

PUBLICATIONS

- 1) Melsen B. **A Radiographic Craniometric Study of Dimensional Changes in the Nasal Septum from Infancy to Maturity.** Acta Odont Scand 1967;25:541-561.
- 2) Melsen B. **Time of closure of the spheno-occipital synchondrosis determined on dry skulls. A radiographic craniometric study.** Acta Odont Scand 1969;27:73-90.
- 3) Melsen B, Enemark H. **Effect of cervical anchorage studied by the implant method.** Europ Orthod Soc Trans 1969.
- 4) Melsen B. **Computerized comparison of histological methods for the evaluation of cranio-facial growth.** Acta odont Scand 1971;29:295-319.
- 5) Melsen B. **The postnatal growth of the cranial base in Macaca Rhesus analyzed by the implant method.** Tandlægebladet 1971;75:1320-1329.
- 6) Melsen B, Nielsen K. **A method for quantitation of the amount of bone and osteoid in undecalcified sections.** Israel J Med Sci. 1971;7:441-443.
- 7) Nielsen K, Melsen B. **Kvantitative metoder i knoglepatologien.** Ugeskrift for Læger 1972;134:1605-1607.
- 8) Melsen B. **A histological study of the influence of sutural morphology and skeletal maturation on rapid palatal expansion in children.** Trans Europ Orthod Soc. spec.issue, 1972;499-507.
- 9) Melsen B. **Time and mode of closure of the spheno-occipital synchondrosis determined on human autopsy material.** Acta Anat 1972;83:112-118.
- 10) Fejerskov O, Melsen B, Karring T. **Morphometric analysis of occlusal fissures in human premolars.** Scand J Dent Res 1973;81:505-510.
- 11) Melsen B. **The cranial base. The postnatal development of the cranial base studied histologically on human autopsy material.** Thesis. Acta Odont Scand 1974;32:Suppl. 64.
- 12) Melsen B, Rølla G. **Behandling af børn på 1. klassetrin med ekstrem høj cariesfrekvens.** Tandlægebladet 1974;78:937-942.
- 13) Christensen HC, Melsen B. **Relationship between tooth size and third molar agenesis.** Scand J Dent Res 1974;82:552-556
- 14) La Cour S, Melsen B, Schramm JE. **A method for studying changes in sagittal structures of the rat skull.** Scand J Dent Res 1974;82:622-626.
- 15) Schramm JE, Melsen B, La Cour S. **Papain-induced changes in the cranial base of rats.** Scand J Dent Res 1974;82:627-631
- 16) Melsen F, Melsen B. **The relation between densitometric and quantitative histological analysis of bone specimens from the iliac crest.** Clin Orthop Rel Res 1975;117:321-326.
- 17) Melsen B. **Palatal growth studied on human autopsy material.** Am J Orthod 1975;68:42-54.
- 18) Møller I, Melsen B, Jensen S, Kirkegaard E. **A histological chemical and X-ray diffraction study on contemporary (Carcharias glaucus) and fossilized (Macrota odontaspis) shark teeth.** Arch Oral Biol 1975;20:797-803.
- 19) Rølla G, Melsen B, Sönju T. **Sulphated macromolecules in dental plaque in the monkey Macaca Irus.** Arch Oral Biol 1975;20:341-343.
- 20) Rølla G, Melsen B. **On the mechanism of the plaque inhibition by chlorhexidine.** J Dent Res 54 1975; Special Issue B, B57-B62.
- 21) Agerbaek N, Melsen B, Rølla G. **Application of chlorhexidine by oral irrigation systems.** Scand J Dent Res 1975;83:284-287
- 22) Rølla G, Melsen B. **Desorption of protein and bacteria from hydroxyapatite by fluoride and monofluorophosphate.** Caries Research 1975;9:66-73.
- 23) Krogstad S, Sönju T, Melsen B, Rølla G. **Isolation of a 35S- labelled sulphated glycoprotein from the rabbit submandibular gland.** J Biol Buccale 1975;3:53-63.
- 24) Fejerskov O, Silverstone LM, Melsen B, Møller IJ. **Histological features of fluorosed human dental enamel.** Caries Res 1975;9:190-210.

PUBLICATIONS CON'T

- 25) Melsen B. **Senile knogleforandrings indflydelse på ortodontiske tandforskydninger.** Proc 2nd Gerontol Congr Astra 1976;336-339.
- 26) Melsen F, Melsen B, Mosekilde L. **Behandlingsmuligheder ved osteoporose.** Proc. 2nd Gerontol Congr Astra 1976:355-359.
- 27) Melsen F, Viidik A, Melsen B, Mosekilde L. **Some relations between bone strength, ash weight and histomorphometry.** Proc 2nd International workshop on bone histomorphometry 1976.
- 28) Viidik A, Melsen F, Melsen B. **Evaluation of representativity of cancellous bone from iliac crest biopsies for weight-bearing function.** Calcif Tis Res 1976:400-403.
- 29) Melsen B, Melsen F, Mosekilde L. **Bone changes of importance in the orthodontic patient with epilepsy.** Trans Europ Orthod Soc 1976:17-23.
- 30) Poulsen S, Agerbaek N, Melsen B, Korts DC, Glavind L, Rølla G. **The effect of professional tooth cleansing on gingivitis and dental caries in children after 1 year.** Community Dent Oral Epidemiol 1976;4:195-199.
- 31) Agerbaek N, Poulsen S, Melsen B, Glavind L. **The effect of professional tooth cleansing every third week on gingivitis and dental caries in children.** Community Dent Oral Epidemiol 1977;6:40-41.
- 32) Melsen B, Moss L. **The effect of methylazoxymethanol on growth of the spheno-occipital synchondrosis in rats.** Acta Anat 1977;97:300-306.
- 33) Melsen B. **Histological analysis of the postnatal development of the nasal septum.** Angle Orthod 1977;47:83-96.
- 34) Melsen B. **Ortodontisk diagnostik i almen praksis.** Odontologi. 7, Ed. Munksgaard, 1977;54-66.
- 35) Melsen B. **Langzeitbeobachtungen an Headgearfällen. Ein Implantatstudium. (Long-term observations of Headgear cases - An Implant Study).** Fortschr Kieferorthop 1977;38:424-434.
- 36) Melsen B. **Gesichtswachstum während und nach der Headgear Behandlung. (Growth of the face during and after Headgear treatment).** ÖDZ 1977;5:46-55.
- 37) Melsen B. **Wichtige altersbedingte Faktoren für die Effektivität und Silität einer gaumen Nahterweiterung.** ÖDZ 1978;30(4):46-51.
- 38) Melsen B. **Effects of cervical anchorage during and after treatment: an implant study.** Am J Orthod 1978;73:526-540
- 39) Rølla G, Melsen B, Sönju T. **Is sulphated blood-group substance in pancreas a factor in cystic fibrosis.** Acta Path Microbiol Scand Sect A 1978;86:83-86.
- 40) Birkebæk L, Agerbæk N, Melsen B. **Ortodontisk behandling af ekstremt maksillært overbid opstået i forbindelse med parodontologisk lidelse hos en voksen.** Tandlægebladet 1978;82: 575-579.
- 41) Pedersen J, Stensgaard K, Melsen B. **Prevalence of malocclusion in relation to premature loss of primary teeth.** Community Dent Oral Epidemiol 1978;6:204-209.
- 42) Melsen F, Melsen B, Mosekilde L. **An evaluation of the quantitative parameters applied in bone histology.** Acta Path Microbiol Scan Sect A 1978;86:63-69.
- 43) Melsen F, Melsen B, Mosekilde L, Bergmann S. **Histomorphometric analysis of normal bone from the iliac crest.** Acta Path Microbiol Scand Sect A 1978;86:70-81.
- 44) Agerbaek N, Melsen B, Lind OP L, Glavind L, Kristiansen B. **Effect of regular small group instruction per se on oral health status of Danish schoolchildren.** Community Dent Oral Epidemiol 1979;7:17-20.
- 45) Bjerregaard J, Ellegaard B, Melsen B. **Voksenortodonti - kombineret ortodontisk/parodontologisk behandling.** Tandlægebladet 1979;82:551-557.
- 46) Christensen HC, Melsen B. **Roentgencephalometry, Syllabus,** Aarhus, 1979.
- 47) Melsen B, Agerbaek N, Rølla G. **Topical application of 3% monofluorophosphate in a group of schoolchildren.** Caries Res 1979;13:344-349.
- 48) Michalsen H, Rølla G. **Sulphated glycoproteins in the pancreas.** Monogr Paediat 1979;10:148-150.
- 49) Melsen B, Stensgaard K, Pedersen J. **Sucking habits and their influence on swallowing pattern and prevalence of malocclusion.** Eur J Orthod 1979;1:271-280.
- 50) Jensen Børglum L, Melsen B, Jensen Boerglum S. **Effect of acupuncture on headache measured by reduction in number of attacks and use of drugs.** Scand J Dent Res 1979;87:373-380.

PUBLICATIONS CON'T

- 51) Roelling I, Melsen B. **Dentin formation in formocresol pulpo-tomized primary monkey teeth studied by tetracycline and 3Hproline incorporation.** Scand J Dent Res 1979;87:4-03-414.
- 52) Tallgren A, Melsen B, Hansen MA. **An electromyographic and roentgen-cephalometric study of occlusal morphofunctional disharmony in children.** Am J Orthod 1979;76:394-409.
- 53) Stensgaard K, Melsen B, Glahn M, Slott D. **Bidrekonstruktion involverende ortodonti, ki-rurgi og brobehandling hos voksen patient.** Tandlægebladet 1979;83:503-508.
- 54) Melsen F, Melsen B. **Generelle faktorer indflydelse på vævsreaktioner.** In: Nordisk Klinisk Odontologi. A/S Forlaget for Faglitteratur. 1979;15:IV-I.
- 55) Melsen B. **Introduktion.** Afsluttende bemærkninger. NKO 15 1979.
- 56) Melsen B, Pancherz H. **Aktivatorbehandling.** NKO 15-VI-I, 1979.
- 57) Melsen B, Kaae O, Rölla G. **Penetration of ions in human dental plaque.** Archs Oral Biol 1979;24:75-81.
- 58) Melsen B, Melsen F. **The cranial base in anencephaly and microcephaly studied histologically.** Teratology 1980;22:271-277
- 59) Melsen B, Agerbæk N, Zeuner E, Rölla G. **Plaque inhibition by guanidino propyl piperazine (CKO 569A).** Scand J Dent Res 1980;88:210-213.
- 60) Nielsen HE, Melsen F, Melsen B, Christensen P et al. **Relationships of bone mineral content, ash weight and bone mass.** Clinical Orthop 1980;153:241-247.
- 61) Melsen B, Agerbæk N. **En evaluering af 3 forskellige profylakseprojekter udført i en kommunal børnetandpleje.** Tandlægebladet 1980;84:45-50.
- 62) Melsen B, Agerbaek N. **Effect of an instructional motivation program on oral health in Danish adolescents after 1 and 2 years.** Community Dent Oral Epidemiol 1980;8:72-78.
- 63) Melsen B. **Treatment problems in adult patients.** Studieweek 1980, Holland: 219-236. Nederlandse Vereniging Voor Orthodontische Studie.
- 64) Bjerregaard J, Bundgaard AM, Melsen B. **The effect of the mandibular lip bumper, and maxillary bite plate on tooth movement, occlusion and space conditions in the lower dental arch.** Eur J Orthod 1980;2:257-265.
- 65) Melsen B. **Malocclusion nei bambini del Nord-Italia in relazione allo sviluppo della dentizione. (Malocclusion in Northern Italian children in relation to development of the dentition).** Mondo Ortodontico 1980;3:38-43.
- 66) Melsen B. **Removable orthodontic appliances.** Oral Health 1981;71:21-30.
- 67) Melsen B, Melsen F, Moss ML. **Postnatal development of the nasal septum studied on human autopsy material.** In: Craniofacial Biology. D.S. Carlson (Ed.) Monograph no. 10. Craniofacial Growth Series, 1981.
- 68) Melsen B. **Tandstillingsanomalier.** Ugeskrift for Læger 1981;143:1173-1174.
- 69) Melsen B. **Removable orthodontic appliances.** Dent Clin North America 1981;25:157-176.
- 70) Melsen B. **Interceptiv ortodonti specielt med henblik på behandlinger udført med Quad Helix apparatur.** Odontologi 1982:135-146, Munksgaard.
- 71) Wenzel A, Melsen B. **Skeletal maturity in 6-16 year-old Danish children assessed by the Tanner-Whitehouse-2 method.** Ann Hum Biol 1982;9:277-281.
- 72) Wenzel A, Thylstrup A, Melsen B, Fejerskov O. **The relationship between water-borne fluoride, dental fluorosis and skeletal development in 11-15 year old Tanzanian girls.** Arch Oral Biol 1982;27:1007-1011.
- 73) Melsen B. **Hvornår skal tænder rettes?** Helse 1982;8-9.
- 74) Wenzel A, Melsen B. **Replicability of assessing radiographs by the Tanner and Whitehouse-2 method.** Ann Hum Biol 1982;54,3: 575-581.
- 75) Melsen B, Melsen F. **The postnatal development of the palatomaxillary region studied on human autopsy material.** Am J Orthod 1982;82:329-342.
- 76) Williams S, Melsen B. **Voksne kan også få rettet tænder.** Helse 1982;28:14-15.
- 77) Melsen B. **Preprosthetic movement of anterior teeth.** Revue Belge de medecine dentaire 1982;37:114.
- 78) Williams S, Melsen B, Agerbaek N, Asboe V. **The orthodontic treatment of malocclusion in patients with previous**

PUBLICATIONS CON'T

- periodontal disease.** Br J Orthod 1982;9:178-184.
- 79) Williams S, Melsen B. **Condylar development and mandibular rotation and displacement during activator treatment.** Am J Orthod 1982;81:322-326.
- 80) Williams S, Melsen B. **The interplay between sagittal and vertical growth factors.** Am J Orthod 1982;81:327-332.
- 81) Ousterhout DK, Melsen B. **Cranial base deformity in Apert's syndrome.** Plast Reconstr Surg 1982;69:254-263.
- 82) Wenzel A, Thylstrup A, Melsen B. **Skeletal development and dental fluorosis in 12-14-year-old Danish girls from a fluoride and a non-fluoride community.** Scand J Dent Res 1982;90:83-88.
- 83) Melsen B, Terp S. **The influence of extractions caries causa on the development of malocclusion and need for orthodontic treatment.** Swed Dent J 1982;Suppl 15:163-169.
- 84) Melsen B. **Behandlungsprobleme bei Erwachsenen Patienten. (Problems during treatment of adult patients).** Fortschr Kieferorthop 1983;44:12-27.
- 85) Melsen B, Rölla G. **Reduced clinical effect of monofluorophosphate in the presence of sodium lauryl sulphate.** Caries Res 1983;17:549-553.
- 86) Melsen B, Kaae O, Rölla G. **Penetration of fluoride chlorhexidine in human dental plaque in vitro.** Caries Res 1983;17:113-117
- 87) Bundgaard M, Bjerregaard J, Melsen B, Terp S. **An electromyographical study of the effect of a mandibular lip bumper.** Eur J Orthod 1983;5:149-156.
- 88) Fotis V, Melsen B, Terp S. **Riproducibilita delle misure lineari e angolari nell'analisi cefalometrica. (Reproducibility of Angular and Linear Measurements in Cephalometric Analysis).** Mondo Ortodontico 1983:27-38.
- 89) Kraft J, Melsen B. **Prophylaxe in der Zahnheilkunde - Analyse des derzeitigen Informationsstandes. Prophylaxis in odontology - analysis of the current level of information).** Österr Z Stomatol 1983;80:293-298.
- 90) Wenzel A, Henriksen J, Melsen B. **Nasal respiratory resistance and head posture: Effect of intranasal corticosteroid (Budesonide) in children with asthma and perennial rhinitis.** Am J Orthod 1983;84:422-426.
- 91) Melsen B. **The postnatal development of the palatal maxillary complex.** Nova Acta Leopoldina 1984;58:207-212.
- 92) Wenzel A, Droschl H, Melsen B. **Skeletal maturity in Austrian children assessed by the G-P and the TW-2 methods.** Ann Human Biol 1984;11:173-177.
- 93) Fotis V, Melsen B, Williams S, Droschl H. **Vertical control as important ingredient in the treatment of severe sagittal discrepancies.** Am J Orthod 1984;86:224-232.
- 94) Birkebæk L, Melsen B, Terp S. **A laminagraphic study of the alterations in the temporomandibular joint following activator treatment.** Eur J Orthod 1984;6:257-266.
- 95) Melsen B. **Möglichkeiten und Grenzen der Molareneinstellung. (Possibilities and limits of molar adjustment).** Z Stomatol 1984;81:485-488.
- 96) Melsen B, Fotis V, Burstone CJ. **Principi biomeccanici in ortognatodonzia. (Biomechanical Principles in Orthodontics. Part I).** Parte I, Mondo Ortodontico 1985:61-73.
- 97) Fotis V, Melsen B, Williams S. **Posttreatment changes of skeletal morphology following treatment aimed at retraction of maxillary growth.** Am J Orthod 1985;88:288-296.
- 98) Ousterhout DK, Melsen B. **Deformities of the cranial base in Apert's syndrome,** In: Craniofacial Surgery. Ernesto P. Caronni (Ed.), Little, Brown and Company, Boston/Toronto 1985:20-26. l'adulte. Orthod Fr 1986;57:403-419.
- 100) Bundgaard M, Melsen B, Terp S. **Changes during and following total maxillary osteotomi (Le Fort procedure). A cephalometric study.** Eur J Orthod 1986;8:21-29.
- 101) Josephsen K, Melsen B, Fejerskov O. **The development of the face and oral cavity. In: Human oral embryology and histology.** Mjör IA, Fejerskov O. (eds.), Munksgaard, 1986; chap. 1, 10-30.
- 102) Bjerregaard J, Melsen B, Kølsen-Petersen J. **Multidisciplinær behandling. Kombineret bidfunktionel, ortodontisk, kirurgisk og protetisk behandling af voksne patient.** Tandlægebladet 1986;90:443-449.
- 103) Melsen B. **Tissue reaction following application of extrusive and intrusive forces to teeth in adult monkeys.** Am J Orthod 1986;89:469-475.

PUBLICATIONS CON'T

- 104) Melsen B, Wenzel A, Miletic T, Andresen J, Vagn-Hansen PL. **Dental and skeletal maturity in adoptive children: assessments at arrival and after one year in the admitting country.** Ann Hum Biol 1986;13:153-159.
- 105) Melsen B, Fotis V, Burstone CJ. **Principi biomeccanici in ortognatodonzia. (Biomechanical Principles in Orthodontics. Part II).** Parte II, Mondo Ortodontico 1986;19-32.
- 106) Melsen B. **Stand der Erwachsenen-Kieferorthopädie, - Wo liegen die Grenzen. (Status of Orthodontic Treatment for adults - Where are the limits?).** Orthodontie und Kieferorthopädie 1986;2:149-176.
- 107) Melsen B. **Die Bedeutung rationaler Biomechanik bei der orthodontischen Behandlung erwachsener Patienten. (The importance of rational Biomechanics for the Orthodontic Treatment of adult patients).** Prakt Kieferorthop 1986;1:5-14
- 108) Melsen B, Bjerregaard J, Bundgaard M. **The effect of treatment with functional appliance on a pathological growth pattern of the condyle.** Am J Orthod 1986;90:503-512.
- 109) Piardi G, Melsen B, Williams S, Agerbaek N. **The prevalence of dental caries in 9-11 year old children from Northern Italy.** Mondo Odontostomatologico 1986;5:51-57.
- 110) Melsen B. **The postnatal development of the palata maxillary complex.** Nova acta Leopoldina NF 1986;58:207-212.
- 111) Kraft J, Melsen B, Havelec L. **Wie sehen Lehrlinge ihre Zähne und die Zahnbehandlung? Ergebnisse einer Fragebogenstudie.** Z Stomatol 1986;83:513-520.
- 112) Melsen B. **Mise au point l'orthodontie de l'adulte. Quelle en sont les limitities? (Development of Adult Orthodontics. What are the Limits?)** Orthopedie Dento Faciale 1986;20:537-566.
- 113) Kimmel FP, Athanasiou AE, Melsen B. **Evaluation de la kinesiologie mandibulaire par lintermediaire de laxiographie tridementionnelle, du sirognathographie, de la electromyographie, et de la photocclusion.** L'Orthodontie Francaise 1986;57:593-604.
- 114) Hörup N, Melsen B, Terp S. **The relationship between malocclusion and maintenance of teeth.** Community Dent Oral Epide-miol 1987;15:74-78.
- 115) Melsen B, Ousterhout DK. **Timing and placement of the posterior maxillary osteotomy in Le Fort procedures, on the basis of anatomy and development.** In: Craniofacial Surgery. Proceedings of the First International Congress of The International Society of Cranio-Maxillo-Facial Surgery. Ed. Daniel Marchac, Springer-Verlag Berlin, Heidelberg, New York, London, Paris, Tokyo, 1987;170-179.
- 116) Melsen B, Ousterhout DK. **Anatomy and development of the pterygopalatomaxillary region, studied in relation to Le Fort osteotomies.** Ann Plast Surg 1987;19:16-28.
- 117) Melsen B, Williams S, Ronay F. **Differenzierte Kräftesysteme zur Aufrichtung von Molaren. (Differential force systems to upright molars).** Z Stomatol 1987;84:1-85-193.
- 118) Melsen B, Hörup N, Terp S. **Factors of importance for maintenance of teeth.** Community Dent Oral Epidemiol 1987;15:74-78
- 119) Melsen B, Attina L, Santuari M, Attina A. **Relationships between swallowing pattern, mode of respiration, and development of malocclusion.** Angle Orthod 1987;57:113-120.
- 120) Melsen B. **Traitement orthodontique de patients presentant des lesions parodontales (Orthodontic treatment of patients with periodontal involvement).** Journal de Parodontologie 1987;6:285-296.
- 121) Melsen B, Athanasiou AE. **Soft Tissue Influence in the Development of Malocclusion.** The Royal Dental College, Aarhus, Denmark, 1987.
- 122) Melsen B. **Adult orthodontics: factors differentiating the selection of biomechanics in growing and adult individuals.** Int J Adult Orthod Orthog Surg 1988;3:167-177.
- 123) Melsen B, Agerbaek N, Eriksen J, Terp S. **New attachment through periodontal treatment and orthodontic intrusion.** Am J Orthod 1988;94:104-116.
- 124) Melsen B. **JCO/interviews on adult orthodontics.** JCO 1988;22:630-641.
- 125) Melsen B. **Indicazioni e limiti del trattamento ortodontico nell'adulto. (Indications and Limits of Adult Orthodontic Treatment).** Monto Ortodontico. 1988.
- 126) Kraft J, Melsen B, Tedesco LA, Havelec L. **Wie sehen 12-jährige Schulkinder und deren Eltern die kieferorthopädische Behandlung - Ergebnis einer Meinungsbefragung im internationalen Vergleich. (How 12-year old pupils and their parents view Orthodontic Treatment - results of an opinion poll in an international compari-**

PUBLICATIONS CON'T

- son**). Z Stomatol 1988;85:329-334.
- 127) Fotis V, Burstone CJ, Melsen B. ***Il ruolo del momento nel sistema delle forze ortognatodontiche. (The Role of the Moment in the Orthodontic Force System)***. Mondo Ortodontico, 1988.
- 128) Nielsen L, Melsen B, Terp S. ***Clinical classificatin of 14-16 year-old Danish children according to functional status of the masticatory system***. Community Dent Oral Epidemiol 1988;16:47-51.
- 129) Melsen B, Burstone CY. ***Orthodontie de l'adulte: une interview du Docteur Birte Melsen par le Docteur Burstone (Orthodontics in Adults: An Interview of Dr. Birte Melsen by Dr. Burstone)***. Revue D'Orthopedie Dento Faciale 1989;23:263-275.
- 130) Melsen B. ***Interview über Kieferorthopädie bei Erwachsenen. (Interview about Orthodontics for adults)***. Informationen aus Orthodontie und Kieferorthopädie mit Beiträgen aus der internationalen Literatur. 1989:321-334.
- 131) Athanasiou AE, Melsen B, Eriksen J. ***Concerns, motivation and experiences of orthognathic surgery patients: A retrospective study of 152 patients***. Int J Adult Orthod Orthog Surg 1989;4(1):47-55.
- 132) Nielsen L, Melsen B, Terp S. ***Prevalence, interrelation, and severity of signs of dysfunction from the masticatory system in 14-16-year-old Danish children***. Community Dent Oral Epidemiol 1989;17:91-96.
- 133) Melsen B. ***Orthodontic treatment of the degenerated dentition***. In: Orthodontics in an aging society, D.S. Carlson (Ed.), Monograph 22, Craniofacial Growth Series, Center for Human Growth and Development, The University of Michigan, Ann Arbor, 1989;105-136.
- 134) Melsen B. ***La reponse du parodonte au traitement orthodontique. (The Response of the Periodontium to Orthodontic Treatment)***. J Parodont 1989;8:207-213.
- 135) Athanasiou AE, Melsen B, Kimmel PF. ***Occlusal teeth contacts in natural adult dentition in centric occlusion studied by means of the Photoclusion Technique***. Scand J Dent Res 1989;97:439-445.
- 136) Athanasiou AE, Melsen B, Mavreas D, Kimmel PF. ***Stomatognathic function of patients with dentofacial deformities seeking orthognathic surgery therapy***. Int J Adult Orthod Orthog Surg 1989;4:239-254.
- 137) Melsen B. ***Dentistry in the 21st Century***. Whitebook from World Symposium 1989 Berlin.
- 138) Melsen B, Agerbaek N, Markenstam G. ***Intrusion of incisors in adult patients with marginal bone loss***. Am J Orthod 1989;96:232-241.
- 139) Melsen B. ***Erwachsenen-kieferorthopädie - Unterscheidungs- merkmale bei der Auswahl der Biomechanik für Heranwachsende und Erwachsene. (Orthodontics for adults - distinctive features in the selection of Biomechanics for adolescents and adults)***. Quintessenz 1989;1639-1655.
- 140) Ronay F, Kleinert W, Melsen B, Burstone CJ. ***Force System Developed by "V"-bends in an Elastic Orthodontic Wire***. Am J Orthod 1989;96:295-301.
- 141) Melsen B, Burstone CJ. ***Vertical force considerations in differential space closure***. J Clin Orthod 1990;24:678-683.
- 142) Fiorelli G, Melsen B, Gioretti R. ***Fondamenti di biomeccanica nell'uso della barra transpalatale e dell'arco linguale. (Biomechanic Fundamentals in the use of Transpalatal arch and the Lingual arch)***. Mondo Ortod 1990;15:625-637
- 143) Nielsen L, Melsen B. ***TMJ function and the effect on the masticatory system of 14-16 year-old Danish children in relation to orthodontic treatment***. Eur J Orthod 1990;12:254-262.
- 144) Piardi G, Melsen B, Heidmann J. ***Condizioni della dentatura in campione di bambini anni 8-9 del Nord Italia. (Dentition status in a sample of Northern Italian Children aged 8-9)***. Riv Ital Odontoiatria 1990;1:41-48.
- 145) Melsen B, Burstone CJ. ***Introduction to Biomechanics. Syllabus, Aarhus, 1989. Melsen B, Burstone CJ. Basis der Biomekanik***. The Royal Dental College, Aarhus, 1990. Melsen B, Burstone CJ. Asymmetry. Occlusograms. The transpalatal arch and the lower lingual arch. In: Melsen B, Burstone CJ. eds. Biomechanics, The Royal Dental College, Aarhus 1990, 75-127.
- 146) Ronay F, Kleinert W, Melsen B, Burstone C. ***Das Kräftesystem von V-Biegungen im elastischen orthodontischen Draht. (A system of forces of V-bends placed in elastic orthodontic wire)***. Inf Orthod Kieferorthop 1990;22:181-190
- 147) Sullivan PK, Melsen B, Mulliken JB. ***Calvarial sutural abnormalities: metopic synostosis and coronal deformation An anatomic, three-dimensional radiographic and pathologic study***. Plast Recon Surg 1990;86:1072-1077.
- 148) Viteporn S, Melsen B, Terp S. ***Postsurgical Change of Mandibular Position in Patients following Le Fort I***

PUBLICATIONS CON'T

- osteotomy.** Int J Adult Orthod Orthogn Surg, 1990;5:No 2., 91-98
- 149) Norton LA, Andersen KL, Melsen B, Arenholt Bindlev D, Celis JE. **Buccal mucosa fibroblasts and periodontal Ligament Cells Perturbed by Tensile Stimuli In Vitro.** Scand J Dent Res 1990;98:36-46.
- 150) Melsen B, Fotis V, Burstone CJ. **Vertical force considerations in differential space closure.** J Clin Orthod 1990;24:678-683
- 151) Josephsen K, Melsen B, Fejerskov O. **Desenvolvimento da face e da cavidade oral. (Oral and Facial Development).** In: Embriologia e Histologia Oral Humana. Mjör IA, Fejerskov O. (eds.). Medicina Panamericana Editora do Brasil Ltda, Sao Paulo, 1990; chapt.1,10-30.
- 152) Melsen B, Athanasiou AE. **Soft tissue influence in the development of malocclusion (2nd ed),** The Royal Dental College, Aarhus, 1990.
- 153) Melsen B, Norton LA. **Functional Appliances.** In: Controversies in Orthodontics, Melsen B. (ed.), Quintessence Publishing Co. Inc. Chicago, Illinois, 1991, Chap. 5, 103-130.
- 154) Melsen B. **Limitations in Adult Orthodontics.** In: Controversies in Orthodontics, Melsen B (ed.), Quintessence Publishing Co. Inc. Chicago, Illinois, 1991, Chap. 7, 147-180.
- 155) Grymer LF, Melsen B. **The Morphology of the Nasal Septum in Identical Twins.** The Laryngoscope 1991;101:81-88.
- 156) Andersen KL, Pedersen EH, Melsen B. **Material parameters and stress profiles within the periodontal ligament.** Am J Orthod Dentofac Orthop 1991;99:427-440.
- 157) Gianniri AI, Melsen B, Nielsen L, Athanasiou AE. **Occlusal contacts in maximum intercuspitation and craniomandibular dysfunction in 16 to 17-year-old adolescents.** J Oral Rehabil 1991;18:49-59.
- 158) Grymer LF, Pallisgaard C, Melsen B. **The nasal septum in relation to the development of the nasomaxillary complex: A study in identical twins.** Laryngoscope 1991;101:863-868.
- 159) Farsaris N, Athanasiou AE, Tedesco L, Melsen B. **Comparison of attitude and level of information towards orthodontic treatment and malocclusion between children from Greece and three other European countries.** Orthod Rev 1991;3:5-11
- 160) Melsen B. **Biomekanik - Hvor står vi?** Tandlægebladet 1991;95:871-876.
- 161) Melsen B, Agerbaek N. **Kann die parodontale Verankerung von Zähnen durch kieferorthopädische Behandlung verbessert werden? (Can the periodontal attachment be improved by orthodontic treatment?)** Prakt Kieferorthop 1991;5:11-16.
- 162) Melsen B, McNamara J Jr, Hoenie CD. **Effect of biteblocks and repelling magnets on root formation of unerupted premolars in Macaca monkeys.** Proc Finn Dent Soc 1991;87:109-114.
- 163) Melsen B. **Editor of Controversies in Orthodontics,** Quintessence Publishing Co. Inc. Chicago, Illinois, 1991. Melsen B. **Recenti controversie in ortodonzia.** Scienza e tecnica dentistica edizioni internazionali s.r.l./Milano, 1991.
- 164) Andersen KL, Mortensen HT, Pedersen EH, Melsen B. **Determination of stress levels and profiles in the periodontal ligament by means of an improved three dimensional Finite-Element-Model for various types of orthodontic and natural force systems.** J Biomedical Eng 1991;13:293-303.
- 165) Melsen B. **Tissue reaction to orthodontic therapy.** In: Mechanical and biological basics in orthodontic therapy. Hösl E, Baldauf (eds.) Hüthig Verlag, Heidelberg, 1991, 1-19.
- 166) Viteporn S, Enemark H, Melsen B. **Postnatal craniofacial skeleton development following a pushback operation of patients with cleft palate.** Cleft Palate J 1991;28:392-396.
- 167) Mavreas D, Melsen B. **Equilibrium situations in bend force systems.** Letter to the Editor. Am J Orthod Dentofac Orthop 1991;100:21A.
- 168) Melsen B, Kristensen B. **La Lista dei problemi lo scopo del trattamento la scelta della meccanica. (The Problem List; The Treatment Goal; The Biomechanic Selection).** Bollettino di Informazione 1991;45:6-13.
- 169) Melsen B. **Dentistry and Science in the 21st Century: Developing New Paradigms.** In: R.J.Simonsen (ed.) Dentistry in the 21st Century. A Global Perspective. Quintessence, 1991, 115-119.
- 170) Melsen B. **Gewebsreaktion auf die kieferorthopädische Therapie. (Tissue reaction as a result of orthodontic therapy).** In: Hösl E, Baldauf A (eds). Mechanische und biologische Grundlagen der kieferorthopädischen Therapie.

PUBLICATIONS CON'T

Hüthig Verlag, Heidelberg, 1991;1-20.

- 171) Pedersen EH, Andersen K, Melsen B. **Tooth displacement analysed on human autopsy material by means of a strain gaugetechnique.** Eur J Orthod 1991;13:65-74.
- 172) Melsen B, Guerra L, Milano F, Agerbaek N. **Spezialisierung und Teamwork - Zukunft der Zahnheilkunde. (Specialization and teamwork - the future of odontology).** Phillip Journal 1992;10:439-444.
- 173) Andersen KL, Pedersen EH, Melsen B. **Materialparameter und Belastungsmuster im Parodontalligament. (Material parameters and load patterns in the periodontal ligament).** Informationen 1992;4:537-554.
- 174) Athanasiou AE, Melsen B. **Craniomandibular dysfunction following surgical correction of mandibular prognathism.** Angle Orthod 1992;62:9-14.
- 175) Melsen B, Agerbaek N. **É possibile migliorare con una terapia ortodontica l'attacco periodontale? (Is it possible to improve the Periodontal Attachment with Orthodontic Therapy?)** Quintessence International 1992;4:307.
- 176) Melsen B, Agerbaek N. **Fremtidens voksentandpleje.** Odontologi '92, Munksgaard. 1992, 63-79.
- 177) Melsen B, Kragsskov J. **Tissue reaction to intrusion of periodontally involved teeth.** In: The Biological Mechanisms of Tooth Movement and Craniofacial Adaptation. Z. Davidovitch (ed.), The Ohio State University, College of Dentistry 1992, 423-430.
- 178) Melsen B, Kristensen B. **Problem list - Treatment goal - Selection of mechanics.** Prakt Kieferorthop 1992;6:233-242.
- 179) Melsen B. **Uno sguardo all'odontoiatria del futuro. (A Glance at the Dental Care of the Future).** Mondo Ortodontico '92
- 180) Norton LA, Andersen KL, Arenholt-Bindslev D, Melsen B. **Simulated orthodontic strain applied to human PDL using an in vitro model.** In: Biological Mechanisms of Tooth Movement and Craniofacial Adaptation. Davidovitch Z (ed.), The Ohio State University, College of Dentistry 1992, 211-220.
- 181) Melsen B. **Qualità e stabilità del trattamento ortodontico. (Quality and Stability of Orthodontic Treatment).** Mondo Ortodontico. 1992;XVII:365-366.
- 182) Melsen B, Guerra L, Milano F, Agerbaek N. **Kritik an der mangelnden Offenheit für moderne Behandlungswege. Spezialisierung und Teamwork - Zukunft der Zahnheilkunde für neue Formen der Zusammenarbeit. (Criticism of the lack of openness to modern treatment methods. Specialization and teamwork - Future of the odontology for new forms of cooperation).** Phillip Journal 1992;10:439-444.
- 183) Melsen B. **Ortodonti og æstetik.** Tandlægebladet, 1993;97:-439-445.
- 184) Melsen B. **Wieviel muss der allgemeinpraktische Zahnarzt von Kieferorthopädie verstehen und tun können? (How much must a general dentist understand about orthodontics and how much must he be able to do?)** Phillip J. 1993;10:255.
- 185) Melsen B, Milano F, Guerra L, Agerbaek N. **Lavoro d'équipe quale aiuto reciproco? Il futuro dell'Odontoiatria.** Dental Cadmos 1993;8:104-108.
- 186) Melsen B, Milano F, Guerra L, Agerbaek N. **Lavoro d'équipe perché? Il futuro dell'Odontoiatria.** Dental Cadmos 1993; 7:64-69.
- 187) Fiorelli G, Melsen B. **La Biomeccanica in Ortodonzia. Il Libro Elettronico. (Biomechanics in Orthodontics: Electronic Book, 2nd Edition).** CD-ROM. Libra Ortodonzia - Maggio 1993.
- 188) Giunta D, Keller J, Farsø Nielsen F, Melsen B. **Dentine formation in miniature pigs with special reference to indomethacin and orthodontic treatment.** Scand J Dent Res 1993;101:261-264.
- 189) Miethke R-R, Melsen B. **Adult orthodontics and periodontal diseases - a 9 year review of the literature from 1984 to 1993.** Prakt Kieferorthop 1993; 7:249-262.
- 190) Melsen B, Klemm B, Guerra L, Milano F. **Teamarbeit - die Zukunft in der Zahnheilkunde. (Teamwork - the future in odontology).** Phillip Journal 1993; 11:515-521.
- 191) Melsen B. **What should the average general practitioner know about orthodontics and what should he do?** Guest Editorial. Journal of the D.A.S.A., 499, September 1993.
- 192) Mittermair I, Melsen B, Bantleon H-P. **Therapeutische Möglichkeiten nach iatrogenen Schädigung des Parodontiums von Frontzähnen. (Therapeutic possibilities after iatrogenic damage of the periodontium of the anterior teeth).** Prakt Kieferorthop 1994 8:53-58.

PUBLICATIONS CON'T

- 193) Melsen B, Fiorelli G. **Biomechanics: Computer-Based Mechanotherapy**. J Clin Orthod 1994;XXVIII:136-141.
- 194) Melsen B, Agerbaek N. **Orthodontics as an adjunct to rehabilitation**. Periodontology 2000 1994;4:148-159.
- 195) Bosch C, Melsen B. **Principios de ortodoncia infantil para el pediatra. (Orthodontic Principles for the Pedodontist)**. Espanoles de Anales Pediatría 1994;XXV:118-124
- 196) Melsen B, Bonetti G, Giunta D. **Statically Determinate Transpalatal Arches**. J Clin Orthod 1994;28, 10:602-606.
- 197) Melsen B, Topp L, Melsen HM, **Terp S. Force system developed from closed coil springs**. Eur J Orthod 1994;16:531-539.
- 198) Melsen B, McNamara JA, Hoenie DC. **The effect of bite-blocks with and without repelling magnets studied histomorphometrically in the rhesus monkey (Macaca mulatta)**. Am J Orthod Dentofac Orthop 1995;108:500-509
- 199) Mavreas D, Melsen B. **Financial consequences of reducing treatment availability in a publicly-funded orthodontic service. A decision analysis problem**. Br J Orthod, 1995;22(1):47-51.
- 200) Bergamini A, Melsen B. **Case Report: Treatment of dental asymmetry**. Angle Orthod 1995;65:247-252.
- 201) Melsen B. **Orthodontic diagnoses**. Nordisk lærebog. 1995.
- 202) Melsen B, Agerbaek N. **La Ortodoncia Como Comolemento De La Rehabilitation. (The Orthodontic Complement of Oral Rehabilitation)**. Ortodonticia Espanola, 1995;36:numero1
- 203) Bosch C, Melsen B, Vargervik K. **Guided Bone Regeneration in Calvarial Bone Defects Using Polytetrafluoroethylene Membranes**. Cleft Palate-Craniofacial Journal 1995;32:311-317.
- 204) Giunta D, Keller J, Nielsen Farsoe F and Melsen B. **Influence of indomethacin on bone turnover related to orthodontic tooth movement in miniature pigs**. Am J Orthod & Dentofac 1995;108:361-366.
- 205) Pedersen Klit T, Grönhøj J, Melsen B and Herlin T. **Condylar condition and mandibular growth during early functional treatment of children with juvenile chronic arthritis**. Eur J Orthod 1995;17:385-394.
- 206) Norton LA, Andersen KL, Arenholt-Bindslev D, Andersen L, Melsen B. **A methodical study of shape changes in human oral cells perturbed by a simulated orthodontic strain IN VITRO**. Archs oral Biol 1995;40:863-872.
- 207) Melsen B, Baumrind S. **Clinical Research Applications of Cephalometry**. Orthodontic Cephalometry. Mosby-Wolfe. Athanasiou AE,ed. 1995;9:181-202.
- 208) Melsen B, Olesen M, Oestergaard L, Agerbaek N, Lang K. **The relation between strain values and cellular reaction studied in trabecular bone by means of a finite element analysis**. IN: Biological Mechanisms of Tooth Movement and Craniofacial Adaption. ed. Zeev Davidovitch 1996. Harvard Society for the Advancement of Orthodontics.
- 209) Melsen B. **Computerbaseret biomekanik. (Computer based Biomechanics)** Odontologi '96, Munksgaard. 1996:25-39
- 210) Melsen B, Fiorelli G. **Upper molar intrusion**. J Clin Orthod 1996;30:91-96.
- 211) Fiorentino G, Melsen B. **Asymmetric Space Closure in the Lower Jaw**. J Clin Orthod 1996;XXX:519-523.
- 212) Melsen B, Fiorelli G, Bergamini A. **Uprighting of lower molars**. J Clin Orthod 1996;XXX:11:640-647.
- 213) Melsen B. **Management of Severely Compromised Orthodontic Patients**. IN: Biomechanics in Clinical Orthodontics, ed. R. Nanda, W.B. Saunders Co., Philadelphia. 294-319, 1996.
- 214) Melsen B, Fiorelli G. **Computerized treatment planning**. Book chapter, 1996.
- 215) Ripamonti U, Bosch C, Van den Heever B, Duneas N, Melsen B, Ebner R. **Limited Chondro-osteogenesis by Recombinant Human Transforming Growth Factor- β 1 in Calverial Defects of Adult Baboons (Papio ursinus)**. J Bone Min Res 1996; 11:938-945.
- 216) Bosch C, Melsen B, Gibbons R, Vargervik K. **Human Recombinant Transforming Growth Factor- β 1 in Healing of Calvarial Bone Defects**. J Craniofac Surg 1996;7:300-310.
- 217) Dr. Birte Melsen **sobre Ortodoncia para Adultos. (Adult Orthodontics)**. J Clin Orthod 1996;II:217-229. Spanish Edition
- 218) Melsen B, Fiorelli G. **Computer-Based Mechanotherapy Clinical Impressions** 1996;5:8-9:20-22.
- 219) Fiorelli G, Melsen B. **Biomechanics in Orthodontics**. Il Libro Elettronico. CD-ROM. Libra Ortodonzia-1996;109(3)334.

PUBLICATIONS CON'T

- 220) Melsen B, Fiorelli G. **Computer Aided Orthodontic Treatment Planning**. In: Sachdeva RCL, Bantleon HP, White L, Johnson J. *Orthodontics for the next millennium*. Ormco, 1997;47-56.
- 221) Melsen B, Bosch C. **Different approaches to anchorage**. *Angle Orthod* 1997;67 (1):23-30.
- 222) Melsen B, Fiorelli G. **Biomecánica: Mecanoterapia Basada en la Computación. (Computer Based Biomechanics)**. *J Clin Ortop* 1997;3:152-157.
- 223) Melsen B, Klemm B. **Adjunctive orthodontics as part of interdisciplinary treatment: A case report**. *Int J Adult Orthod & Orthognath Surg* 1997;12:233-242.
- 224) Milano F, Melsen B. **Guided Tissue Regeneration Using Bioresorbable Membranes: What is the Limit in the Treatment of Combined Periapical and Marginal Lesions?** *Int J Period & Res Dent* 1997;17:417-425.
- 225) Melsen B, Konstantellos V, Lagoudakis L, Planert J. **Kombinierte Intrusion und Retraktion, ausgehend von Hebelarmen mit Schlaufen. (Combined intrusion and retraction based on lever arms with straps)**. *J Orofac Orthop/Fortschr Kieferorthop* 1997;58(4):232-241.
- 226) Laino A, Melsen B. **Orthodontic treatment of a patient with multidisciplinary problems**. *Am J Orthod & Dentofac Orthop* 1997;111:141-148.
- 227) Melsen B, Fontenelle A. **Place de l'orthodontie dans les traitements inter-disciplinaires. (The Place of Orthodontics in Interdisciplinary Treatments)**. *L'orthodontie Francaise* 1997;68:1:121-138.
- 228) Pizzoni L, Ravnholt G, Melsen B. **Frictional Forces related to Self-Ligating Brackets**. *Eur J Orthod* 1998;20:283-291.
- 229) Melsen B, Kölsen Pedersen J, Costa A. **Zygoma Ligatures - An Alternative Anchorage in the Upper Jaw**. *J Clin Orthod* 1998;32:154-158.
- 230) Costa A, Raffaino M, Melsen B. **Mini-screw as Orthodontic Anchorage**. *Int J Adult Orthod Orthog Surg*, 1998;13:201-209
- 231) Melsen B, Fiorelli G. **The Role of Computerized Orthodontics in the Future**. IN: *The future of orthodontics*. Carels C, Willems G. eds. Leuven University Press, Belgium. 1998:171-179.
- 232) Melsen B, Fiorelli G, Bergamini A. **Enderezamiento de los Molares Inferiores. (Lower Molar Uprighting)**. *J Clin Orthod, Edicion En Espanol, Invierno* 1998;12-17.
- 233) Bosch C, Melsen B, Vargervik K. **Importance of the Critical-Size Bone Defect in Testing Bone-Regenerating Materials**. *J Craniofac Surg* 1998;9:310-316.
- 234) Melsen B. **Asymmetrien - eine Herausforderung an die kieferorthopädische Diagnostik und Therapie. (Asymmetries - a challenge to Orthodontic Diagnosis and Therapy)**. *Kieferorthop* 1998;12:215-232.
- 235) Cacciafesta V, Bosch C, Melsen B. **Clinical comparison between a resin-reinforced self-cured glass ionomer and a composite resin for direct bonding of orthodontic brackets: Part I: wetting with water**. *Clin Orthod Res* 1998;1:29-36
- 236) Miethke RR, Melsen B. **Effect of variation in tooth morphology and bracket position on first and third order correction with preadjusted appliances**. *Am J Orthod Dentofac Orthop* 1999;116:329-335.
- 237) Menghi C, Planert J, Melsen B. **3-D Experimental Identification of Force Systems from Orthodontic Loops in First Order Corrections**. *Angle Orthod* 1999;69(1):49-57.
- 238) Melsen B. **Biological Reaction of Alveolar Bone to Orthodontic Tooth Movement**. *Angle Orthod* 1999;69:151-158.
- 239) Melsen B. **Interview. Scientific Journal of the Greek Orthodontic Society**. 1999;2:1-8.
- 240) Melsen B, Verna C. **A rational approach to orthodontic anchorage**. *Prog Orthod* 1999;1:10-22.
- 241) Nidoli MC., Nielsen Farsø F., Melsen, B. **Endochondral vs. Intramembranous Demineralized Bone Matrices as Implants for Osseous Defects**. *J Craniofacial Surg* 1999;3:177-185.
- 242) Cacciafesta V, Melsen B. **The rectangular loop: Biomechanical principles and clinical applications in three-dimensional control of single-tooth discrepancies**. *Prog Orthod* 1999;1:23-36.
- 243) Dalstra M, Melsen B. **Force systems developed by six different cantilever configurations**. *Clin. Orthod. Res.* 1999 Feb;2(1):3-9
- 244) Fiorelli G, Melsen B. **The "3-D occlusogram" software** *Am J orthod and dento fac orthoped* 1999;166:363-368
- 245) Melsen, B. **Lingually inclined incisors**. *WJO*, 2000;1:71-78.

PUBLICATIONS CON'T

- 246) Melsen, B. Costa A. **Cargo inmediata de implantes utilizados como anclaje en ortodoncia. (Immediate Loading of Miniscrews)**. Acta Dent Int 2000; 1 (4): 205-210)
- 247) Melsen B, **Accroissement des possibilités thérapeutiques orthodontiques à l'aide de l'ancrage Aarhus. (Widening the orthodontic possibilities with the Aarhus Anchorage)**. Journal de Parodontologie & d'implantologie orale 2000;19:333-347
- 248) Dalstra M, Denes G, Melsen B. **Titanium-niobium, a new finishing wire alloy**. Clin Orthod Res Clin Orthod Res. 2000 Feb;3(1):6-14.
- 249) Melsen B, Costa A. **Immediate loading of implants used for orthodontic anchorage**. Clin Orthod Res Clin Orthod Res. 2000 Feb;3(1):23-8.
- 250) Fiorelli G, Melsen B, Modica C. **The design of custom orthodontic mechanic**. Clin Orthod Res 2000;3:210-219.
- 251) Kùseler, A. Melsen, B. **Orthodontic Treatment: Art or Science?** JCO 2000;6:371-375.
- 252) Melsen B. **Tissue reaction to orthodontic tooth movement - A new paradigm. The Sheldon Friel Memorial Lecture**. Eur J Orthod. 2001 Dec;23(6):671-681.
- 253) Melsen B, Lang N. **Biological reactions of alveolar bone to orthodontic loading of implants**. Clin Oral Impl Res. 2001 Apr;12(2):144-152.
- 254) Melsen B, Dalstra M, Cattaneo PM. **Osseous Reaction to Orthodontic Tooth Movement**. Journal de Parodontologie & d'Implantologie Orale. 2001;20:313-329.
- 255) Cacciafesta V, Bosch C., Melsen B, Andreasen TT. **Growth hormone treatment promotes guided bone regeneration in rat calvarial defects**. Eur J Orthod 2001;23:733-740.
- 256) Kalia S, Melsen B. **Interdisciplinary approaches to adult orthodontic care**. J Orthod. 2001;28:191-196.
- 257) Donker HJ, Melsen B, Frandsen EVG, **Bacterial degradation of composite bonding materials**. Clin. Orthod. Res. 2001;4:112-118.
- 258) Cacciafesta V, Melsen B. **Mesial bodily movement of maxillary and mandibular molars with segmented mechanics: a case report**. 2001 Accepted for Clin. Orthod. Res 2001;4:182-188.
- 259) Liu D, Melsen B. **Reappraisal of Class II molar relationships diagnosed from the lingual side**. Clin. Orthod. Res. 2001;4:97-104.
- 260) Bassarelli T, Melsen B. **Expansion: how much can the periodontium tolerate**. Clin. Orthod. Res 2001;4:235-241.
- 261) Fiorelli G, Melsen B, Modica C. **Differentiated orthodontic mechanics for dental midline correction**. J Clin Orthod. 2001 Apr;35(4):239-44.
- 262) Pedersen TK, Jensen JJ, Melsen B, and Herlin T. **Resorption of the temporomandibular Condylar bone According to Subtypes of Juvenile Chronic Arthritis**. J Rheumatol 2001;28:2109-15.
- 263) Benedetti M, Bosch C, Melsen B. **Changes occurring during and after treatment of class III malocclusion with rapid palatal expansion and face mask**. Wrld J Orthod 2002;3(3):199-210.
- 264) Melsen B, Biaggini P. **The Ray Set: a new technique for precise indirect bonding**. J Clin Orthod. 2002 Nov;36(11):648-54
- 265) Allais D, Melsen B. **Does labial movement of lower incisors influence the level of the gingival margin? A case-control study of adult orthodontic patients**. Eur J Orthod. 2003 Aug;25(4):343-52.
- 266) Lazaridou-Terzoudi T, Kiyak HA, Moore R, Athanasiou AE, Melsen B. **Long-term assessment of psychologic outcomes of orthognathic surgery**. J Oral Maxillofac Surg. 2003 May;61(5):545-52.
- 267) Fiorelli G, Melsen B, Modica C. **Two-vector mechanics**. Prog Orthod. 2003;4(2):62-73. English, Italian.
- 268) Verna C, Melsen B. **Tissue reaction to orthodontic tooth movement in different bone turnover conditions**. Orthod Craniofac Res. 2003 Aug;6(3):155-63.
- 269) Verna C, Dalstra M, Melsen B. **Bone turnover rate in rats does not influence root resorption induced by orthodontic treatment**. Eur J Orthod. 2003 Aug;25(4):359-63.
- 270) Rizzo L, Cacciafesta V, Melsen B. **Clinical comparison between a modified light-curing denture base resin and a conventional composite resin for orthodontic bonding**. Prog Orthod. 2003;4:8-14.

PUBLICATIONS CON'T

- 271) Melsen B, Dalstra M. **Distal molar movement with Kloehn headgear: is it stable?** Am J Orthod Dentofacial Orthop. 2003 Apr;123(4):374-378.
- 272) Cattaneo PM, Dalstra M, Melsen B. **The transfer of occlusal forces through the maxillary molars: a finite element study.** Am J Orthod Dentofacial Orthop. 2003 Apr;123(4):367-73.
- 273) Verna C, Troiani S, Luzi C, Melsen B. **Passive and active overlay systems.** J Clin Orthod. 2004 Dec;38(12):673-6; quiz 671-2
- 274) Verna C, Dalstra M, Lee TC, Cattaneo PM, Melsen B. **Microcracks in the alveolar bone following orthodontic tooth movement: a morphological and morphometric study.** Eur J Orthod. 2004 Oct;26(5):459-67.
- 275) Cacciafesta V, Sfondrini MF, Melsen B, Scribante A. **A 12 month clinical study of bond failures of recycled versus new stainless steel orthodontic brackets.** Eur J Orthod. 2004 Aug;26(4):449-54.
- 276) Sakima MT, Sakima CG, Melsen B. **The validity of superimposing oblique cephalometric radiographs to assess tooth movement: an implant study.** Am J Orthod Dentofacial Orthop. 2004 Sep;126(3):344-53.
- 277) Kuseler A, Pedersen TK, Barlach J, Gelineck J, Sangill R, Melsen B, Herlin T. **Contrast-enhanced MRI compared to histological findings in the temporomandibular joint of antigen-induced arthritis in young rabbits.** Clin Exp Rheumatol. 2004 Jul-Aug;22(4):441-6.
- 278) Liu D, Vandahl BB, Birkelund S, Nielsen LB, Melsen B. **Secretion of osteopontin from MG-63 cells under a physiological level of mechanical strain in vitro--a [35S] incorporation approach.** Eur J Orthod. 2004 Apr;26(2):143-9
- 279) Kalia S, Melsen B, Verna C. **Tissue reaction to orthodontic tooth movement in acute and chronic corticosteroid treatment.** Orthod Craniofac Res. 2004 Feb;7(1):26-34.
- 280) Melsen B, Garbo D. **Treating the "Impossible Case" with the use of the Aarhus Anchorage System.** Orthodontics 2004;1:13-20
- 281) Dalstra M, Cattaneo PM, Melsen B. **Load transfer of miniscrews for orthodontic anchorage.** Orthodontics. 2004;1:53-62
- 282) Dalstra M, Melsen B. **Does the transition temperature of Cu-NiTi archwires affect the amount of tooth movement during alignment?** Orthod Craniofac Res. 2004 Feb;7(1):21-5.
- 283) Melsen B. **Le Système d'ancrage Aarhus (The Aarhus Anchorage System).** Ormo News. 2004;30:11-16.
- 284) Melsen B. **Is the Intraoral-Extradental anchorage changing the spectrum of orthodontics? In McNamara Jr. JA, Implants, Microimplants, Onplants and Transplants: New Answers to Old Questions in Orthodontics.** The University of Michigan, USA, 2004:41-68.
- 285) Dalstra, M., Melsen, B., Barlach, J. 2004, **The efficacy of the human growth factors with the designations MP52 and MP52-Ala83 in bone regeneration in a calvarial defect study in rats,** Det sundhedsvidenskabelige Fakultet, Aarhus Universitet.
- 286) Melsen, B. 2004, **"Le système d'ancrage Aarhus, une solution alternative", (The Aarhus Anchorage System, An Alternative).** Ormodent Review, vol. 12, s. 12-16.
- 287) Pedersen, T.K., Melsen, B. 2005, **"Bidfunktionslære set i ortodontistens optik",** Tandlaegebladet, vol. 109 nr. 1, s. 280-284
- 288) Pretorius JA, Melsen B, Germishuys PJ, Nel JC. **A Histomorphometric evaluation of bone regenerative materials at the bone-dental implant interface.** The International Journal of Oral & Maxillofacial Implants. 2005 May-Jun;20(3):387-98.
- 289) Bassarelli T, Dalstra M, Melsen B. **Changes in clinical crown height as a result of transverse expansion of the maxilla in adults.** Eur J Orthod. 2005 Apr;27(2):121-8.
- 290) Pedersen TK, Melsen B. **Disciplinen set i ortodontistens optik.** Tandlaegebladet 2005.
- 291) Kofod T, Wurtz V, Melsen B. **Treatment of an ankylosed central incisor by single tooth dento-osseous osteotomy and a simple distraction device.** Am J Orthod Dentofacial Orthop. 2005 Jan;127(1):72-80.
- 292) Cattaneo PM, Dalstra M, Melsen B. **The finite element method: a tool to study orthodontic tooth movement.** J Dent Res. 2005 May;84(5):428-33.
- 293) Carano A, Melsen B. **Implants in orthodontics.** Interview. Prog Orthod. 2005;6(1):62-9. English, Italian. No abstract available
- 294) Kofod T, Cattaneo PM, Melsen B. **Three-dimensional finite element analysis of the mandible and temporoman-**

PUBLICATIONS CON'T

- dibular joint on simulated occlusal forces before and after vertical ramus elongation by distraction osteogenesis.** J Craniofac Surg. 2005 May;16(3):421-9.
- 295) Melsen B, Verna C. **Miniscrew implants: The Aarhus Anchorage System.** Semin Orthod 2005;11:24-31.
- 296) Melsen B. **Mini-Implants, where are we?** JCO 2005;39(9):539-47
- 297) Melsen B, Allais D. **Factors of importance for the development of dehiscences during labial movement of mandibular incisors: a retrospective study of adult orthodontic patients.** Am J Orthod Dentofacial Orthop. 2005 May;127(5):552-61; quiz 625
- 298) Melsen B. **Temporary skeletal anchorage – the Aarhus Anchorage System. In Temporary Anchorage Devices in Orthodontics.** First Edition by J.B. Cope. Under Dog Media, LP. 2005.
- 299) Melsen B, Dalstra M. **Tissue reaction to loading of Mini-Implants.** In Temporary Anchorage Devices in Orthodontics. First Edition by J.B. Cope. Under Dog Media, LP. 2005.
- 300) Ciarlantini R, Melsen B. **Maxillary tooth transposition.** Am J Orthod Dentofacial Orthop. 2005;
- 301) de Zee M, Cattaneo P. M, Dalstra M, Rasmussen J and Melsen B. **On the development of a rigid-body model of the mandible.** Intertanional Symposium in Computer Simulation in Biomechanics 2005.
- 302) Pretorius A. J, Melsen B, Nel C. J and Germishuys J. P. **A Histomorphometric Evaluation of Factors Influencing the Healing of Bony Defects Surrounding Implants.** The international Journal of Oral & Maxillofacial Implants 2005.
- 303) Kofod T, Cattaneo MP, Dalstra M, Melsen B. **Three-Dimensional Finite Element Analysis of the Mandible and Temporomandibular Joint During Vertical Ramus Elongation by Distraction Osteogenesis.** J Craniofac Surg 2005;16(4):586-593.
- 304) Cattaneo MP, Dalstra M, Melsen B. **The Finite Element Method a Tool to Study Orthodontic Tooth Movement.** J Dent Res 2005;84(5):428-433.
- 305) Cattaneo PM, Kofod T, Dalstra M, Melsen B. **Using the finite element method to model the biomechanics of the asymmetric mandible before, during and after skeletal correction by distraction osteogenesis.** Comput Methods Biomech Biomed Engin. 2005 Jun;8(3):157-65.
- 306) Verna C, Dalstra M, Lee TC, Melsen B. **Microdamage in porcine alveolar bone due to functional and orthodontic loading.** Eur J Morphol. 2005 Feb-Apr;42(1-2):3-11.
- 307) Kofod T, Cattaneo PM, Dalstra M, Melsen B. **Three-dimensional finite element analysis of the mandible and temporomandibular joint during vertical ramus elongation by distraction osteogenesis.** J Craniofac Surg. 2005 Jul;16(4):586-93.
- 308) Melsen B. **Adult Orthodontics: A Multi- or an Interdisciplinary Treatment Approach?** World Journal of Orthodontics, 6th International Orthodontic Congress, volume 6, supp., 2005.
- 309) Kofod T, Wurtz V, Melsen B. **Treatment of an ankylosed central incisor by single tooth dentoosseous osteotomy and a simple distraction device.** Am J Orthod Dentofacial Orthop. 2005 Jan;127(1):72-80.
- 310) Verna, C., Hartig, L., Kalia, S., Melsen, B. **Influence of steroid drugs on orthodontically induced root resorption,** Orthod Craniofacial Res, 2006 vol. 9, s. 57-62.
- 311) Sakima MT, Dalstra M and Melsen B. **How does temperature influence the properties of rectangular nickel-titanium wires?** Eur J Orthod. 2006 Jun;28(3):282-91.
- 312) Melsen B. **When should skeletal anchorage be used within orthodontics?** Revue d'Orthopédie Dento Faciale. 2006;40:41-61, March 2006.
- 313) Melsen B. **Die Zukunft in der virtuellen KFO-welt. (The Future in the Virtual World of Orthodontics)** Kieferorthopädie Nachrichten, nr. 5 Mai 2006, s.1-6; iss: 1612-2577.
- 314) Melsen B. **VIP interview: Birte Melsen.** Interview by Samir E. Bishara. World J Orthod. 2006 Fall; 7 (3):313-316.
- 315) Halkjaer L. Melsen B, MacMillan AS, Svensson P. **Influence of sensory deprivation and perturbation of trigeminal afferent fibers on corticomotor control of human tongue musculature.** Exp Brain Res. 2006 Apr; 170 (2):199-205
- 316) de Zee M, Dalstra M, Cattaneo PM, Rasmussen J, Svensson P, Melsen B. **Validation of a musculo-skeletal model of the mandible and its application to mandibular distraction osteogenesis.** J Biomech. 2006 Aug. 22; vol. 40, s.1192-1201

PUBLICATIONS CON'T

- 317) Melsen B. **Dr. Birte Melsen on adult orthodontic treatment.** Interview by Vittorio Cacciafesta. J Clin Orthod. 2006 Dec.40(12):703-716.
- 318) Cattaneo, P., Dalstra, M., Melsen, B. **Load transfer around orthodontically moved teeth by means of finite element analysis,** in Davidovitch, Z., Mah, J., Sutranarak, S. (eds.) Biological Mechanisms of Tooth Eruption, Resorption and Movement, The Harvard Society for the Advancement of Orthodontics, 2006 Boston MA, s. 253-260
- 319) Cattaneo PM, Dalstra M, Melsen B. **Analysis of stress and strain around orthodontically loaded implants: an animal study.** Int Oral Maxillofac Implants 2007 Mar-Apr 22(2):213-225.
- 320) Melsen, B., Cattaneo, P., Dalstra, M., Kraft, D.C. **The importance of force levels in relation to tooth movement,** Seminars in Orthodontics, 2007 vol. 13 nr. 4, s. 220-233.
- 321) Melsen B, Warrer K. **Bør ortodontien inddrages i bedrehabiliteringen hos voksne patienter?** Nordisk tandlæge hefte Jan '07
- 322) Melsen B, Cattaneo PM, Dalstra M, Kraft DC. **How reasonable is it to relate force level to tooth movement?** Sem Ortho '07
- 323) Melsen B. **Ortodonti för vuxna.** Tandläker Tidningen. feb. 2007.
- 324) Melsen, B., Dalstra, M. 2007, **"Bone response to loading of miniscrew implants."**, i OrthoTADs, The Clinical Guide and Atlas, Under Dog Media, LP, Dallas TX, s. 35-45.
- 325) Ciarlantini R, Melsen B. **Maxillary tooth transposition: correct or accept?** Am J Orthod Dentofacial Ortho 07 Sep 132(3):385-394
- 326) Luzi C, Verna C, Melsen B. **A prospective clinical investigation of the failure rate of immediately loaded mini-implants used for orthodontic anchorage.** Prog Orthod 2007; 8(1):192-201.
- 327) Melsen, B., Warrer, K.T. 2007, **"Ortodonti för vuxna"**, Tandlaekartidningen, vol. 99 nr. 2, s. 46-51.
- 328) Melsen, B., Warrer, K.T. 2007, **"Bør ortodontien inddrages i bidrehabiliteringen hos voksne patienter?"**, Norske Tannlegeforenings Tidende, vol. 117 nr. 1, s. 30-36.
- 329) Melsen, B., Warrer, K.T. 2007, **"Pitäisikö oikomishoidon kuuluu aikuisten purennankuntoutukseen?"**, Finnish Dental Journal, vol. 6, s. 314-319.
- 330) Terzoudi T, Petersen JN, Papadopoulos MA, Athanasiou AE, Melsen B. **Do the aesthetic norms undergo changes with time?** Nov. 2007. Jones L, Thomsen JS, Mosekilde L, Bosch C, Melsen B. Biomechanical evaluation of rat skull defects, 1, 3 and 6 months after implantation with osteopromotive substances. J Craniomaxillofac Surg. 2007 Dec 35(8):350-357.
- 331) Korn M, Melsen B. **Early treatment with a maxillary lip bumper-bite plateau combination.** Angle Orthod 2008 Sep 78(5) 838-846.
- 332) Cattaneo M, Melsen B. **The use of cone-beam computed tomography in an orthodontic department in between research and daily clinic.** World Journal of Orthodontics 2008; 9(3):269-282.
- 333) Cattaneo PM, Dalstra M, Melsen B. **Moment-to-force ratio, center of rotation, and force level: a finite element study predicting their interdependency for simulated orthodontic loading regimens.** Am J Orthod Dentofacial Orthop. 2008 May 133(5):681-689.
- 334) Cattaneo, P., Bloch, C.B., Calmar, D., Hjortshøj, M., Melsen, B. **Comparison between conventional and cone-beam computed tomography - generated cephalograms,** American Journal of Orthodontics and Dentofacial Orthopedics, 2008 vol. 134 nr. 6, s. 798-802.
- 335) Melsen, B., Laursen, M.G., **Factors in the decision to use skeletal anchorage, i Nanda, R., Uribe, F.A. (red.) Temporary anchorage devices in orthodontics,** Pergamon Press, 2008 St. Louis, MO, s. 73-89.
- 336) Melsen, B. 2008, **"Kæbenekrose"**, A Propos, nr. 3, s. 10-11.
- 337) Rosbjerg, L., Neumann, E., Dalstra, M., Melsen, B. 2008, **"Kan virtuelle modeller erstatte gipsmodeller"**, Tandlaegebladet, vol. 112 nr. 9, s. 796-802.
- 338) Melsen, B. 2008, **"Etableringen af afdeling for ortodonti"**, Tandlaegebladet, vol. 112 nr. 11, s. 1018-1023.
- 339) Melsen B. **Welche Auswirkungen hatte die skeletale Verankerung auf die Kieferorthopädie? (What impact does Skeletal Anchorage have on Orthodontics?)** Inf. Orthod Kieferorthop 2009;41:83-101.
- 340) Dalstra M, Cattaneo P, Beckmann F. **Micro-architecture of the dental alveolus and its consequences for**

PUBLICATIONS CON'T

orthodontics. Orthodontics & Craniofacial Research 2009.

- 341) Luci C, Verna D, Melsen B. **Overview – Guidelines for Success in Placement of Orthodontic Mini-Implants.** Journal of Clinical Orthodontics 2009;43:39-44.
- 342) Laursen MG, Melsen B. **Multipurpose Use of a Single Mini-Implant for Anchorage in an Adult Patient.** Journal of Clinical Orthodontics 2009;43:193-199.
- 343) Papadopoulos, M.A., Lazaridou-Terzoudi, T., Petersen, J.Ø., Athanasiou, A.E., Melsen, B. **Comparison of soft and hard tissue profiles of orthognathic surgery patients treated recently and 20 years earlier,** Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology, 2009 vol. 108 nr. 1, s. e8-e13.
- 344) Dalstra, M., Melsen, B., **From alginate impressions to digital virtual models: accuracy and reproducibility,** Journal of Orthodontics (Print Edition), 2009 vol. 36 nr. 1, s. 36-41.
- 345) Bindsvlev, D.A., Melsen, B. **Generelle principper for behandlingsplanlægning ved tandagenesi,** Tandlaegebladet, 2009 s. 1088-1097.
- 346) Luzi, C., Verna, C., Melsen, B. **Immediate loading of orthodontic mini-implants: a histomorphometric evaluation of tissue reaction,** European Journal of Orthodontics, 2009 vol. 31 nr. 1, s. 21-29.
- 347) Langdahl, B.L., Hitz, M., Melsen, B., Pinholt, E.M. **Kæbenekrose ved behandling med bisfosfonater - dosis har afgørende betydning for risikoen,** Ugeskrift for Laeger, 2009, vol. 171 nr. 13, s. 1103.; author reply 1103.
- 348) Zee, M.D., Cattaneo, P., Svensson, P., Pedersen, T.K., Melsen, B., Rasmussen, J., Dalstra, M. **Prediction of articular eminence shape in a patient with unilateral hypoplasia of the right mandibular ramus before and after distraction osteogenesis - a simulation study,** Journal of Biomechanics, 2009 vol. 42 nr. 8, s. 1049-1053.
- 349) Cattaneo, P., Dalstra, M., Melsen, B. **Strains in periodontal ligament and alveolar bone associated with orthodontic tooth movement analyzed by finite element,** Orthodontics & Craniofacial Research, 2009, vol. 12 nr. 2, s. 120-128
- 350) Kraft, D.C.E., Bindsvlev, D.A., Melsen, B., Abdallah, B.M., Kassem, M., Klein-Nulend, J. **Mechanosensitivity of Dental Pulp Stem Cells is Related to their Osteogenic Maturity,** European Journal of Oral Sciences, 2010, vol. 118, s. 29-38
- 351) Jones, L., Thomsen, J.S., Barlach, J., Mosekilde, L., Melsen, B. **No influence of alimentary zinc on the healing of calvarial defects filled with osteopromotive substances in rats,** European Journal of Orthodontics, '10, vol 32, s124-130
- 352) Melsen B, **Kan man også få osteoporose i kæberne?** Apropos, 2010; nr. 1: side 9
- 353) Melsen B, Fiorelli G, **Wer braucht heute noch Biomechanik? (Who still needs Biomechanics Nowadays?)** Inf Orthod Kieferorthop 2010;42:87-96.
- 354) Melsen B, **The role of skeletal anchorage in modern orthodontics** in Chapter 7 in Clinical Orthodontics. Current Concepts, Goals and Mechanics Edited by Ashok Karad, 2010, Elsevier.
- 355) Kraft, D.C.E., Bindsvlev, D.A., Melsen, B., Klein-Nulend, J. **Human dental pulp cells exhibit bone cell-like responsiveness to fluid shear stress",** Cytotherapy 2010.