

LITERATURE REFERENCES

Ackerman, JL & Proffit, WR (1980) Preventive and Interceptive Orthodontics:
A Strong Theory Proves Weak in Practice. The Angle Orthodontist, 50, 75-87.

Alexander, SA (1987) Preventive and Interceptive Orthodontics: A Goal of Clinical Practice. New York State Dental Journal, 53, 25-27.

Al Nimri, K & Richardson, A (1997) Applicability of Interceptive Orthodontics in the Community. *British Journal of Orthodontics*, **24**, 223-228.

Baume, LJ & Maréchaux, SCH (1974) Uniform Methods for the Assessment of Malocclusion: The Development of Basic Methods by the WHO and the FDI. American Journal of Orthodontics, 66, 121-129.

Birkeland, K; Furevik, J; Boe, OE & Wisth, PJ (1997) Evaluation of Treatment and Post-treatment changes by the PAR Index. *European Journal of Orthodontics*, **19**, 279 288.

Bishara, SE; Hoppens, BJ; Jakobsen, JR & Kohout, FJ (1988) Changes in the Molar Relationship between the Deciduous and Permanent Dentitions: A Longitudinal Study. American Journal of Orthodontics and Dentofacial Orthopedics, 93, 19-28.

Björk, A; Krebs, AA & Solow, B (1964) A Method for Epidemiological Registration of Malocclusion. *Acta Odontologica Scandinavica*, **22**, 27-41.

Bland, JM & Altman, DG (1986) Statistical methods for assessing agreement between two methods of clinical measurement. *The Lancet*, **February 8**, 307-310.



Bowden, DEJ & Davies, AP (1975) Inter- and intra-examiner variability in assessment of orthodontic treatment need. *Community Dentistry and Oral Epidemiology*, **3**, 198-200.

Briedenhann, SJ; van Wyk, PJ; Rossouw, LM & Wolmarans, L (1994)
Prevalence of Malocclusion in 12 year old South African Children. *In National Oral Health Survey, South Africa* 1988/89. Pretoria: Government Printer.

Brook, PH & Shaw, WC (1989) The Development of an Index of Orthodontic Treatment Priority. European Journal of Orthodontics, 11, 309-320.

Buchanan, IB; Shaw, WC; Richmond, S; O'Brien, KD & Andrews, M (1993) A Comparison of the Reliability and Validity of the PAR Index and Summer's Occlusal Index. European Journal of Orthodontics, 15, 27-31.

Buchanan, IB; Downing, A & Stirrups, DR (1994) A Comparison of the Index of Orthodontic Treatment Need Applied Clinically and to Diagnostic Records. British Journal of Orthodontics, 21, 185-188.

Carlos, JP (1970) Evaluation of the indices of malocclusion. *International Dental Journal*, **20**, 606-617.

Cons, NC; Jenny, J & Kohout, FJ (1986) DAI: The Dental Aesthetic Index, lowa City College of Dentistry, University of Iowa.

Cons, NC; Jenny, J; Kohout, FJ Songpaisan, Y & Jotsikastira, D (1989) Utility of the Dental Aesthetic Index in Industrialised and Developing Countries. Journal of Public Health Dentistry, 49, 163-166.

DeGuzman, L; Bahiraei, D; Vig, KWL; Vig, PS; Weyant, RJ & O'Brien, K (1995) The Validation of the Peer Assessment Rating Index for Malocclusion Severity and Treatment Difficulty. *American Journal of Orthodontics and Dentofacial Orthopedics*, **107**, 172-176.



Department of Health (1999) Draft National Health Policy for South Africa, Pretoria: Department of Health.

Draker, HL (1960) Handicapping Labio-ligual Deviations: A Proposed Index for Public Health Purposes. *American Journal of Orthodontics*, **46**, 295-305.

Edwards, JC (1977) The Diastema, the Frenum, the Frenectomy: A Clinical Study. *American Journal of Orthodontics*, **71**, 489-508.

Elderton, RJ & Clark, TD (1983) Orthodontic Treatment in the General Dental Service Assessed by the Occlusal Index. *British Journal of Orthodontics*, **10**, 178-186.

Espeland, LV; Ivarsson, K & Stenvik, A (1992) A New Norwegian Index of Orthodontic Treatment Need Related to Orthodontic Concern Among 11-year-olds and Their Parents. Community Dentistry and Oral Epidemiology, 20, 274-279.

Evans, R & Shaw, WC (1987) Preliminary Evaluation of an Illustrated Scale for Rating Dental Attractiveness. *European Journal of Orthodontics*, **9**, 314-318.

Fields, HW & Sinclair, PM (1990) Dentofacial Growth and Development. Journal of Dentistry for Children, 57, 46-55.

Fields, HW (1993) Treatment of Nonskeletal Problems in Preadolescent Children. In: *Contemporary Orthodontics*. Edited by WR Proffit, 2nd ed., Ch 13, St. Louis: Mosby Year Book, p. 376-422.

Fleiss, JL (1979) Inter-examiner reliability in caries trials. *Journal of Dental Research*, **58**, 604-609.

Fletcher, GT (1958) A Rational Approach to the Treatment of the Mixed Dentition. Transcripts of the British Society of Orthodontists, 31.



Fox, NA (1993) The First 100 Cases: A Personal Audit of Orthodontic Treatment Assessed by the PAR (Peer Assessment Rating) Index. *British Dental Journal*, **174**, 290-297.

Freeman, JD (1977) Preventive Orthodontics: A Critical Review and the Results of a Clinical Study. *Journal of Preventive Dentistry*, **4**, 7-23.

Freer, TJ (1972) Assessment of Occlusal Status: The matched-pair similarity technique. *International Dental Journal*, **22**, 412-422.

Ghafari, J; Locke, SA & Bentley, JM (1989) Longitudinal Evaluation of the TPI. American Journal of Orthodontics and Dentofacial Orthopedics, 96, 382-389.

Grainger, RM (1967) Orthodontic Treatment Priority Index, PHS Publication No. 1000, Series 2 No. 25, Washington: US Government Printing Office.

Grewe, JM & Hagan, DV (1972) Malocclusion Indices: A Comparative Evaluation. American Journal of Orthodontics, 61, 286-294.

Haeger, RS; Schneider, BJ & BeGole, EA (1992) A Static Occlusal Analysis Based on Ideal Interarch and Intra-arch Relationships. *American Journal of Orthodontics and Dentofacial Orthopedics*, **101**, 459-464.

Hill, PA (1992) The Prevalence and Severity of Malocclusion and the Need for Orthodontic Treatment in 9-, 12-, and 15-year-old Glasgow Schoolchildren. British Journal of Orthodontics, 19, 87-96.

Howells, DJ & Shaw, WC (1985) The Validity and Reliability of Ratings of Dental and Facial Attractiveness for Epidemiological Use. *American Journal of Orthodontics*, **88**, 402–407.

Jago, JD (1974) The Epidemiology of Dental Occlusion: A Critical Appraisal. Journal of Public Health Dentistry, **34**, 80-93.



Järvinen, S & Väätäjä, P (1987) Variability in Assessment of Need for Orthodontic Treatment when Using Certain Treatment-need Indices. Community Dentistry and Oral Epidemiology, 15, 245-248.

Jenny, J; Cons, NC; Kohout, FJ & Frazier, PJ (1980) Test of a Method to Determine Socially Acceptable Occlusal Conditions. *Community Dentistry and Oral Epidemiology*, **8**, 424-433.

Jenny, J; Cons, NC & Kohout, FJ (1983) Comparison of SASOC, a Measure of Dental Aesthetics, with Three Orthodontic Indices and Orthodontic Judgement. Community Dentistry and Oral Epidemiology, 11, 236-241.

Jenny, J; Cons, NC; Kohout, FJ & Jakobsen, J (1993) Predicting Handicapping Malocclusion Using the Dental Aesthetic Index (DAI). *International Dental Journal*, **43**, 128-132.

Jenny, J & Cons, NC (1996) Establishing Malocclusion Severity Levels on the Dental Aesthetic Index (DAI) Scale. *Australian Dental Journal*, **41**, 43-46.

Joondeph, DR (1993) Early Orthodontic Treatment. American Journal of Orthodontics and Dentofacial Orthopedics, 104, 199-200.

Kerr, WJS; Buchanan, IB & McColl, JH (1993) Use of the PAR Index in Assessing the Effectiveness of Removable Orthodontic Appliances. *British Journal of Orthodontics*, 20, 351-357.

Koch, AL; Gershen, JA & Marcus, M (1985) A Children's Oral Health Status Index Based on Dentist's Judgement. Journal of the American Dental Association, 110, 36-42.

Kutin, G & Hawes, RR (1969) Posterior Crossbite in the Deciduous and Mixed Dentitions. American Journal of Orthodontics, 56, 491-504.



Landis, JR & Koch, GT (1977) The Measurement of Observer Agreement for Categorical Data. *Biometrics*, **33**, 159-174.

Leighton, BC (1966) The Early Development of Crossbites. Dental Practitioner and Dental Record, 17, 145-152.

Linder-Aronson, S; Woodside, DG & Lundstrom, A (1986) Mandibular Growth Direction Following Adenoidectomy. *American Journal of Orthodontics*, **89**, 273-284.

Lindner, A & Modeer, T (1989) Relation between Sucking Habit and Dental Characteristics in Preschool Children with Unilateral Crossbite. Scandinavian Journal of Dental Research, 97, 278-283.

Melsen, B; Stensgaard, K and Pedersen, J (1979) Sucking Habits and Their Influence on Swallowing Pattern and Prevalence of Malocclusion. *European Journal of Orthodontics*, **1**, 271-280.

Moyers, RE (1988) Handbook of Orthodontics. 4th ed., Ch 15, pp. 343-431, Chicago: Year Book Medical Publishers.

Moyers, RE & Summers, CJ (1970) Application of the Epidemiologic Method to the Study of Occlusal Disorders. *International Dental Journal*, **30**, 575-585.

Munns, D (1981) Unerupted Incisors. British Journal of Orthodontics, 8, 39-42.

Ngan, P & Fields, H (1995) Orthodontic Diagnosis and Treatment Planning in the Primary Dentition. *Journal of Dentistry for Children*, **62**, 25-33.

Ngan, P & Wei, SHY (1988) Orthodontics for the primary dentition. *Journal of the American Dental Association*, **116**, 336-340.

O'Meyer, RX (1976) Preventive Orthodontics. Transactions of the Third International Orthodontic Congress, 241-252.



Popovich, F & Thompson, GW (1975) Evaluation of Preventive and Interceptive Orthodontic Treatment Between 3 and 18 Years of Age. Transactions of the Third International Congress of Orthodontics, 26-33.

Poulton, DR & Aaronson, SA (1961) The Relationship between occlusion and periodontal status. *American Journal of Orthodontics*, **47**, 690-699.

Proffit, WR & Fields, HW (1993) Orthodontic Treatment Planning: From Problem List to Specific Plan. In: *Contemporary Orthodontics*. Edited by WR Proffit, 2nd ed., Ch 7, St. Louis: Mosby Year Book, p. 201-224.

Richardson, A (1982a) Interceptive Orthodontics in General Dental Practice –
Part 1 – Early Interceptive Treatment. *British Dental Journal*, **152**, 85-89.

Richardson, A (1982b) Interceptive Orthodontics in General Dental Practice – Part 2 – The Treatment of Crowding. *British Dental Journal*, **152**, 123-127.

Richardson, A (1982c) Interceptive Orthodontics in General Dental Practice – Part 3 – The Treatment of Local Abnormalities. *British Dental Journal*, **152**, 166-170.

Richardson, A (1995) Interceptive Orthodontics, 3rd ed., London: BDJ Books.

Richmond, S; Shaw, WC; O'Brien, KD; Buchanan, IB; Jones, R; Stephens, CD; Roberts, CT & Andrews, M (1992a) The Development of the PAR Index (Peer Assessment Rating): Reliability and Validity. *European Journal of Orthodontics*, **14**, 125-139.

Richmond, S; Shaw, WC; Roberts, CT & Andrews, M (1992b) The PAR Index (Peer Assessment Rating): Methods to Determine Outcome of Orthodontic Treatment in Terms of Improvement and Standards. *European Journal of Orthodontics*, **14**, 180-187.



Richmond, S; Roberts, CT & Andrews, M (1994) Use of the Index of Orthodontic Treatment Need (IOTN) in Assessing the Need for Orthodontic Treatment Pre- and Post-appliance Therapy. *British Journal of Orthodontics*, **21**, 175-184.

Richmond, S; Shaw, WC; O'Brien, KD; Buchanan, IB; Stephens, CD; Andrews, M & Roberts, CT (1995) The Relationship Between the Index of Orthodontic Treatment Need and Consensus Opinion of a Panel of 74 Dentists. *British Dental Journal*, **178**, 370-374.

Ricketts, RM (1979) JCO Interviews Dr Robert Ricketts on Early Treatment: Part 1 and 2. *Journal of Clinical Orthodontics*, **8**, 23-38, 115-127.

Russell, KA (1996) Orthodontic Treatment in the Mixed Dentition. Journal of the Canadian Dental Association, 62, 418-421.

Salzmann, JA (1968) Handicapping Malocclusion Assessment to Establish Treatment Priority. *American Journal of Orthodontics*, **54**, 749-765.

Schroeder, U & Schroeder, I (1984) Early Treatment of Unilateral Posterior Crossbite in Children with Bilaterally Contracted Maxillae. *European Journal of Orthodontics*, **6**, 65-69.

Shaw, WC; Richmond, S; O'Brien, KD; Brook, P & Stephens, CD (1991)

Quality Control in Orthodontics: Indices of Treatment Need and Treatment

Standards. British Dental Journal, 107, 107-112.

Simoes, WA (1981) Levels of Prevention in Orthodontics and Their Value to Pedodontics. The Journal of Pedodontics, 5, 211-221.

Summers, CJ (1971) The Occlusal Index: A System for Identifying and Scoring Occlusal Disorders. *American Journal of Orthodontics*, **59**, 552-567.



Terwilliger, KF (1950) Treatment in the Mixed Dentition. The Angle Orthodontist, 20, 109-113.

Thilander, B; Wahlund, S & Lennartsson, B (1984) The Effect of Early Interceptive Treatment in Children with Posterior Crossbite. *European Journal of Orthodontics*, **6**, 25-34.

Turner, SAM (1990) Occlusal Indices Revisited. British Journal of Orthodontics, 17, 197-203.

Van Kirk, LE & Pennell, EH (1959) Assessment of Malocclusion in Population Groups. American Journal of Orthodontics, 45, 752-758.

Varrela, J & Alanen, P (1995) Prevention and Early Treatment in Orthodontics: A Perspective. *Journal of Dental Research*, **74**, 1436-1438.

World Health Organisation (1966) An International Methodology for Epidemiological Studies of Oral Disease, Manual No. 5, Epidemiological Studies of Periodontal Diseases, First Draft, Geneva: World Health Organisation.

World Health Organisation (1997) Oral Health Surveys, Basic Methods, 4th edition, Geneva: World Health Organisation.



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