of human condylar cartilage and bone tissue changes in relation to age (18-31 years of age).

A long-term study of 132 deciduous molars with agenesis of permanent successors, controlling the real need of treatment of agenesis.

Controlled clinical long-term research, that have the intention to move borders inside natural limits of biology with the reference to advance and improve treatments, practised inside orthodontics and natural borderlands of this discipline.

## **STUDI**

"A long-term study of 100 Herbst appliance treatments performed in period of puberty to adulthood."

"A long-term study of 132 persistent deciduous molars with agenesis of permanent successors."

"A histomorphometric and scanning electron microscopy study of human condylar cartilage and bone tissue changes in relation to age."

## **VALUTAZIONE DELLE QUALIFICHE PROFESSIONALI**

1997 Qualification assessed as associate professor of Department of Orthodontics, Royal Dental School, Aarhus University, Denmark. The judging and selection committee: professors Birte Melsen, Reinart Miethke and Beni Solow

## **ONORIFICENZE**

1990 DTF Prize for the best x-ray of the year.

Danish Dental Association's competition at the Annual Meeting.

1991 S.I.D.O. World Prize, the 3th (Società Italiana di Ortodonzia):

Best paper in orthodontics over the past two years.

1994 & 1996 Dean, professor E. Budtz-Jørgensen and wife's prize to promote the odontological science.

1995 Professor Chr. Holst's prize to promote the odontological science.

1995 S.I.D.O. Prize, national: Best Poster Award.

1999 S.I.D.O. Prize, international: Best Clinical Lecture Award

2004 Moyers Symposium, University of Michigan

## **MEMBRO DI COMITATO**

1993-2002 Danish Orthodontic Society

## **SOCIO ONORARIO**

1991 Honorary Member of the S.I.D.O.

Italian Society of Orthodontics - Società Italiana di Ortodonzia.

## **ISCRIZIONE AD ASSOCIAZIONI DI RICERCA**

1965 Danish Dental Association

1966 Danish Orthodontic Society

1969 European Orthodontic Society

1971 Danish Society of Specialists in Orthodontics

1988 New Association of Dentists in Denmark

1990 Danish Society of Craniomandibular disorders

1993 Harvard Society for the Advancement of Orthodontics

1991 Italian Society of Orthodontics – Società Italiana di Ortodonzia

1995 American Association of Orthodontists

1996 World Federation of Orthodontists

1996 Norwegian Orthodontic Association

1997 International Association of Dental Research

2000 Swedish Orthodontic Association

2001 International Bone and Mineral Society

## **RUOLI CONSULTIVI :**

## **COMITATO EDITORIALE DI RIVISTA**

2001 - Angle Orthodontist

## **REFEREE**

1993 - European Journal of Experimental Musculoskeletal Research  
1994 - American Journal of Orthodontics & Dentofacial Orthopedics  
1995 - European Journal of Orthodontics  
2000 - Clinical Orthodontics and Research  
2000 - Angle Orthodontist  
2001 - World Journal of Orthodontics  
2002 Histology and Histopathology

## **COLLABORAZIONI:**

## **ASSOCIAZIONI SCIENTIFICHE**

EOS: since 1984  
SIDO: since 1991  
AAO: since 1995  
SCO: 2004

## **RELATORE SU INVITO**

1985 Nederlandse Vereniging Voor Orthodontische Studie, Studyweek, Noordwijkerhout, Holland  
1986 British Society for the study of Orthodontics, Leicester, England  
1989 Finnish Dentist Society's Orthodontic Section, Imatra, Finland  
1990 Nederlandse Vereniging Voor Orthodontische Studie, Studyweek, Noordwijkerhout, Holland  
1991 Società Italiana Di Ortodonzia (SIDO), 11th International Congress, Sorrento, Italy  
1993 Johannes Gutenberg Universität, Mainz, Germany  
1993 Universitaire Ziekenhuizen, Leuven, Belgium  
1993 Freie Universität, Berlin, Germany  
1993 Biological mechanisms of tooth eruption, and replacement by implants, Danvers, USA  
1993 Società Italiana Di Ortodonzia (SIDO), 12th International Congress, Cernobbio, Italy  
1994 Società Italiana Di Ortodonzia (SIDO), 13th National Congress, Firenze, Italy  
1994 Japanese Association of Dental Research, 42 Annual Meeting, Osaka, Japan  
1995 University of Illinois, Chicago, USA  
1995 Moyers Symposium University of Michigan, Ann Arbor, USA  
1995 Biological Mechanisms of Tooth Movement & Craniofacial Adaptation, Danvers, USA  
1995 Società Italiana Di Ortodonzia (SIDO), 14th International Congress, Genova, Italy  
1997 Società Italiana Di Ortodonzia (SIDO), 16th International Congress, Venice, Italy  
1997 Nijmegen University, Department of Orthodontics, Nijmegen, Holland  
1997 Norsk Kjeveortopedisk Forening, Røros, Norway  
1997 International Baylor Orthodontic Symposium, Dallas, USA  
1997 Distraction Osteogenesis in Cranio-Maxillfacial Surgery, Stuttgart, Germany  
1998 International Symposium on Dentofacial Development and Function, 7th, Jerusalem, Israel  
1998 International Orthodontic Symposium, 98th, Rio de Janeiro, Brasil  
1999 American Association of Orthodontists, 99th Annual Session, San Diego, USA  
1999 Società Italiana Di Ortodonzia (SIDO), 18th International Congress, Rome, Italy  
1999 Encontro internacional de Ortodontia, 5th, Universidade de São Paulo, Brasil  
2000 American Association of Orthodontists, 100th Annual Session, Chicago, USA  
2000 Nederlandse Vereniging Voor Orthodontische Studie, Studyweek, Noordwijkerhout, Holland  
2001 Japanese Orthodontic Society, 60th Annual Meeting, Tokyo, Japan  
2001 Interdisciplinary Care Conference, Five disciplines, One focus, Dallas, USA

2001 Società Italiana Di Orthodontia (SIDO), 16th National Congress, Genova, Italy  
2001 Czech Orthodontic Society, Prague, Czech Republic  
2001 Umeå University, Department of Orthodontics, Umeå, Sweden  
2002 International Conference of Orthodontic Journals, Athens, Greece  
2002 60th anniversary, Faculty of Stomatology, Sofia, Bulgaria  
2002 IXth International Symposium on Dentofacial Development and Function, Istanbul, Turkey  
2002 Prague Dental Days, Czech Dental Chamber, Prague, Czech Republic  
2003 American Association of Orthodontists, 103th Annual Session, Hawaiian Islands, USA  
2003 European Orthodontic Society, 79th Congress, Prague, Czech Republic  
2004 Moyers Symposium, 31st annual, Ann Arbor, Michigan, USA  
2004 1st European Conference in Clinical Orthodontics, Berlin, Germany  
2004 American Association of Orthodontists, 104th Annual Session, Orlando, USA  
2004 Brasil Dental Association, Orthodontic Department of Bélem, Bélem, Brasil  
2004 Sociedad Colombiana De Ortodoncia  
2004 Società Italiana Di Orthodontia (SIDO), 18th National Congress, Florence, Italy

### **TESPERIENZE DIDATTICHE: LAUREATO**

1966-71 Department of Orthodontics, Dental School, Copenhagen University, Denmark  
1997-2000 Department of Orthodontics, Royal Dental College, Aarhus University, Denmark

### **RICERCHE CLINICHE DI PERFEZIONAMENTO**

1984 Department of Orthodontics, University of Oslo, Norway  
1985 Department of Orthodontics, University of Stockholm, Sweden  
1987 Dep. of Orthodontics, Odontologiska Institutionen, Jönköping, Sweden  
1989 Kieferorthopädische abteilung, Universität Giessen, Giessen, Germany  
1990 Kieferorthopädische abteilung, Universität Basel, Basel, Schweiz  
1991 Dep. of Orthodontics II, Tokyo Medical and Dental University, Japan  
1992 Department of Orthodontics, Harvard University, Boston, USA  
1993 Department of Orthodontics, Universitaire Ziekenhuizen, Leuven, Belgium  
1993 Kieferorthopädische abteilung, Universität Mainz, Mainz, Germany  
1993 Kieferorthopädische abteilung, Freie Universität, Berlin, Germany  
1994 Department of Orthodontics, Dental school, Aarhus University, Denmark  
1994 Philip-Pfaff-Inst., Fortbildung der Landes Zahnärtekammern Berlin, Germany  
1994 Depart of Orthodontics, Institutio Scientifico H San Raffaele, Milano, Italy  
1995 Kieferorthopädische abteilung, Universität Zürich, Zürich, Switzerland  
1995 Department of Orthodontics, University of Illinois, Chicago, USA  
1995 Department of Orthodontics, University of Michigan, Ann Arbor, USA  
1995 Depart of Orthodontics, Institutio Scientifico H San Raffaele, Milano, Italy  
1995 Department of Orthodontics, Dalhousie University, Halifax, Canada  
1996 Department of Orthodontics, University of North Carolina, Chapel Hill, USA  
1996 Kieferorthopädische abteilung, Universität Hamburg, Hamburg, Germany  
1996 Department of Orthodontics, Dental school, Aarhus University, Denmark  
1997 Kieferorthopädische abteilung, Humboldt-Universität zu Berlin, Germany  
1997 Department of Orthodontics, Nijmegen University, Mijmegen, Holland  
1997 Department of Orthodontics, Oklahoma University, Oklahoma, USA  
1997- Department of Orthodontics, Dental school, Aarhus University, Denmark  
1998 Department of Orthodontics, University of Karolinska, Stockholm, Sweden  
1999 Department of Orthodontics, University of Poznan, Polen  
1999 Kieferorthopädische abteilung, Frei Universität zu Berlin, Germany  
1999 Department of Orthodontics, University of Illinois, Chicago, USA  
1999 Hospital de reabilitação de anomalias craniofaciais, Universidade de São Paulo, Bauru, Brasil  
1999 Department of Orthodontics, University of Pavia, Italy  
2000 Department of Orthodontics, University of Toronto, Canada  
2000 Department of Orthodontics, University of Copenhagen, Denmark

2000 Kieferorthopädische abteilung, Universität Hamburg, Hamburg, Germany  
2000 Department of Orthodontics, Karolinska Institutet, Stockholm, Sweden  
2001 Department of Orthodontics, Karolinska Institutet, Stockholm, Sweden  
2001 Burlington Growth Centre, University of Toronto, Canada  
2001 Department of Orthodontics, Dental school, Aarhus University, Denmark  
2001 Department of Orthodontics, Dental school, Umeå University, Sweden  
2002 Department of Orthodontics, Karolinska Institute, Stockholm, Sweden  
2003 Department of Orthodontics, Istanbul University, Turkey  
2004 Department of Orthodontics, University of North Carolina, Chapel Hill, USA  
2004 Department of Orthodontics, University of Federico, Napoli, Italy  
2004 Department of Orthodontics, University of Ferrara, Italy  
2004 Department of Orthodontics, University of Bogota, Colombia

## **RICERCHE PUBBLICATE**

Paulsen HU. Changes in sagittal molar occlusion during growth. *Tandlægebladet* 75:1258-1267, 1975.

Paulsen HU. L'autotransplantation de prémolaires lors des traitements orthodontiques. Une nouvelle possibilité thérapeutique. *Rev Orthop Dento Faciale* 23: 209-223, 1989.

Bakke M, Paulsen HU. Herbst appliance in late adolescence: Clinical, electromyographic, kinesiographic and radiographic analysis of one case. *Eur J Orthod* 11: 397-407, 1989. This study has been supported by the Dannin Research Foundation.

Andreasen JO, Paulsen HU, Yu Z, Ahlquist R, Bayer T, Schwartz O. A long-term study of 370 autotransplanted premolars - Part I. Surgical procedure and standardized techniques for monitoring healing. *Eur J Orthod* 12: 3-13, 1990. This study has been supported by Danmarks Sundhedsfond.

Andreasen JO, Paulsen HU, Yu Z, Bayer T, Schwartz O. A long-term study of 370 autotransplanted premolars - Part II. Tooth survival and pulp healing subsequent to transplantation. *Eur J Orthod* 12: 14-24, 1990. This study has been supported by Danmarks Sundhedsfond.

Andreasen JO, Paulsen HU, Yu Z, Bayer T, Schwartz O. A long-term study of 370 autotransplanted premolars - Part III. Periodontal healing subsequent to transplantation. *Eur J Orthod* 12: 25-37, 1990. This study has been supported by Danmarks Sundhedsfond.

Andreasen JO, Paulsen HU, Yu Z, Bayer T. A long-term study of 370 autotransplanted premolars - Part IV. Root development subsequent to transplantation. *Eur J Orthod* 12: 38-50, 1990. This study has been supported by Danmarks Sundhedsfond and was in 1991 nominated with the 3th SIDO World Prize (Societa Italiana Di Ortodonzia).

Paulsen HU, Andreasen JO, Schwartz O. Risoluzione di casi di perdita di dentifrontali con autotraspianto di premolari. (translation: Treatment of tooth loss in the front by autotransplantation of premolars). *Ortogonatodonzia Italiana* 3: 429-438, 1994.

Paulsen HU, Karle A, Bakke M, Herskind A. CT-Scanning and radiographic analysis of temporomandibular joints and cephalometric analysis in a case of Herbst treatment in later puberty. *Eur J Orthod* 17: 165-175, 1995.

This study has been supported by the Health Foundation (Helsefonden), Denmark and the Dentists New National Association, Denmark.

Paulsen HU, Andreasen JO, Schwartz O. Pulp and periodontal healing, root development and root resorption subsequent to transplantation and orthodontic rotation. A long-term study of autotransplanted premolars. *Am J Orthod Dento Orthop* 108: 630-640, 1995.  
This study supported by Colgate-Palmolive A/S and Danish Dental Association.

Paulsen HU. Morphological changes on TMJ condyles of 100 patients treated with the Herbst appliance in the period of puberty to adulthood. A radiographic study. *Eur J Orthod* 19: 657-668, 1997. This study has been supported by the Health Foundation (Helsefonden), Denmark and the Danish Dental Association.

Paulsen HU, Karle A, Bakke M, Herskind A. Analyse des articulations temporo-mandibularis d'un cas traité par appareil de Herbst en fin de puberté. *Revue d'Orthopédie Dento-Faciale* 31: 295-306, 1997

Paulsen HU, Andreasen JO. Tooth eruption subsequent to transplantation. A longitudinal study of autotransplanted premolars. *Eur J Orthod* 20: 45-55, 1998.

Paulsen HU. Stimulation of mandibular growth using the Herbst appliance: A cephalometric study of 100 consecutive patients, treated in the period of puberty to adulthood. *Orthognatodonzia Italiana* 7: 27-44, 1998.

Paulsen HU, Rabøl A, Sølvsten Sørensen S. Bone scintigraphy of human temporo-mandibular joints during Herbst treatment. *Eur J Orthod* 20: 369-374, 1998.

Paulsen HU, Thomsen JS, Hougen HP, Mosekilde Li. A histomorphometric and scanning electron microscopy study of human condylar cartilage and bone tissue changes in relation to age. *Clinic Orthod Res* 2: 67-78, 1999.

Papika S, Paulsen HU, Shi X-Q, Welander U, Linder-Aronson S. Orthodontic application of color image addition to visualize differences between sequential radiographs. *Am J Orthod Dento Orthop* 115: 488-93, 1999.

Paulsen HU. Premolar autotransplantation in orthodontic treatment. A clinical and radiographic long-term study. Thesis. Kongl Carolinska Medico Chirurgiska Institutet, 1999. ISBN 91-628-3850-4.

Paulsen HU. Modifications des condyles de 100 patients traités par l'appareil de Herbst, entre la puberté et l'âge adulte: étude radiographique à long terme. *Revue d'Orthopédie Dento Faciale* 33: 421-142, 1999.

Paulsen HU and Karle A. Computer tomographic and radiographic changes in the in the temporo-mandibular joints of two young adults with occlusal asymmetry, treated with the Herbst appliance. *Eur J Orthod* 22: 649-656, 2000.

Cacciafesta V and Paulsen HU. Direct bonding of cast splint Herbst appliances: a clinical comparison between a resin-reinforced glass ionomer adhesive and a composite resin. *Prog Orthod* 2: 4-8, 2001.

Paulsen HU. Commentary. Autotransplantation of teeth in orthodontic treatment. *Am J Orthod Dento Orthop* 119: 336-337, 2001.

Paulsen HU, Shi X-Q, Welander U, Huggare J, Scheutz F. Eruption patterns of autotransplanted premolars visualized by radiographic color-coding. *Am J Orthod Dent Orthop* 119: 338-345, 2001.

Kitai N, Kreiborg S, Bakke M, Paulsen HU, Møller E, Darvan TA Pedersen H, Takada K. Three-dimensional Magnetic Resonance Image of the Mandible and Masticatory Muscles in a Case with Juvenile Chronic Arthritis Treated With the Herbst Appliance. *Angle Orthodontist* 72: 81-87, 2002.

Paulsen HU Autotransplantation of Teeth in Orthodontics: A Biological Method to Substitute Missing or Lost Teeth and Alveolar Bone. The 31st Annual Moyers Symposium, Craniofacial Growth Series, Center for Human Growth and Development, University of Michigan, 2004

## **CAPITOLI DI TESTI**

Paulsen HU, Zachrisson BU. Autotransplantation of teeth and orthodontic treatment planning. In: Andreasen JO. Atlas of replantation and transplantation of teeth. Mediglobe SA 1992, p. 257-277.

## **CONFERENZE E POSTERS**

1984 European Orthodontic Society, Florence, Italy.  
Paulsen HU, Andreasen JO.  
- Autotransplantation in orthodontic treatment.

1984 European Orthodontic Society, Florence, Italy.  
Paulsen HU, Andreasen JO.  
- Traumatic lost incisor replaced by autotransplantation and orthodontic treatment (Poster).

1986 Northern Society of Orthodontists, Copenhagen, Denmark.  
Paulsen HU, Andreasen JO.  
- Root development of autotransplanted premolars.  
- A long term statistical analysis of 370 cases.

1987 European Orthodontic Society, Rhodes, Greece.  
Bakke M, Paulsen HU\*.  
- Functional and morphological effects of Herbst appliance in late adolescence.

1987 European Orthodontic Society, Rhodes, Greece.  
Andreasen JO, Paulsen HU\*.  
- Root development of autotransplanted premolars.  
A long term statistical analysis of 370 cases.  
This paper published in 1990 was in 1991 nominated with the 3th SIDO World Prize (Societa Italiana Di Ortodonzia).

1988 European Orthodontic Society, London, England.  
Andreasen JO, Paulsen HU.  
- Pulp revascularization of autotransplanted premolars.  
A long term statistical analysis of 370 cases.

1989 12th Congress of the International Association of Dentistry for Children, Athens, Greece.  
Andreasen JO, Paulsen HU\*.  
- Root development of autotransplanted premolars, long term statistical analysis

1989 12th Congress of the International Association of Dentistry for Children, Athens, Greece.  
Paulsen HU, Andreasen JO.

- Autotransplantation of premolars in orthodontic treatment.

1989 12th Congress of the International Association of Dentistry for Children, Athens, Greece.  
Paulsen HU, Andreasen JO.

- Traumatic lost incisor replaced by autotransplantation and orthodontic treatment. (Poster).

1990 Société Française d'Orthopédie Dento Faciale, 63, Reunion Scientifique de Formation Continue, Paris, France.

Paulsen HU, Andreasen JO.

- La perte traumatique des incisives - Remplacement par une autotransplantation et le traitement orthodontique. (Poster).

1990 Société Française d'Orthopédie Dento Faciale, 63, Reunion Scientifique de Formation Continue, Paris, France.

Andreasen JO, Paulsen HU\*.

- Développement radiculaire des prémolaires autotransplantées:  
Etude statistique à long terme.

1990 European Orthodontic Society, Copenhagen, Denmark.

Andreasen JO, Paulsen HU\*.

- Periodontal healing subsequent to transplantation.  
- A long term statistical analysis of 370 cases. (Poster).

1991 13th Congress of the International Association of Dentistry for Children, Kyoto, Japan.  
Paulsen HU, Andreasen JO.

- Pulp survival, periodontal healing and root development of autotransplanted premolars. -  
New aspects of healing of selected autotransplanted premolars in orthodontic treatments.

1991 11th National Congress Società Italiana Di Ortodontia (S.I.D.O), Sorrento, Italy:  
"Current Controversies in Orthodontics" in occasion of the presentation of the 3th SIDO World Prize.

Paulsen HU, Andreasen HU.

- Autotransplantation of premolars in orthodontic treatments.

1992 European Orthodontic Society, Venice, Italy.

Paulsen HU, Andreasen JO, Schwartz O.

- Pulp survival, periodontal healing and root development of auto-transplanted premolars in orthodontic treatments.

1993 European Orthodontic Society, Stockholm, Sweden.

Paulsen HU, Karle A, Bakke M, Herskind A.

- Herbst treatment in late puberty. CT-scanning and radiographic analysis of temporomandibular joints. (Poster).

1993 European Orthodontic Society, Stockholm, Sweden.

Paulsen HU, Andreasen JO.

- Pulp healing of immature autotransplanted premolars in orthodontic treatments. (Poster).

1993 2nd NOF/CED Joint Meeting, Kolding, Denmark.

Paulsen HU, Karle A, Bakke M, Herskind A.

- Herbst treatment in late puberty. CT-scanning and radiographic analysis of temporomandibular joints. (Poster).

1993 XXV Anniversary and the XII National Congress of the S.I.D.O. Society, Cernobbio, Italy.

Paulsen HU, Karle A, Bakke M, Herskind A.



- Herbst treatment in late puberty. CT-scanning and radiographic analysis of temporomandibular joints. (Poster).

1993 XXV Anniversary and the XII National Congress of the S.I.D.O. Society, Cernobbio, Italy.  
Paulsen HU, Andreasen JO.

- Pulp healing of immature autotransplanted premolars in orthodontic treatments. (Poster).

1994 European Orthodontic Society, Graz, Austria.

Paulsen HU.

- Herbst treatment. The effect on TMJ condyles of 100 cases treated in the period of puberty to adulthood.

1994 XIII Convegno S.I.D.O. Firenze.

Paulsen HU.

- Herbst treatment. The effect on TMJ condyles of 100 cases treated in the period of puberty to adulthood.

1994 Japanese Association, Dental Research, 42 Annual Meeting, Osaka, Japan.

Paulsen HU, Andreasen JO.

Symposium: Autotransplantation of tooth and its Tissue Repair.

- Tooth Autotransplantation in Orthodontic Treatment.

1995 American Association of Orthodontists, 95th Annual Session and 1st World Orthodontic Congress in San Francisco, California.

Paulsen HU.

- TMJ Condyles of 100 Cases Treated with the Herbst Appliance in Period of Puberty to Adulthood.

1995 European Orthodontic Society, Bergen, Norway.

Paulsen HU, Andreasen JO.

- Tooth eruption subsequent to transplantation. A longitudinal radiographic study of autotransplanted premolars.

1995 European Orthodontic Society, Bergen, Norway.

Paulsen HU, Mosekilde Li, Hougen HP.

- Autopsy study of human TMJ condyles, 18-24 years. (Poster).

1995 Congresso Nazionale SIDO, Società Italiana di Ortodonzia, Genova.

Paulsen HU.

- Autotransplantation of teeth in orthodontic treatment. (Poster). Winner of The SIDO National Poster Award (Società Italiana di Ortodonzia)

1996 Danish Society of Craniomandibular disorders, Korsør.

Paulsen HU.

- Changes in TMJ elicited by continuously protrusion of the mandible.

1996 American Association of Orthodontists, 96th Annual Session, Denver, USA.

Paulsen HU.

- Condylar changes with the Herbst appliance.

1996 European Orthodontic Society, Brighton, England.

Paulsen HU.

- A cephalometric study of 100 consecutive patients treated with the Herbst appliance and followed until cessation of growth.

1996 European Orthodontic Society, Brighton, England.

Paulsen HU, Rabøl A, Sølvsten Sørensen S.

- Bone scintigraphy of human condyles during Herbst treatment (Poster).

1996 European Orthodontic Society, Brighton, England.

Paulsen HU, Thomsen JS, Hougen HP, Mosekilde Li.

- Histomorphometric study of human condyles (Poster).

1997 American Association of Orthodontists, 96th Annual Session, Philadelphia, USA.

Paulsen HU.

- Distraction of the mandible using the Herbst appliance.

1997 XIV SIDO Congress - International, Venice, Italy.

Paulsen HU.

- Stimulation of mandibular growth using the Herbst appliance: the treatment effects and changes in growth direction described by changes in intramatrix/matrix jaw rotation and bone modeling. Possibilities and timing of treatment. A cephalometric study of 100 patients treated in the period of puberty to adulthood.

1998 European Orthodontic Society, Mainz, Germany.

Paulsen HU

- A long-term study of 132 deciduous molars with agenesis of the permanent successors.

1998 European Orthodontic Society, Mainz Germany.

Orthopaedically induced distraction of the mandible.

A cephalometric study of 100 consecutive Herbst treatments.

1998 VIIth International Symposium on Dentofacial Development & Function, Jerusalem, Israel.

Paulsen HU

- Bone distraction of the mandible using the Herbst appliance.

1998 VIIth International Symposium on Dentofacial Development & Function, Jerusalem, Israel.

Paulsen HU

- A long-term study of 132 deciduous molars with agenesis of permanent teeth.

1999 American Association of Orthodontists, 99th Annual Session, San Diego, USA.

Paulsen HU

- Autotransplantation of teeth in orthodontic treatments.

1999 European Orthodontic Society, Strasbourg, France.

Paulsen HU

- Manipulation of craniofacial bone growth in humans in adolescence until adulthood executed with the Herbst appliance.

1999 European Orthodontic Society, Strasbourg, France.

Paulsen HU, Thomsen JS, Hougen HP, Mosekilde L.

- A histomorphometric and scanning electron microscopy study of human condylar cartilage and bone tissue changes in relation to age. (Poster).

1999 European Orthodontic Society, Strasbourg, France.

Kitai N, Murakami S, Bakke M, Møller E, Paulsen HU, Larsen P, Darvann TA, Takada K, Kreiborg S.

- Three-dimensional cranio-facial measurements using the three-dimensional virtual workstation. (Poster).

1999 XV SIDO Congress - International, Rome, Italy

Paulsen HU, Papika S, Shi X, Welander U, Linder-Aronson S.

- Orthodontic application of color image addition to visualize differences between sequential radiographs.

This study has been nominated with the SIDO International Clinical Lecture Award (Societa Italiana Di Ortodonzia).

2000 American Association of Orthodontists, 100th Annual Session, Chicago, USA.

Paulsen HU

- Growth manipulation with the Herbst appliance and Autotransplantation of pre-molars in orthodontics, and

- Manipulation of craniofacial bone growth in humans with the Herbst appliance (poster)

2000 European Orthodontic Society, Hersonissos, Crete, Greece.

Paulsen HU, X-Q Shi, U Welander, J Huggare, F Scheutz

- Eruption patterns of autotransplanted premolars visualized by radiographic col-our-coding

2000 European Orthodontic Society, Hersonissos, Crete, Greece.

Kitai N, Murakami S, Bakke M, Møller E, Paulsen HU, Larsen P,

Darvann TA, Takada K, Kreiborg S

- Three-dimensional Magnetic Resonance Imaging analysis of a patient with juve-nile chronic arthritis treated with the Herbst appliance

2000 VIII Interenational Symposium on Dentofacial Development and Function, Mainz, Germany.

- Manipulation of craniofacial bone growth in humans with the Herbst appliance (poster)

2001 American Association of Orthodontists, 101th Annual Session, Toronto, Canada.

Paulsen HU

A long-term survival study of 132 deciduous molars with hypodontia of permanent successors (table clinic)

2001 European Orthodontic Society, Gent, Belgium.

Paulsen HU

- Condylar bone resorption in human elicited during Herbst treatment

2001 Japanese Orthodontic Society, 60th Annual Meeting, Tokyo, Japan.

Paulsen HU

Autotransplantation of teeth in orthodontic treatment

2001 XVI SIDO Congresso National, Genova Italy

Paulsen HU

- Treatment of deciduous molars with hypodontia of the permanente successors

2002 American Association of Orthodontists, 102th Annual Session, Philadelphia, USA.

Paulsen HU

Bone Resorption in Human Condyles During Herbst Treatment (Oral Research)

2002 European Orthodontic Society, Sorrento, Italy.

Paulsen HU

- Does Herbst appliance treatment influence or restrict the nasopharyngeal air-way? (Poster)

2003 American Association of Orthodontists, 103th Annual Session, Hawaiian Islands, USA.

Paulsen HU

Twenty-Five Years of Experiences with Autotransplantation of Teeth in Orthodon-tic Treatment (Invited lecture)

2003 European Orthodontic Society, Prague, Czech.

Paulsen HU

Premolar autotransplantation in orthodontic treatment, - 25 years experience

2004 Moyers Symposium, Ann Arbor, Michigan, USA.

Paulsen HU

Autotransplantation of Teeth in Orthodontics.: A Biological Method to Substitute Missing or lost Teeth and Alveolar Bone.

2004 1st European Conference in Clinical Orthodontics, Berlin, Germany.

Paulsen HU

Tooth transplantation: the ideal solution for many patients with missing teeth

2004 American Association of Orthodontists, 104th Annual Session, Orlando, USA.

Paulsen HU

Twenty-Five Years of Experiences with the Herbst appliance (Invited lecture)

2004 European Orthodontic Society, Århus; Denmark.

Paulsen HU

Pain discomfort during the initial Herbst treatment period (Poster)

2004 XVI SIDO Congresso National, Florence Italy

Paulsen HU

- Tooth transplantation: the ideal biologic and estetic solution for many patients with missing teeth.

### **ALTRE CONFERENZE INTERNAZIONALI**

1985 Studyweek, Nederlandse Vereniging Voor Orthodontische Studie, Noordwijkerhout, Holland.

Paulsen HU, Andreasen JO.

- Autotransplantation in orthodontic treatment.

1985 Orthodontisches Symposium, Brno, Tschechoslowakei.

Paulsen HU, Andreasen JO.

- Autotransplantation in kieferorthopädische Behandlung.

1986 British Society for the Study of Orthodontics, Leicester, England.

Paulsen HU, Andreasen JO.

- Autotransplantation in orthodontic treatment.

1989 Finnish Dentist Society's Orthodontic Section, Imatra, Finland.

Paulsen HU, Andreasen JO.

- Autotransplantation of premolars, especially in relation to orthodontic treatment.

1990 Kieferorthopädische Abteilung, University of Basel, Switzerland.

Paulsen HU.

- Autotransplantation of premolars.

1990 Studyweek, Nederlandse Vereniging Voor Orthodontische Studie, Noordwijkerhout, Holland.

Paulsen HU, Andreasen JO.

- Pulp survival, periodontal healing and root development

- A long-term study of 370 autotransplanted premolars.

1992 Harvard School of Dental Medicine, Boston, USA.

Paulsen HU, Andreasen JO.  
- Autotransplantation of premolars.

1992 Harvard School of Dental Medicine, Boston, USA.  
Paulsen HU.  
- The Herbst appliance.

1993 Johannes Gutenberg Universität, Mainz, Germany.  
Paulsen HU, Andreasen JO.  
- Zahntransplantationen im Rahmen kieferorthopädischer Therapie  
- Möglichkeiten und Grenzen -.

1993 Universitaire Ziekenhuizen, Leuven, Belgium.  
Paulsen HU, Andreasen JO.  
- Autotransplantation of teeth in combination with orthodontic treatment: Indications and practical procedures.

1993 Freie Universität, Berlin, Germany.  
Paulsen HU, Andreasen JO.  
- Zahntransplantationen im Rahmen Kieferorthopädischer Therapie  
- Möglichkeiten und Grenzen -

1993 Freie Universität, Berlin, Germany.  
Paulsen HU.  
- Behandlung mit dem Herbst apparaturen.

1993 Biological mechanisms of tooth eruption, resorption and replacement by implants, Danvers, Massachusetts, USA.  
Organizer: Zeev Davidovitch, Harvard School of Dental Medicine.  
Paulsen HU, Andreasen JO.  
- Autotransplantation of premolars in orthodontic treatment: New aspects of pulp healing, root development and tooth eruption subsequent to transplantation.

1994 Scandinavian Orthodontic Society, Lillehammer, Norway  
Paulsen HU.  
- Autotransplantation of premolars in extraction and non-extraction cases.

1994 Philipp-Pfaff-Institut, Berlin, Germany.  
Paulsen HU.  
- Die Autotransplantation von Zähnen  
- Indikation, planung, chirurgisches Vorgehen, klinische Beispiele -

1994 Department of Orthodontics, San Raffaele Hospital, Milano, Italy.  
Paulsen HU.  
- Autotransplantation of teeth. Indications, examples and biology.

1995 Kieferorthopädische abteilung, Universität Zürich, Zürich, Switzerland.  
Paulsen HU.  
- Herbst treatment: biomechanics, technic, stability and effects.  
1995 Department of Illinois, University of Illinois, Chicago, USA.  
Paulsen HU.  
- Autotransplantation of teeth. Indications, examples and biology.

1995 Department of Illinois, University of Illinois, Chicago, USA.  
Paulsen HU.  
- Autotransplantation of teeth and morphological changes in the TMJ condyles us-ing the Herbst treatment.

1995 Department of Illinois, University of Illinois, Chicago, USA.

- Herbst treatment. Morphological changes in the TMJ condyles of 100
- patients treated with the Herbst appliance in the period of puberty to adulthood: A long-term radiographic study.

1995 The 22nd annual Symposium on Craniofacial Growth - The Moyers Symposium University of Michigan, Ann Arbor, Michigan, USA.

Paulsen HU, Andreasen JO, Schwartz O.

- Tooth Autotransplantation in Orthodontic Treatment.

1995 The V meeting of the Italian Orthodontics Schools, San Raffaele Hospital, Mi-lano.

Paulsen HU.

- Autotransplantation as therapy of choice for dental agenesis and loss of dental elements due to trauma.

1995 Biological Mechanisms of Tooth Movement & Craniofacial Adaptation.

International Conference. Danvers, Mass., USA. Organized by: Dr. Ze'ev Davi-dovitch, Harvard University og Dr. Louis Norton, University of Connecticut.

Paulsen HU.

- TMJ condyles of 100 patients treated with the Herbst appliance in the period of puberty to adulthood.

1995 Biological Mechanisms of Tooth Movement & Craniofacial Adaptation.

International Conference. Danvers, Mass., USA. Organized by: Dr. Ze'ev Davi-dovitch, Harvard University og Dr. Louis Norton, University of Connecticut.

Paulsen HU, Andreasen JO.

- Tooth eruption subsequent to transplantation: A longitudinal radiographic study of autotransplanted premolars.

1996 Department of Orthodontics, North Carolina, Chapel Hill, USA.

Paulsen HU.

- Autotransplantation of teeth in orthodontic treatment.

1996 Department of Orthodontics, Aarhus University, Aarhus, Denmark.

Paulsen HU.

- Herbst treatment and autotransplantation of teeth in orthodontics.

1996 Abteilung für Kieferorthopädie, Universitäts-Krankenhaus Eppendorf, Hamburg, Germany.

Paulsen HU.

- Autotransplantation of teeth, orthodontic aspects regarding indications, case presentations and long term results on pulp and periodontal healing.

1997 Philipp-Pfaff-Institut, Berlin, Germany.

Paulsen HU.

- Herbst-Scharnier und Jasper Jumper.
- Die Autotransplantation von Zähnen - Indikation, planung, chirurgisches und kieferorthopädische Vorgehen, klinische Beispiele -

1997 Department of Orthodontics, Nijmegen University, Holland.

Paulsen HU.

- New aspects about the Herbst treatment developed and executed in the Copenhagen Municipal Dental Health Service.

1997 Norsk Kjeveortopedisk Forening, Røros, Norway.

Paulsen HU.

- The Herbst appliance, clinical applications and clinical effects.  
Types of Herbst appliance, the effect on TMJ.  
Jasper Jumpers, clinical applications and clinical effects.  
Differences in effect between Herbst appliances & Jasper Jumpers.

1997 Norsk Kjeveortopedisk Forening, Røros, Norway.  
Paulsen HU.

- Autotransplantation of teeth in orthodontic treatment.  
Cases with combined autotransplantation and Herbst treatment.

1997 The First International Baylor Orthodontic Symposium, Dallas, USA.  
Paulsen HU

- Autotransplantation of Teeth and Bone Distraction using Herbst Appliance: New Biological Treatment Methods Using Nature's Own Materials in Orthodontics.

1997 International Symposium on Distraction Osteogenesis in Cranio-Maxillofacial Surgery, Stuttgart, Germany.

Melsen B, Paulsen HU\*

- Functional treatment of hemifacial microsomia - slow distraction.

1998 98th International Orthodontic Symposium, Rio de Janeiro, Brasil.

Paulsen HU

- Autotransplantation of teeth and manipulation of craniofacial bone growth in humans executed with the Herbst appliance.

1999 5th Encontro Internacional de Ortodontia, Universidade de São Paulo.  
Hospital de reabilitação de anomalias craniofaciais. Bauru, Brasil.

Paulsen HU

- Manipulation of craniofacial bone growth in humans in adolescence until adulthood executed with the Herbst appliance and autotransplantation of teeth, - using nature's own materials to reestablish defects in orthodontics.

2000 Studyweek, Nederlandse Vereniging Voor Orthodontische Studie,  
Noordwijkerhout, Holland.

Paulsen HU

- Is it possible to use the Herbst treatment in adults?.

2001 Interdisciplinary Care Conference, Five disciplines, One focus, Dallas, Texas, USA:  
Academy of general dentistry, American academy of pediatric dentistry  
American academy of periodontology, American association of orthodontists  
American college of prosthodontists

Andreasen JO\*, Paulsen HU\*

- Autotransplantation of teeth: What every dentist should know.

- Interdisciplinary management of the patient with impacted or ankylosed teeth

2001 XVI SIDO Congresso National, Genova Italy

Paulsen HU

- Autotransplantation of teeth in orthodontic treatment

2001 3. Congress of Czech Orthodontic Society, Prague, Czech Republic

Paulsen HU

Autotransplantation of teeth in orthodontic treatment

2001 Umeå University, Sweden

Herbst treatment and Autotransplantation of teeth

2002 International Conference of Orthodontic Journals, Greek Orthodontic Society, Athens, Greece Paulsen HU  
Bone resorption in human condyles during Herbst treatment.

2002 60th Anniversary, Faculty of Stomatology, Sofia, Bulgaria. Paulsen HU  
Teeth Autotransplantation.

2002 IXth International Symposium on Dentofacial Development and Function, Istan-bul, Turkey  
Paulsen HU  
Autotransplantation of Teeth in Orthodontic Treatment

2002 Prague Dental Days, Czech Dental Chamber, Prague, Czech Republic Paulsen HU  
Autotransplantation of Teeth in Orthodontic Treatment

2004 1st European Conference in Clinical Orthodontics, Berlin, Germany  
Paulsen, H U  
Class II treatment with the Herbst appliance

### **CONFERENZE NAZIONALI**

1986 Danish Dental Association's Annual Course, Copenhagen, Denmark.  
Andreasen JO, Paulsen HU.

- Autotransplantation of premolars.

1990 Århus Municipal Dental Health Service, Department of Orthodontics, Denmark.  
Paulsen HU.

- The Herbst appliance. Experiences from 100 cases.

1996 Department of Orthodontics, Aarhus University, Aarhus, Denmark.  
Paulsen HU.

- Herbst treatment and autotransplantation of teeth in orthodontics.

1998 Association of Danish Orthodontics Specialists, Munkebjerg, Denmark.  
Paulsen HU

- Manipulation on the growth of the TMJ with the Herbst Appliance.

1999 Danish Dental Association, Copenhagen, Denmark.

- A 10 years long-term study of survival of deciduous molars with aplasia of per-manent successors (premolars).

1999 Danish Dental Association, Copenhagen, Denmark.  
Autotransplantation and bone modelling.

### **CORSI DI PERFEZIONAMENTO ALL'ESTERO**

1984 University of Oslo, Department of Orthodontics, Bjørn Zachrisson, Norway.

- Study of the prognosis for premolars autotransplanted during a long period of time.

- Travelling scholarship received from the Copenhagen City Council.

1985 University of Stockholm, Karolinska Institute, Department of Orthodontics, Sten Linder-Aronson, Sweden.

- Study visit in connection with Lars Kriserson's doctoral thesis: "Autotrans-plantation of teeth, influence of different factors on periodontal and pulp healing".



1987 Odontologic Institution, Jönköping, Jüri Kuroi, Sweden.

- Study of the prognosis for persistence of premolars in patients with missing tooth germs for permanent teeth.

Duration of stay 3 days.

- Travelling scholarship received from the Copenhagen City Council.

1989 Eastman Institute, Stockholm, Olle Malmgren and Miumir Cvek, Sweden.

- Study visit in connection with "International Conference on Oral Trauma".

1989 University of Stockholm, Karolinska Institute, Department of Orthodontics, Sten Linder-Aronson, Sweden.

- Study visit to the research department for advice.

1989 University of Giessen, Kieferorthopädische Abteilung, Hans Pancherz, Germany.

- Study visit concerning experiences with the Herbst appliance during the adolescent growth period.

Duration of stay 2 days.

- Travelling scholarship received from the Copenhagen City Council.

1990 University of Basel, Kieferorthopädische Abteilung, Lennart Wieslander, Switzerland.

- Study visit concerning experiences with the Herbst appliance during the juvenile period of growth.

Duration of stay 2 days.

- Travelling scholarship received from the Copenhagen City Council.

1991 Tokyo Medical and Dental University, Department of Orthodontics II, Fujio Miura and Takayuki Kuroda, Japan.

- Study visit to the research department.

1992 Harvard School of Dental Medicine, Department of Orthodontics, Carla Evans, John Heeley, Coenraad F.A. Moorrees, Boston, USA.

- Study visit concerning knowledge about growth in the TMJ in the post pubertal period.

Duration of stay 12 days.

### **Associazioni:**

Children's Hospital Orthopedic Research Laboratory (Dr. Maarten Broess)

Forsyth Dental Center Research Laboratories (Mr. John Heeley),

Massachusetts General Hospital, Oral and Maxillofacial Surgery

(Dr. David Keith),

Harvard School of Dental Medicine, Facial Morphology and Engineering Laboratory (Dr. David Altobelli),

Harvard School of Dental Medicine, Oral Diagnosis Department incl. subtraction radiography technician (Dr. Richard Valachovic)

Children's Hospital, Craniofacial Clinic (Dr. John B. Mulliken) and Department of Dentistry.

1993 University of Stockholm, Karolinska Institute, Department of Orthodontics, Sten Linder-Aronson, Sweden.

- Fujio Miura, Tokyo, Japan: Super elasticity for clinical orthodontics and direct bonding systems.

1993 Harvard School of Dental Medicine, Department of Orthodontics.

Zeev Davidovitch, Boston, USA.

- Forsyth Dental Center Research Laboratories.

John Heeley, Boston, USA.

1994 Istituto Scientifico H San Raffaele, Department of Orthodontics,

Antonino Salvato, Milano, Italy.  
- Study visit at the department.

1994 Perimed, Sweden. Bertil Gazelius, Karolinska Institute, Sweden: Laser Doppler Flowmetry.  
- Study visit at the institute.

1995 Universität of Zürich, Kieferorthopädische abteilung, Paul Stöckli & Ulrich Theu-cher, Zürich, Switzerland.  
- Study visit at the department.

1995 University of Illinois, Department of Orthodontics, Carla Evans and T.M.Grabber, Chicago, USA.  
- Study visit at the department.

1995 University of Michigan, Department of Orthodontics, James A. McNamara, Jr. and Lysle E. Johnston, Ann Arbor, Michigan, USA.  
- Study visit at the department.

1996 University of North Carolina, Department of Orthodontics, William Proffit, Cha-pel Hill, USA.  
- Study visit concerning experiences with the appliance measuring tooth eruption.  
Duration of stay 2 days.

1996 University of Aarhus, Second International Symposium, 23-25 May.  
- Comprehensive Management of Craniofacial Asymmetries.  
Birte Melsen and Steen Sindet-Pedersen, organizers.

2001 Karolinska Institutet, Institute of Odontology, 25 January.  
Distraction osteogenesis and orthodontics - state of the art in two Finnish and Swedish centers.  
Jan Huggare and Agneta L-A Karsten, organizers.

## **PRESIDENTE**

1989 12th Congress of the International Association of Dentistry for Children, Athens, Greece.

1993 2nd NOF/CED Joint Meeting, Kolding, Denmark.

1995 American Association of Orthodontists 95 Annual Session and 4th Interna-tional Orthodontic Congress in San Francisco, California.

1995 Biological Mechanisms of Tooth Movement & Craniofacial Adaptation. Interna-tional Conference. Danvers, Mass., USA.

1997 International Symposium on Distraction Osteogenesis in Cranio-Maxillofacial Surgery. Stuttgart, Germany.