

PUBLICATIONS
FROM
THE NORWEGIAN INSTITUTE OF DENTAL RESEARCH
1951—1961

1951

1. *Nygaard Östby, B.*: Caries profunda. Norske Tandlægefor. Tid. 61: 96—104.

1952

2. *Wærhaug, J.*: The gingival pocket. Odont. T. 60. Suppl. 1, 186 pp., pl. Also from The Department of Operative Dentistry, Royal School of Dentistry, Stockholm, Sweden.
3. *Wærhaug, J. & E. Steen*: The presence or absence of bacteria in gingival pockets and the reaction in healthy pockets to certain pure cultures. Odont. T. 60: 1—24.

1953

4. *Mörch, T.*: Diffusjon — Osmose. Odont. T. 61: 184—194.
5. —»— Some physico-chemical factors in dental research. Dent. Rec. 73: 583—595.
6. *Wærhaug, J.*: Tissue reactions around artificial crowns. J. Periodont. 24: 172—185.

1954

7. *Mörch, T.*: Some physico-chemical factors of importance for the spreading of local anesthetics in the organism. Mssrs. Harald Lyche & Co., Drammen, Norway, 1954. Also from: The Department of Pharmaceutical Chemistry, Institute of Pharmacy, Oslo, Norway.
8. *Nygaard Östby, B.*: Investigations and measures in the field of preventive dentistry. T. Tandheelk. 61.
9. *Wærhaug, J.*, Control of the endpoint of decalcification by fluoroscopy. Stain Techn. 29: 213—215.
10. —»— Over- og underkjevens karforsyning med særlig henblikk på gingiva, tennene og deres støttevev. Norske Tandlægefor. Tid. 64: 159—176.
11. *Wærhaug, J., A. Arnö & A. Lövdal*: Dimension of instruments for removal of subgingival calculus. J. Periodont. 25: 281—286.

12. *Hals E.*: Arvelige faktorer ved tennenes utvikling. Norske Tandlægefor. Tid. 65: 82—92.
13. *Hals, E., T. Mörch & H. F. Sand*: Effect of lactate buffers on dental enamel in vitro as observed in polarizing microscope. Acta odont. scand. 13: 85—122.
14. —»— Laktatbufferes virkning på emaljen in vitro. Norske Tandlægefor. Tid. 65: 437—439.
15. *Mörch, T.*: Metoder til nedsettelse av smertefølelsen ved inngrep i den vitale tann. Norske Tandlægefor. Tid. 65: 129—140.
16. *Nygaard Østby, B.*: Pulpreaksjoner ved fyllinger av selvpolymeriserende plastmaterialer og av amalgam. Odont. T. 63: 173—182.
17. —»— Pulp reactions to direct filling resins. J. Amer. dent. Ass. 50: 7—13.
18. *Wærhaug, J.*: Microscopic demonstration of tissue reaction incident to removal of subgingival calculus. J. Periodont. 26: 26—29.
19. —»— Pathogenesis of pocket formation in traumatic occlusion. J. Periodont. 26: 107—118.
20. —»— Hastening infiltration of specimens with celloidin by boiling. J. dent. Res. 34: 459—461.
21. —»— The source of mineral salts in subgingival calculus. J. dent. Res. 34: 563—568.

22. *Hals, E., T. Mörch & H. Sand*: Laktatbufferes virkning på emaljen in vitro. Odont. T. 64: 245—276.
23. *Johnsen, R. E. & J. Wærhaug*: Effect of antiformin on gingival tissues. J. Periodont. 27: 24—28.
24. *Langeland, K.*: Pulp reactions to resin cements. Acta odont. scand. 13: 239—256.
25. —»— Pulpreaktionen bei Verwendung von Resinzementen. Schweiz. Mschr. Zahnheilk. 66: 863—866. Autoref.
26. —»— Pulpreaksjoner ved bruk av resinsementer. Norske Tandlægefor. Tid. 66: 304—308.
27. —»— En sammenligning av pulpreaksjoner på low- og high speed preparering, og om pulpreaksjoner på fyllingsmaterialet Cavynyl. Norske Tandlægefor. Tid. 66: 528—529.
28. *Mörch, T.*: For og mot bruken av fluor. Norske Tandlægefor. Tid. 66: 256—263.
29. —»— Kvantitativ vurdering av tannbørsting og tannpicking. Norske Tandlægefor. Tid. 66: 545—553.
30. *Mörch, T., P. Torell & E. Hals*: Effect of topically applied agents on enamel. I. Methods for experiments in vitro. Acta odont. scand. 14: 335—358.
31. *Mörch, T. & J. Wærhaug*: Quantitative evaluation of the effect of toothbrushing and toothpicking. J. Periodont. 27: 183—190.

32. *Wærhaug, J.*: Effect of zinc phosphate cement fillings on gingival tissues. *J. Periodont.* 27: 284—290.
33. —»— Enamel cuticle. *J. dent. Res.* 35: 313—322.
34. —»— Effect of rough surfaces upon gingival tissue. *J. dent. Res.* 35: 323—325.
35. —»— Observations on replanted teeth plated with gold foil. *Oral Surg.* 9: 780—791.
36. *Wærhaug, J. & H. A. Zander*: Implantation of acrylic roots in tooth sockets. *Oral Surg.* 9: 46—54.

1957

37. *Hals, E.*: Natal and neonatal teeth. Histological investigations in two brothers. *Oral Surg.* 10: 509—521.
38. —»— Hypocalcification of the enamel. Investigation of three cases. *Acta odont. scand.* 15: 177—198.
39. —»— Effect of topically applied fluorides on enamel as observed in polarized light. *Odont. Rev.* 8: 279—287.
40. *Hals, E., T. Mörch & P. Torell*: Effect of topically applied agents on enamel. II. Influence of storage on the stability of fluoride solutions. *Acta odont. scand.* 15: 115—120.
41. *Langeland, K.*: Pulpreaksjoner ved bruk av Cavynyl. *Odont. T.* 65: 12—19.
42. —»— Tissue changes in the dental pulp. An experimental histologic study. Oslo University Press, Oslo, 1957. Published in *Odont. T.* 65: 239—386.
43. —»— Pulpreaksjoner bei Verwendung von Resinzementen. *Dtsch. zahnärztl. Z.* 12: 602—615.
44. —»— Schlusswort zu vorstehenden Stellungnahmen. *Dtsch. zahnärztl. Z.* 12: 1244—1246. (Diskussion).
45. —»— Histologiske undersøkelser over virkningen av fyllingsmaterialet Achatit. *Norske Tandlægefor. Tid.* 67: 511—516.
46. *Mörch, T.*: Influence of fats on fermentation of sugar. *Odont. T.* 65: 213—219.
47. —»— Anvendelse av karieshemmende substanser. *Norske Tandlægefor. Tid.* 67: 463—472.
48. *Mörch, T., E. Hals & P. Torell*: Virkningen av fluorpensling på emaljen. *Göteborgs Tandläkare-Sällskaps Årsbok*, 1957, pp. 12—37.
49. *Nygaard Östby, B.*: Chelation in root canal therapy. *Odont. T.* 65: 3—11.
50. —»— Etylendiamin tetra-acetat anvendt ved rensning og utvidelse av rotkanaler. *Norske Tandlægefor. Tid.* 67: 215—221.
51. *Nygaard Östby, B., E. Hals & T. Mörch*: A method for experimental in vivo-decalcification of dental enamel. *Acta odont. scand.* 15: 347—355.
52. *Nygaard Östby, B., T. Mörch & E. Hals*: A method for caries production on selected tooth surfaces in vivo. *Acta odont. scand.* 15: 357—363.
53. *Reitan, K.*: Some factors determining the evaluation of forces in orthodontics. *Amer. J. Orthodont.* 43: 32—45.

54. *Schultz-Hauidt, S. D.*: Observations on the acid mucopolysaccharides of human gingiva. Oslo University Press, Oslo, 1957. Also published in *Odont. T.* 66: 3—82, 1958. Also from: Johan Throne Holst's Institute for Nutrition Research, University of Oslo, and the Norwegian State Dental School, Oslo, Norway.
55. ——— Separation of acid mucopolysaccharides by paper electrophoresis. *Acta chem. scand.* 11: 1070—1071.
56. *Torell, P., E. Hals & T. Mörch*: Virkningen av fluorpensling på emaljen. *Norske Tandlægefor. Tid.* 67: 458—462.
57. *Wærhaug, J.*: Tissue reaction to metal wires on healthy gingival pockets. *J. Periodont.* 28: 239—248.
58. ——— Tissue reaction around acrylic root tips. *J. dent. Res.* 36: 27—38.
59. *Wærhaug, J. & H. A. Zander*: Reaction of gingival tissues to self-curing acrylic restorations. *J. Amer. dent. Ass.* 54: 760—768.
60. *Wærhaug, J. & H. Løe*: Tissue reaction to gingivectomy pack. *Oral Surg.* 10: 923—937.

1958

61. *Arnö, A., J. Wærhaug, A. Lövödal & O. Schei*: Incidence of gingivitis as related to sex, occupation, tobacco consumption, toothbrushing, and age. *Oral Surg.* 11: 587—595.
62. *Hals, E.*: De hårde tannvevs histogenese og histologi. "Nordisk Klinisk Odontologi". 2-II, 1—20.
63. ——— Hereditary enamel hypoplasia. *Odont. T.* 66: 562—582.
64. *Hals, E. & Märta Olow*: Turner teeth. A case of two prematurely erupted premolars. *Odont. T.* 66: 199—212.
65. *Langeland, K.*: Pulpreaksjoner ved highspeed preparering. Symposium. *Norske Tandlægefor. Tid.* 68: 114—139.
66. ——— Om rotresorpsjoner i permanente tenner. *Norske Tandlægefor. Tid.* 68: 237—247.
67. ——— Achatit. *Norske Tandlægefor. Tid.* 68: 384—386.
68. *Lövödal, A., A. Arnö & J. Wærhaug*: Incidence of clinical manifestations of periodontal disease in light of oral hygiene and calculus formation. *J. Amer. dent. Ass.* 56: 21—33.
69. ——— Hyppigheten av og behovet for plateproteser og broer. *Odont. T.* 66: 517—531.
70. *Nyggaard Østby, B.*: Erfaringer i praksis med Borden Airotor. Symposium. *Norske Tandlægefor. Tid.* 68: 114—139.
71. ——— A manual in endodontics, Oslo.
72. *Reitan, E.*: Experiments on rotation of teeth and their subsequent retention. *Europ. Orthodont. Soc. Trans.* 124—140, 1958.
73. ——— Retraction of upper canines after removal of first premolars. Relation to tissue reaction. *Europ. Orthodont. Soc. Trans.* 172—176, 1958.

74. *Torell, P., E. Hals & H. Løe*: Effect of topically applied agents on enamel. III. The chemical nature of tin fluorides. *Acta odont. scand.* 16: 329—341.
75. *Wærhaug, J.*: Effect of C-avitaminosis on the supporting structures of the teeth. *J. Periodont.* 29: 87—97.
76. *Wærhaug, J. & H. Løe*: Tissue reaction to self-curing acrylic resin implants. *Dent. Practit. Rec.* 8: 234—240.
77. —>— Effect of phenol camphor on gingival tissue. *J. Periodont.* 29: 59—66.
78. —>— Tissue reaction to gingivectomy pack. *Dent. Abstr.* 3: 356—357.

1959

79. *Arnö, A., O. Schei, A. Lövdal & J. Wærhaug*: Alveolar bone loss as a function of tobacco consumption. *Acta odont. scand.* 17: 3—10.
80. *Fehr von der, F. R.*: Tannstendannelsen sett i lys av nyere synspunkter på kalsiumfosfatenes kjemi. *Norske Tandlægefor. Tid.* 69: 289—298.
81. *Fehr von der, F. & F. Brudevold*: In vitro calculus formation. *J. dent. Res.* 38: 709.
82. *Hals, E.*: Patologiske forandringer i de hårde tannvev (eksklusive karies). "Nordisk Klinisk Odontologi" 9-III, 1—16.
83. *Hals, E., P. Torell & T. Mörch*: Enamel lesions produced in vitro by sugar-saliva mixtures. *Acta odont. scand.* 17: 299—309.
84. *Langeland, K.*: Histologic evaluation of pulp reactions to operative procedures. I. *Oral Surg.* 12: 1235—1248.
85. —>— Histologic evaluation of pulp reactions to operative procedures. II. *Oral Surg.* 12: 1357—1371.
86. —>— Preventive endodontics. Biological principles. Tissue response to irritation caused by operative techniques and filling materials. *Rev. belge Sci. Dent.* 14: 79—99. Autorefer.
87. —>— High speed instrumentation. A histologic and clinical evaluation. *Rev. belge Sci. Dent.* 14: 139—154. Autorefer.
88. *Løe, H.*: Bone tissue formation. A morphological and histochemical study. *Acta odont. scand.* 17: 311—427.
89. *Lövdal, A., O. Schei, J. Wærhaug & A. Arnö*: Tooth mobility and alveolar bone resorption as a function of occlusal stress and oral hygiene. *Acta odont. scand.* 17: 61—77.
90. *Mörch, T.*: Fluoridering av drikkevannet. *Norske Tandlægefor. Tid.* 69: 2—9.
91. —>— Fluor og tannråte. En redegjørelse for moderne synsmåter. *Norske Tandlægefor. Tid.* 69: 413—418.
92. *Nygaard Østby, B.*: Odontologisk forskning og klinisk odontologi. *Norske Tandlægefor. Tid.* 69: 407—412.
93. *Reitan, K.*: Tissue rearrangement during retention of orthodontically rotated teeth. *Angle Orthodont.* 29: 105—113.

94. *Schei, O., J. Wærhaug, A. Lövdal & A. Arnö*: Alveolar bone loss as related to oral hygiene and age. *J. Periodont.* 30: 7--16.
95. *Torell, P., T. Mörch & E. Hals*: Effect of topically applied agents on enamel. IV. Experiments in vitro with iron fluoride solutions. *Acta odont. scand.* 17: 267--276.

1960

96. *Fehr von der, F. & F. Brudevold*: In vitro calculus formation. *J. dent. Res.* 39: 1041--1048.
97. *Hals, E., P. Torell & T. Mörch*: Effect of topically applied agents on enamel. V. Experiments in vitro with tin fluoride solutions. *Acta odont. scand.* 18: 455--460.
98. *Langeland, K.*: Pulpreaktioner vid kavitetspreparation. *Sverig. Tandläk.-Förb. Tidn.* 52: 215--233.
99. -->-- Pulp reactions to cavity preparation and to burns in the dentin. A preliminary report. *Odont. T.* 68: 463--470.
100. -->-- Dr. K. Langeland's lectures. -- A summary. Part I. Operative dentistry. *J. dent. Ass. South Africa* 15: 81--87.
101. -->-- Dr. K. Langeland's lectures. -- A summary. Part II. The treatment of necrotic pulps. *J. dent. Ass. South Africa* 15: 111--116.
102. *Nygaard Östby, B.*: Übersicht über die endodontische Literatur aus dem english-sprachigen und skandinavischen Schrifttum 1956--1959. *Dtsch. zahnärztl. Z.* 15: 643--647.
103. -->-- Pulpas og det apikale periodontiums patologi. Grunnleggende synspunkter på terapien. "Nordisk Klinisk Odontologi", 10-I, 1--16.
104. -->-- Pulpa-ekstirpasjon og rotbehandling. "Nordisk Klinisk Odontologi", 10-III, 1--17.
105. -->-- De roterande instrumentens problem. Symposium. *Svensk Tandläk. T.* 53: 227--241.
106. *Reitan, K.*: Tissue behavior during orthodontic tooth movement. *Amer. J. Orthodont.* 46: 881--900.
107. -->-- I hvilken utstrekning kan kjeveortopedien bidra til behandling av periodontikassus? *Norske Tandlægefør. Tid.* 70: 527--533.
108. -->-- Ortodontisk terapi med fast apparatur. "Nordisk Klinisk Odontologi", 15-V -- 1--8.
109. *Torell, P., T. Mörch & E. Hals*: Effect of topically applied agents on enamel. VI. The effect of zirconium fluoride solutions topically applied in vitro. *Acta odont. scand.* 18: 521--526.

1961

110. *Fehr von der, F. R.*: The effect of fluorides on the caries resistance of enamel. *Acta odont. scand.* 19: 431--442.
111. *Langeland, K.*: Effect of various procedures on the human dental pulp. Pulp reactions to cavity preparation and gutta-percha. *Oral Surg.* 14: 210--233.
112. -->-- Tissue changes incident to cavity preparation. An evaluation of some dental engines. *Acta odont. scand.* 19: 397--430.

113. *Løe, H.*: Physiological aspects of the gingival pocket. An experimental study. *Acta odont. scand.* 19: 387—395.
114. —»— Chemical gingivectomy. Effect of potassium hydroxide on periodontal tissues. *Acta odont. scand.* 19: 517—535.
115. *Løe, H. & C. Ravnik*: A morphological study of the surface layer of dog tooth enamel. *Acta odont. scand.* 19: 483—493.
116. *Løe, H. & J. Wærhaug*: Experimental replantation of teeth in dogs and monkeys. *Arch. oral Biol.* 3: 176—184.
117. *Løvdaal, A., A. Arnö, O. Schei & J. Wærhaug*: Combined effect of subgingival scaling and controlled oral hygiene on the incidence of gingivitis. *Acta odont. scand.* 19: 537—555.
118. *Mörch, T.*: The acid potentiality of carbohydrates. *Acta odont. scand.* 19: 355—385.
119. *Mörch, T., E. Hals & P. Torell*: Effect of topically applied agents on enamel. VII. Experiments in vitro with unbuffered sodium fluoride solutions. *Acta odont. scand.* 19: 143—148.
120. *Mörch, T., C. Ravnik & H. Løe*: Evaluation of the inhibiting effect of various fluorides on dog enamel in vitro. *Acta odont. scand.* 19: 507—516.
121. *Nygaard Østby, B.*: The role of the blood clot in endodontic therapy. An experimental histologic study. *Acta odont. scand.* 19: 323—353.
122. *Ravnik, C. & H. Løe*: The effect of various demineralizing agents on dog tooth enamel. *Acta odont. scand.* 19: 495—506.
123. *Reitan, K.*: Reaction of the supporting tissues to orthodontic movement of the teeth. p. 198. *Introduction to orthodontics*. The Blakiston Div. N. Y.
124. —»— Behavior of Malassez' epithelial rests during orthodontic tooth movement. *Acta odont. scand.* 19: 443—468.
125. *Sand, H.*: The dissociation of EDTA and EDTA-sodium salts. *Acta odont. scand.* 19: 469—482.

ACKNOWLEDGEMENT

The Norwegian Institute of Dental Research is greatly indebted to *the Norwegian Research Council for Science and the Humanities* and to *Norsk Dental Depot* for the economic support, which made the printing of this special issue possible.