REFERENCES


Barkmeier WW, Gwinnett AJ & Shaffer SE (1987)  
Effects of reduced acid concentration and etching time on bond strength 
and enamel morphology.  
*Journal of Clinical Orthodontics*, 21; 395-398.

Bassiouny MA & Grant AA (1978)  
A visible light cured composite restorative material.  
*British Dental Journal*, 145; 327-329.

Betteridge MA (1979)  
Bonding of orthodontic attachments: Its use and technique.  
*British Dental Journal*, 147; 162-164.

Bishara SE, Swift EJ & Chan DCN (1991)  
Evaluation of fluoride release from an orthodontic bonding system.  
*American Journal of Orthodontics and Dentofacial Orthopedics*, 100; 
106-109.

Bishara SE, Olsen ME & Von Wald L (1997)  
Comparisons of shear bond strength of precoated and uncoated 
brackets.  
*American Journal of Orthodontics and Dentofacial Orthopedics*, 112; 
617-621.

Bishara SE, Gordon VV, VonWald L & Olsen ME (1998a)  
Effect of an acidic primer on shear bond strength of orthodontic brackets.  
*American Journal of Orthodontics and Dentofacial Orthopedics*, 114; 
243-247.

Bishara SE, Olsen ME, Damon P & Jakobsen JR (1998b)  
Evaluation of a new light-cured orthodontic bonding adhesive.  

Bowen RL (1962)  
Dental filling materials comprising vinyl silane treated fused silica and a 
binder consisting of the reaction product of bisphenol and glycidyl 
acrylate.  
*US Patent 3066112*.

Bowen RL (1963)  
Properties of a silica-reinforced polymer for dental restorations.  
*Journal of the American Dental Association*, 66; 71-78.

Bowen RL (1964)  
Effect of particle shape and size distribution in a reinforced polymer.  
*Journal of the American Dental Association*, 69; 481-495.
Bowen RL & Marjenhoff WA (1992)
Development of an adhesive system.
*Operative Dentistry*, Supplement 5; 75-80.

Bowen RL & Rodriguez MS (1962)
Tensile strength and modulus of elasticity of tooth structure and several restorative materials.
*Journal of the American Dental Association*, 64; 378-387.

Boyd RL & Baumrind S (1992)
Periodontal considerations in the use of bonds or bands on molars in adolescents and adults.
*Angle Orthodontist*, 62; 117-126.

Brandt S, Servoss VM & Wolfson J (1975)
Practical methods of bonding direct and indirect.
*Journal of Clinical Orthodontics*, 9; 610-635.

Etching of young permanent teeth with an acid gel.

Brännström M, Nordenvall KJ & Malmgren O (1978)
The effect of various pretreatment methods of the enamel in bonding procedures.

Shear bond strength of ceramic orthodontic brackets to enamel.

Brobakken BO & Zachrisson BU (1981)
Abrasive wear of bonding adhesive: studies during treatment and after bracket removal.

Brown CRL & Way DC (1978)
Enamel loss during orthodontic bonding and subsequent loss during removal of filled and unfilled adhesives.
*American Journal of Orthodontics*, 74; 663-671.

Brown D (1988)
Orthodontic materials update. 1. Orthodontic bonding adhesives.
*British Journal of Orthodontics*, 15; 277-279.

Bryan DC & Sherriff M (1995)
An in vitro comparison between a bonded retainer system and a directly bonded flexible spiral wire retainer.
*European Journal of Orthodontics*, 17; 143-151.
Bryant S, Retief DH, Russell CM & Denys FR (1987)
Tensile bond strengths of orthodontic bonding resins and attachments to
etched enamel.
*American Journal Orthodontics and Dentofacial Orthopedics*, 92; 225-231.

Buonocore MG (1955)
A simple method of increasing the adhesion of acrylic filling materials to
enamel surfaces.
*Journal of Dental Research*, 34; 849-853.

Buonocore MG, Matsui A & Gwinnett AJ (1968)
Penetration of resin dental materials into enamel surfaces with reference
to bonding.
*Archives of Oral Biology*, 13; 61-70.

Buonocore MG (1970)
Adhesive sealing of pits and fissures for caries prevention with the use of
ultraviolet light.
*Journal of the American Dental Association*, 80, 324.

Buonocore MG (1973)
Adhesives in the prevention of caries.
*Journal of the American Dental Association*, 87; 1000.

Buonocore MG (1975)
The use of adhesives in dentistry.
*Springfield, IL, Charles C. Thomas, Publisher.*

Bond strength of orthodontic direct-bonding cement-bracket systems as studied in vitro.

Cacciafesta V, Jost-Brinkmann P-G, Süzenberger U & Miethke R-R
(1998)
Effects of saliva and water contamination on the enamel shear bond
strength of a light-cured glass ionomer cement.
*American Journal of Orthodontics and Dentofacial Orthopedics*, 113;
402-407.

Carstensen W (1986)
Clinical results after direct bonding of brackets using shorter etching
times.
*American Journal of Orthodontics*, 89; 70-72.

Carstensen W (1992)
The effects of different phosphoric acid concentrations on surface
enamel.
*Angle Orthodontist*, 62; 51-58.
Carstensen W (1993)
Clinical effects of reduction of acid concentration on direct bonding of brackets.
*Angle Orthodontist*, 63; 221-224.

Carstensen W (1995)
Effect of reduction of phosphoric acid concentration on the shear bond strength of brackets.

Cavina RA (1977)
Clinical evaluation of direct bonding.

Ceen RF & Gwinnett AJ (1980a)
Indelible iatrogenic staining of enamel following debonding.
*Journal of Clinical Orthodontics*, 14; 713-715.

Ceen RF & Gwinnett AJ (1980b)
Microscopic evaluation of the thickness of sealants used in orthodontic bonding.

Chamda RA & Stein E (1996)

Cohl ME, Green IJ & Eick JD (1972)
Bonding of clear plastic orthodontic brackets using an ultra-violet sensitive adhesive.

Compton AM, Meyers CE, Hondrum SO & Lorton L (1992)
Comparison of the shear bond strength of a light-cured glass ionomer and a chemically cured glass ionomer for use as an orthodontic bonding agent.
*American Journal of Orthodontics and Dentofacial Orthopedics*, 101; 138-144.

Cook PA (1990)
Direct bonding with glass ionomer cement.
*Journal Of Clinical Orthodontics*, 8; 509-511.

Cook PA & Youngston CC (1988)
An *in vitro* study of the bond strength of glass ionomer cement in the direct bonding of orthodontic brackets.
Delport A & Grobler SR (1988)
A laboratory evaluation of tensile bond strengths of some orthodontic bonding resins to enamel.
American Journal of Orthodontics and Dentofacial Orthopedics, 93; 133-137.

Dickinson PT & Powers JM (1980)
Evaluation of fourteen direct bonding orthodontic bases.
American Journal of Orthodontics, 78; 630-639.

Diedrich P (1981)
Enamel alterations from bracket bonding and debonding: A study with the scanning electron microscope.
American Journal of Orthodontics, 79; 500-522.

Diedrich P & Dickmeiss B (1983)
Vergleichende physikalische und rasterelektronen-enoptische untersuchungen zur adhesion verschiedener metallbrackets.
Fortschritte Kieferorthopädie; 44; 298-310.

Driessen CH, Coetze WJC, Van Biljon BD & Sonnekus H (1989)
Results of the Bencor Multi-T System for testing shear and tensile bond strength (Abstract).
Journal of Dental Research, 68; 726.

Bond strength of rebonded orthodontic brackets.
American Journal of Orthodontics and Dentofacial Orthopedics, 109; 64-70.

Evans LB & Powers JM (1985)
Factors affecting in vitro bond strength of no-mix orthodontic cements.
American Journal of Orthodontics, 87; 508-512.

Eversoll DK & Moore RN (1988)
Bonding orthodontic acrylic resin to enamel.
American Journal of Orthodontics and Dentofacial Orthopedics, 93; 477-485.

Fajen VB, Duncanson MG, Nanda RS, Currier GF & Angolkar PV (1990)
An in vitro evaluation of bond strength of three glass ionomer cements.
American Journal of Orthodontics and Dentofacial Orthopedics, 97; 316-322.

Penetration coefficient, tensile strength and bond strength of thirteen direct bonding orthodontic cements.
American Journal of Orthodontics, 73; 512-525.
Ferguson JW, Read MJF & Watts DC (1984)  
Bond strength of an integrated bracket-based combination: an in vitro study.  

Finn RA (1978)  
Relationship of vertical maxillary dysplasias, bite force, and integrated EMG.  

Flores DA, Caruso JM, Scott GE & Jeiroudi TM (1990)  
The fracture strength of ceramic brackets: a comparative study.  
*Angle Orthodontist*, 60; 269-276.

Forsberg C-M & Hagberg C (1992)  
Shear bond strength of ceramic brackets with chemical or mechanical retention.  

Forss H & Seppa L (1990)  
Prevention of enamel demineralization adjacent to glass ionomer filling materials.  

Forsten L (1977)  
Fluoride release from glass ionomer cement.  

Fox NA (1990)  
*British Journal of Orthodontics*, 17; 293-298.

Fox NA & McCabe JF (1992)  
An easily removable ceramic bracket?  
*British Journal of Orthodontics*, 19; 305-309.

Fox NA, McCabe JF & Buckley JG (1994)  
A critique of bond strength testing in orthodontics.  
*British Journal of Orthodontics*, 21; 33-43.

Fredericks HE (1981)  
Mutagenic potential of orthodontic bonding materials.  
*American Journal of Orthodontics*, 80; 316-324.

Fricker JD (1992)  
A 12-month clinical evaluation of a glass polyalkenoate cement for direct bonding of orthodontic brackets.  
Fritzpatrick DA & Way DC (1977)  
The effects of wear, acid etching and bond removal on human enamel.  

An *in vivo* comparison between a visible light-cured bonding system and a chemically cured bonding system.  

Garcia-Godoy F, Hubbard GW & Storey AT (1991)  
Effect of fluoridated etching gel on enamel morphology and shear bond strength of orthodontic brackets.  
*American Journal of Orthodontics and Dentofacial Orthopedics*, 100; 163-170.

Garn NW (1976)  
Direct bonding: a clinical study using an ultraviolet-sensitive adhesive system.  

Garner LD & Kotwal NS (1973)  
Correlation study of incisive biting forces with age, sex and anterior occlusion.  
*Journal of Dental Research*, 52, 698-702.

Gerbo LR, Lacefield WR, Wells BR & Russell CM (1992)  
The effect of enamel preparation on tensile bond strength of orthodontic composite resin.  
*Angle Orthodontist*, 62; 275-281.

Glatz EGM & Featherstone JDB (1985)  
Deminerlization related to orthodontic bands and brackets: a clinical study.  
*American Journal of Orthodontics and Dentofacial Orthopedics*, 87; 87 (abstract).

Gorelick L (1977)  
Bonding metal brackets with a self polymerizing sealant-composite. A 12 month assessment.  
*American Journal of Orthodontics*, 71; 542-553.

Gorelick L (1979)  
Bonding- state of the art: a national survey.  
Gottlieb EW, Retief DH & Jamison HC (1982)
An optimal concentration of phosphoric acid as an etching agent. Part I:
Tensile bond strength studies.

1990 JCO study of orthodontic diagnosis and treatment procedures: part
I: results and trends.

A method for measurement of occlusal force in three directions.
Helvetica Odontologica Acta, 18; 7-11.

An in vitro evaluation of a visible light-cured resin as an alternative to
conventional resin bonding systems.
American Journal of Orthodontics and Dentofacial Orthopedics, 96; 214-220.

Handling characteristics and bond strength of eight direct bonding
orthodontic cements.
Journal of Clinical Orthodontics, 14; 631-636.

Gwinnett AJ (1973)
The bonding of sealants to enamel.
Journal of the American Society for Preventive Dentistry, 3; 21-26.

Gwinnett AJ & Buonocore MG (1965)
British Dental Journal, 119; 77-80.

Gwinnett AJ & Matsui A (1967)
A study of enamel adhesives. The physical relationship between enamel
and adhesive.
Archives of Oral Biology, 12; 1615-1620.

Hallgren A, Oliveby A & Twetman S (1992)
Caries associated microflora in plaque from orthodontic appliances
retained with glass ionomer cement.
Scandinavian Journal of Dental Research, 100; 140-143.

Haraldson T, Carlsson G & Ingervall B (1979)
Muscle function during chewing and swallowing in patients with
osseointegrated oral implant bridges.
Acta Odontologica Scandinavica, 95; 195-266.
Heringer M, Almeida MA & Miguel A (1993)  
Direct bond brackets: Cotton roll versus rubber dam isolation.  
*Angle Orthodontist*, 63; 231-234.

Hermsen RJ & Vrijhoef MMA (1993)  
Loss of enamel due to etching with phosphoric or maleic acid.  
*Dental Materials*, 9; 332-336.

Hirce JD, Sather AH & Chao EYS (1980)  
The effect of topical fluorides, after acid etching of enamel, on the bond strength of directly bonded orthodontic brackets.  
*American Journal of Orthodontics*, 78; 444-452.

Changes in bracket slot tolerance following recycling of direct-bond metallic orthodontic appliances.  

Hocevar RA (1977)  
Direct bonding metal brackets with the Concise Enamel Bond System.  
*Journal of Clinical Orthodontics*, 11; 473-482.

Hotz P, McLean JW, Sced I & Wilson AD (1977)  
The bonding of glass ionomer cements to metal and tooth substrates.  
*British Dental Journal*, 142; 41-47.

Jassem HA, Retief DH & Jamison HC (1981)  
Tensile and shear bond strengths of bonds and rebonded orthodontic attachments.  
*American Journal of Orthodontics*, 79; 661-668.

Jobalia SB, Valente RM, de Rijk WG, BeGole EA & Evans CA (1997)  
Bond strength of visible light-cured glass ionomer orthodontic cement.  

Johnson WT, Hembree JH & Weber FN (1976)  
Shear strength of orthodontic direct-bonding adhesion.  
*American Journal of Orthodontics*, 70; 559-566.

Joseph VP & Rossouw PE (1990a)  
The shear bond strengths of stainless steel orthodontic brackets bonded to teeth with orthodontic composite resin and various fissure sealants.  
Joseph VP & Rossouw PE (1990b)  
The shear bond strengths of stainless steel and ceramic brackets used with chemically and light-activated composite resins.  

The effect of adhesive layer thickness on bond strength.  
*Journal of Clinical Orthodontics*, 26; 718-723.

Keizer S, Ten Cate JM & Arends J (1976)  
Direct bonding of orthodontic brackets.  
*American Journal of Orthodontics*, 69; 318-327.

Kent BW, Lewis GG & Wilson AD (1973)  
The properties of a glass ionomer cement.  
*British Dental Journal*, 135; 322-326.

A clinical trial comparing the failure rates of directly bonded brackets using etch times of 15 or 60 seconds.  

Bond strength and durability of glass ionomer cements used as bonding agents in the placement of orthodontic brackets.  
*American Journal of Orthodontics and Dentofacial Orthopedics*, 96; 60-64.

Knoll M, Gwinnett AJ & Wolff MS (1986)  
Shear strength of brackets bonded to anterior and posterior teeth.  
*American Journal of Orthodontics*, 89; 476-479.

Koch, G & Pettersson, I.G. (1972)

Kusy RP (1994)  
Letter to the Editor. When is stronger better?  

Comparison between a zinc phosphate cement and a glass ionomer cement for cementation of orthodontic bands.  

Lee HL, Orlowski JA & Rogers BJ (1976)  
A comparison of ultraviolet curing and self curing polymers in preventive, restorative and orthodontic dentistry.  
*International Dental Journal*, 26; 134-140.
Effects of phosphoric acid concentration and etch duration on the shear bond strength of an orthodontic bonding resin to enamel.
American Journal of Orthodontics and Dentofacial Orthopedics, 96; 485-492.

Lehman R & Davidson CL (1981)
Loss of surface enamel after acid etching procedures and its relation to fluoride content.
American Journal of Orthodontics, 80; 73-82.

Effect of pumice prophylaxis on the bond strength of orthodontic brackets.
American Journal of Orthodontics and Dentofacial Orthopedics, 111; 599-605.

In vitro study of 24-hour and 30-day shear bond strengths of three resin-glass ionomer cements used to bond orthodontic brackets.
American Journal of Orthodontics and Dentofacial Orthopedics, 113; 620-624.

Lloyd CH & Scrimgeour SN (1995)
Dental materials: 1993 literature review.
Journal of Dentistry, 23; 67-93.

Lopez JJ (1980)
Retentive shear strengths of various bonding attachments bases.
American Journal of Orthodontics, 77; 669-678.

Low T, Von Fraunhofer JA & Winter GB (1975)
The bonding of a polymeric fissure sealant to topical fluoride-treated teeth.
Journal of Oral Rehabilitation, 2; 303-307.

The relationship between bond strength and orthodontic bracket base surface area with conventional and microetched foil-mesh bases.
American Journal of Orthodontics and Dentofacial Orthopedics, 113; 276-81.

Maijer R & Smith DC (1979)
A new surface treatment for bonding.
Journal of Biomedical Material Research, 13; 975-982.
Maijer R & Smith DC (1981)  
Variables influencing the bond strength of metal orthodontic bracket bases.  
*American Journal of Orthodontics*, 79; 20-34.

Maijer R & Smith DC (1982)  
Corrosion of orthodontic bracket bases.  

Malmgren O & Medin L (1981)  
Överkänslighetsreaktioner vid användning av bondingmaterial inom ortodontivård.  
*Tandläkartidningen*, 73; 544-554.

Mannerberg F (1960)  
Appearance of tooth surface.  
*Odontology Review*, 11; suppl 6.

Mascia VE & Chen SR (1982)  
Shearing strength of recycled direct-bonding brackets.  
*American Journal of Orthodontics*, 82; 211-216.

McCourt JW, Cooley RL & Barnwell (1991)  
Bond strength of light-cure fluoride-releasing base-liners as orthodontic bracket adhesives.  
*American Journal of Orthodontics*, 100; 47-52.

Development and use of water-hardened glass-ionomer luting cements.  
*Journal of Prosthetic Dentistry*, 52; 175-181.

Meng CL, Li CH & Wang WN (1998)  
Bond strength with APF applied after acid etching.  

Miller RA (1995)  
Bonding fluorosed teeth: new materials for old problems.  

Millet DT & Gordon PH (1994)  
A 5-year clinical review of bond failure with a no-mix adhesive (Right on®).  
*European Journal of Orthodontics*, 16; 203-211.

Millet DT, McCabe JF & Gordon BH (1993)  
The role of sandblasting on the retention of metallic brackets applied with glass ionomer cement.  
*British Journal Of Orthodontics*, 20; 119-122.
Mitchell L (1993) 
Decalcification during orthodontic treatment with fixed appliances - an overview. 
British Journal of Orthodontics, 19; 199-205.

Mitchell L (1994) 
Orthodontic products update: Orthodontic bonding adhesives. 
British Journal of Orthodontics, 21; 79-82.

Miura F, Nakagawa K & Ishizati A (1973) 
Scanning electron microscopic studies on the direct bonding system. 
Bulletin of the Tokyo Medical and Dental University, 20; 245-260.

Miura F, Nakagawa K & Masuhara E (1971) 
New direct bonding system for plastic brackets. 

Comparison of different bonding materials for laser debonding. 

Mizrahi E (1983) 
Orthodontic bands and directly bonded brackets: a review of clinical failure rate. 
Journal of Dentistry, 11; 231-236.

Mizrahi E (1988) 
Glass ionomer cements in orthodontics- an update. 
American Journal of Orthodontics, 93; 505-507.

Mizrahi E (1995) 
Clinical applications of electrothermal bonding. 
Journal of Clinical Orthodontics, 29; 268-272.

Mizrahi E & Smith DC (1971) 
Direct attachment of orthodontic brackets to dental enamel. 
British Dental Journal, 130; 392-396.

Moin K & Dogon JL (1977) 
Indirect bonding of orthodontic attachments. 
American Journal of Orthodontics, 72; 261-275.

Adhesion of orthodontic cements to human enamel. 
Journal of Dental Research, 55; 411-418.

Newman GV (1965) 
Epoxy adhesives for orthodontic attachments: progress report. 
American Journal of Orthodontics, 51; 901-912.
Newman GV (1969)
Adhesion and orthodontic plastic attachments.

Newman GV (1973)
Current status of bonding attachment.

Newman GV (1978)
A posttreatment survey of direct bonding of metal brackets.

Newman GV (1992)
First direct bonding in orthodontia.

Update on bonding brackets: an *in vitro* survey.
*Journal of Clinical Orthodontics*, 28; 396-402.

Ng’ang’a PM, Øgaard B, Cruz R, Chindia ML & Aasr um E (1992)
Tensile strength of orthodontic brackets bonded directly to fluorotic and nonfluorotic teeth: An *in vitro* comparative study.
*American Journal of Orthodontics and Dentofacial Orthopedics*, 102; 244-250.

Nordenvall KJ Brännström M & Malmgren O (1980)
Etching deciduous and young and old permanent teeth. A comparison between 15-60 seconds of etching.

Norris RA, Norling BK & McCourt JW (1990)
Bonding strengths of mesh backed vs silica coated orthodontic brackets.
*Journal Of Dental Research*, 69, 209; (Abstract 802).

O’Brien KD, Watts DC & Read MJF (1988)
Residual debris and bond strength- Is there a relationship?

O’Brien KD, Read MJF, Sandison RJ & Roberts CT (1989)
*American Journal of Orthodontics and Dentofacial Orthopedics*, 95; 348-351.
Ødegaard J & Segner D (1988)
Shear bond strength of metal brackets compared with a new ceramic bracket.

Oen JO, Gjerde NT & Wiseth PJ (1991)
Glassionomer cements used as bonding materials for metal orthodontic brackets. An *in vitro* study.

Cariostatic effect and fluoride release from a visible light-curing adhesive for bonding of orthodontic brackets.

Olsen ME, Bishara SE, Boyer DB & Jakobsen JR (1996)
Effect of varying etching times on the bond strength of ceramic brackets.

Olsen ME, Bishara SE, Damon P & Jakobsen JR (1997a)
Evaluation of Scotchbond multipurpose and maleic acid as alternative methods of bonding orthodontic brackets.

Olsen ME, Bishara SE, Damon P & Jakobsen JR (1997b)
Comparison of shear bond strength and surface structure between conventional acid etching and air-abrasion of human enamel.

O'Reilly MM & Featherstone JDB (1987)
Demineralization and remineralization around orthodontic appliances: an *in vivo* study.

Powers JM, Kim H & Turner DS (1997)
Orthodontic adhesives and bond strength testing.
*Seminars in Orthodontics*, 3; 147-156.

Occlusal forces in normal and long faced adults.
*Journal of Dental Research*, 62; 566-571.
Proffit WR (1993)

Pus MD & Way, DC (1980)
Enamel loss due to orthodontic bonding with filled and unfilled resins using various clean-up techniques.
American Journal of Orthodontics, 77; 269-283.

Rasmussen S (1978)
Fracture studies of adhesion.
Journal of Dental Research, 57; 11-20.

Bond strengths of two integral bracket-base combinations: an in vitro comparison with foil mesh.

Retief DH (1973)
Effect of conditioning the enamel surface with phosphoric acid.
Journal of Dental Research, 52; 333-341.

Retief DH (1974a)
The mechanical bond.
International Dental Journal, 28; 18-27.

Retief DH (1974b)
Failure at the dental adhesive-etched enamel interface.
Journal of Oral Rehabilitation, 1; 265-284.

Retief DH (1974c)
A comparative study of three etching solutions. Effect on contact angle, rate of etching and tensile bond strength.
Journal of Oral Rehabilitation, 1; 381-390.

Retief DH (1975)
The use of 50 per cent phosphoric acid as an etching agent in orthodontics: A rational approach.
American Journal of Orthodontics, 68; 165-178.

Retief DH (1978)
The mechanical bond.
International Dental Journal, 28; 18-27.

Retief DH, Dreyer CJ & Gavron G (1970)
The direct bonding of orthodontic attachments to teeth by means of an epoxy resin adhesive.
American Journal of Orthodontics, 58; 21-40.
Retief DH, Harris BE, Bradley EL & Denys FR (1985)
Pyruvic acid as an etching agent in clinical dentistry.
*Journal of Biomedical Materials Research*, 19; 335-348.

Retief DH & Sadowsky PL (1975)
Clinical experience with acid-etch technique in orthodontics.

Reynolds IR (1975)
A review of direct orthodontic bonding.
*British Journal of Orthodontics*, 2; 171-178.

Reynolds IR & Von Fraunhofer JA (1976)
Direct bonding of orthodontic attachments to teeth.
*British Journal of Orthodontics*, 3; 91-95.

Rezk-Lega F & Øgaard B (1991)
*American Journal of Orthodontics and Dentofacial Orthopedics*, 100; 357-361.

An *in vivo* study on the merits of two glass ionomers for the cementation of orthodontic bands.

Richard FC & Gwinnett AJ (1980)
Microscopic evaluation of the thickness of sealants used in orthodontic bonding.

Ruyter IA & Øysaed H (1982)
Conversion in different depths of ultraviolet and visible light activated composite materials.
*Acta Odontologica Scandinavica*, 40; 179-183.

Sadler JF (1958)
A survey of some commercial adhesives: their possible application in clinical orthodontics.
*American Journal of Orthodontics*, 44; 65 (abstract).

Schiffer A, Jost-Brinkmann PG & Miethke RR (1992)
The tensile strength of bracket adhesives depending on the adhesive layer thickness: an *in vitro* study.
Fortschritte Kieferorthopädie, 53; 297-303.
Schultz RP, Mayhew RB, Oesterle LJ & Pierson WR (1985) Bond strengths of three resin systems used with brackets and embedded wire attachments.
*American Journal of Orthodontics*, 87; 75-80

*Journal of Clinical Orthodontics*, 15; 694-705.

Sheen D, Wang WM & Tarng TH (1993) Bond strength of younger and older permanent teeth with various etching times.
*Angle Orthodontist*, 63; 225-230.

*Journal of Clinical Orthodontics*, 16; 338-340.

Sheykholeslam Z & Brandt S (1977) Some factors affecting the bonding of orthodontic attachments to tooth surface.
*Journal of Clinical Orthodontics*, 11; 734-737.

*American Journal of Orthodontics*, 65; 76-84.


Silverman E, Cohen M, Gianelly AA & Dietz VS (1972) A universal direct bonding system for both metal and plastic brackets.
American Journal of Orthodontics, 62; 236-244.

Silverman E, Cohen M & Gwinnet AA (1979) JCO-interview on bonding.
*Journal of Clinical Orthodontics*, 13; 236-251.


Silverstone LM (1982)
The effect of fluoride in the remineralization of enamel caries and caries-like lesions in vitro.
*Journal of Public Health in Dentistry*, 42; 42-49.

Siomka LV & Powers JM (1985)
*In vitro* bond strength of treated direct-bonding metal bases.

Smith RT & Shivapuja PK. (1993)
The evaluation of dual cement resins in orthodontic bonding.

Soetopo DR, Beech DR & Hardwick JL (1978)
Mechanism of adhesion of polymers to acid-etched enamel.

Comparison in shear bond strength of orthodontic brackets between five bonding systems related to different etching times: An *in vitro* study.

Long term F release from glass ionomer cements.
*Journal of Dental Research*, 63; 158-160.

Tavas MA & Watts DC (1979)
*British Journal of Orthodontics*, 6; 207-208.

Ten Cate JM & Arends (1977)
Remineralization of artificial lesions *in vitro.*
*Caries Research*, 11; 277.

Thanos CE, Munholland T & Caputo AA (1979)
Adhesion of mesh-base direct-bonding brackets.
*American Journal of Orthodontics*, 75; 421-430.

Thompson IR, Miller EG & Bowles WH (1982)
Leaching of unpolymerized materials from orthodontic bonding resin.
*Journal of Dental Research*, 61; 989-993.

Enamel loss due to prophylaxis and multiple bonding/debonding of orthodontic attachments.
Trimpeneers LM & Dermaut LR (1996)
A clinical evaluation of the effectiveness of a fluoride-releasing visible light-activated bonding system to reduce demineralization around orthodontic brackets.

Shorter etching times in orthodontic bonding: an *in vivo* study.
*Journal of Dental Research*, 67; 776.

Vorhies AB, Donly KJ, Staley RN & Wefel JS (1998)
Enamel demineralization adjacent to orthodontic brackets bonded with hybrid glass ionomer cements: An *in vitro* study.

Wang WN & Lu TC (1991)
Bond strength with various etching times on young permanent teeth.
*American Journal of Orthodontics and Dentofacial Orthopedics*, 100; 72-79.

Wang WN & Meng C (1992)
A study of bond strength between light and self cured orthodontic resin.

Wang WN, Meng CL & Tarng TH (1997)
Bond strength: A comparison between chemical coated and mechanical interlock bases of ceramic and metal brackets
*American Journal of Orthodontics and Dentofacial Orthopedics*, 111; 374-381.

Wang WN, Yeh CL, Fang BD, Sun KT & Arvystas MG (1994)
Effect of H₃PO₄ concentration on bond strength.
*Angle Orthodontist*, 64; 377-382.

Weiss A (1985)
Reducing bond failures with a no-mix adhesive.
*Journal of Clinical Orthodontics*, 19; 139-141.

Weisser JL (1973)
A successful method of bonding stainless steel brackets and auxiliaries.
*Journal of Clinical Orthodontics*, 7; 637-645.

Wertz RA (1980)
Beginning bonding- State of the art (?)
*Angle Orthodontist*, 50; 245-247.
Wheeler JJ & Ackerman RJ (1983)
Bond strength of thermally recycled metal brackets.

Williams BF & Von Fraunhofer JA (1977)
The influence of the time of etching and washing on the bond strength of fissure sealants applied to enamel.
*Journal of Oral Rehabilitation*, 4; 139-143.

Wilson AD & Kent BW (1972)
A new translucent cement for dentistry.
*British Dental Journal*, 132; 133-135.

Wilson HJ (1988)
Resin-based restoratives.
*British Dental Journal*, 164; 326-330.

Wiltshire WA (1994)
Shear bond strengths of a glass ionomer for direct bonding in orthodontics.

Wiltshire WA & Janse van Rensburg SD (1995)
Fluoride release from four visible light-cured orthodontic adhesive resins.

Wright WJ & Powers JM (1985)
*In vitro* tensile bond strength of reconditioned brackets.

Zachrisson BU (1977)
A post treatment evaluation of direct bonding in orthodontics.

Zachrisson BU (1994)
Bonding in Orthodontics.

Zachrisson BU & Årtun J (1979)
Enamel surface appearance after various debonding techniques.
*American Journal of Orthodontics*, 75; 121-137.

Zachrisson BU & Brobakken BO (1978)
Clinical comparison of direct versus indirect bonding with different bracket types and adhesives.
*American Journal of Orthodontics*, 74; 62-78.
Zachrisson BU & Mjør (1975)
Remodeling of teeth by grinding.
*American Journal of Orthodontics*, 68; 545-552.

Zachrisson YØ, Zachrisson BU & Büyükyilmaz T (1996)
Surface preparation for orthodontic bonding to porcelain.

Zidan O & Hill G (1986)
Phosphoric acid concentration: Enamel surface loss and bonding strength.