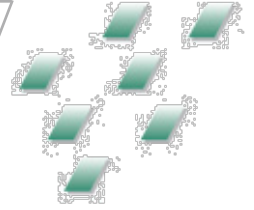


References

As of 27 November 2023



Initial Lisi Press

Lithium disilicate glass
ceramics

Peer-reviewed articles

About Initial™ LiSi Press

1. Miyake T, Mashio G, Mori D, Fujimoto T, Yoshinaga M, Yokohara H, Hoshino T, Miyake T, Sato T, Kumagai T. Evaluation of Optical and Physical Properties for Initial LiSi Press. *Dental Materials* 32 (January 1, 2016): e21
2. Carrabba M, Nagasawa Y, Julosky J, Ferrari M. Flexural Strength of CAD/CAM and Pressed Novel Lithium Disilicate. *Dental Materials* 33 (January 1, 2017): e16–17
3. Ohashi K, Kameyama Y, Wada Y, Midono T, Miyake K, Kunzelmann K-H, Nihei T. Evaluation and Comparison of the Characteristics of Three Pressable Lithium Disilicate Glass Ceramic Materials. *International Journal of Development Research*, Vol. 07, Issue 11, pp16711-16716, November 2017
4. Ferrari M, Koken S, Grandini S, Ferrari Cagidiaco E, Joda T, Discepoli N. Influence of Cervical Margin Relocation (CMR) on Periodontal Health: 12-Month Results of a Controlled Trial. *Journal of Dentistry* 69 (February 1, 2018): 70–76
doi:10.1016/j.jdent.2017.10.008
5. Ferrari M, Ferrari Cagidiaco E, Goracci C, Sorrentino R, Zarone F, Grandini S, Joda T. Posterior partial crowns out of lithium disilicate (LS2) with or without posts: A randomized controlled prospective clinical trial with a 3-year follow up.
<https://doi.org/10.1016/j.jdent.2019.01.004>
6. Hallmann L, Ulmer P, Gerngross M-D, Jetter J, Mintrone M, Lehmann F, Kern M. Properties of hot-pressed lithium silicate glass-ceramics. *Dental Materials*, Vol. 35, Issue 5, May 2019, Pages 713-729. <https://doi.org/10.1016/j.dental.2019.02.027>
7. Ferrari Cagidiaco E, Sorrentino R, Pontoriero D, Ferrari M. A randomized controlled clinical trial of two types of lithium disilicate partial crowns. *American Journal of Dentistry*, Vol. 33, No 6, December 2020 PMID: 33439557
8. Stawarczyk B, Dinse L, Eichberger M, Jungbauer R, Liebermann A. Flexural strength, fracture toughness, three-bodywear, and Martens parameters of pressable lithium-X-silicate ceramics. *Dental Materials* 2020 Mar;36(3):420-430. doi: 10.1016/j.dental.2020.01.009
9. Ferrari Cagidiaco E, Keeling A, Ferrari M. A randomized controlled clinical trial on press and block lithium disilicate partial crowns: a pilot study. *J Osseointegr* 2020;12(3):215-221. DOI 10.23805 /JO.2020.12.03.1
10. Al-Thobity A M, Alsalman A. Flexural properties of three lithium disilicate materials: An in vitro evaluation. *Saudi Dental Journal* (2020), <https://doi.org/10.1016/j.sdentj.2020.07.004>

11. Abdallah Abo-Elmagd A, Ebtehal M. Effect of Ultrasonic Scaling on Debonding of Lithium Disilicate Glass Ceramic Laminate Veneer Restorations Cemented to Tooth Structures: in Vitro Study. *International Journal of Dental Sciences and Research*, vol. 7, no. 2 (2019): 49-53. doi: 10.12691/ijdsr-7-2-5
12. Abdallah Abo-Elmagd A. 2020. Discrepancy of Vertical Marginal Fit of the Cemented Anterior Ceramic Restorations after Periodic Scaling. *International Archives of Integrated Medicine* 7 (1): 13–19.
13. Abujalala M, Nehir Özden A. Effects of Polishing versus Glazing on Dental Ceramic Wear: A Comparative In Vitro Study. *Journal of Medical Imaging and Health Informatics* 2020, 11 (1): 73–79. <https://doi.org/10.1166/jmihi.2021.3271>.
14. Mak A, Chio A. Cracks in the vital dentition: a restorative conundrum. *Clinical Dentistry*, September 2022.
15. Zumstein K, Fiscalini L, Al-Haj Husain N, Evcı E, Özcan M, Ioannidis A. Load-bearing capacity of pressable lithium disilicates applied as ultra-thin occlusal veneers on molars. *Journal of the Mechanical Behavior of Biomedical Materials*. Volume 136, December 2022, 105520
<https://doi.org/10.1016/j.jmbbm.2022.105520>
16. Kassis C, Mehanna C, Khoury P, Tohme H, Cuevas-Suárez CE, Bourgi R, Lukomska-Szymanska M, Hardan L. Triple scan evaluation of internal and marginal adaptation of overlays using different restorative materials. *J Esthet Restor Dent*. 2022;1–8. DOI: 10.1111/jerd.12977
17. EL-Etreby, A, McLaren, E. A. A step-by-step technique to create an ideal color match, form, and surface texture to all-ceramic restorations. *Journal of Esthetic and Restorative Dentistry* Oct 2023. <https://doi.org/10.1111/JERD.13145>
18. Alves LMM, Campos TMB, Bergamo ETP, Benalcazar Jalkh EB, Gierthmuehlen, PC, Sailer I, Thim GP, Strazzi-Sahyon HB, Celestrino M, Guimarães CCL, Bonfante EA. Hydrofluoric acid concentration and etching time affect differently the microstructure and surface properties of pressed lithium disilicate glass ceramics. *Journal of Esthetic and Restorative Dentistry*, Sep 2023.
<https://doi.org/10.1111/jerd.13140>

About Lithium Disilicate

1. Hallmann L, Ulmer P, Kern M. Effect of microstructure on the mechanical properties of lithium disilicate glass-ceramics. *J Mech Behav Biomed Mater*. Elsevier; 2018 Jun 1;82:355–70 <https://doi.org/10.1016/j.jmbbm.2018.02.032>

2. Monmaturapoj N, Lawita P, Thepsuwan W. Characterisation and Properties of Lithium Disilicate Glass Ceramics in the SiO₂-Li₂O-K₂O-Al₂O₃ System for Dental Applications. *Adv Mater Sci Eng. Hindawi*; 2013 Aug 7 ;2013:1–11
3. Ferrari M, Ferrari Cagidiaco E, Goracci C, Carrabba M, Joda T, Sorrentino R, Zarone F. A RCT on posterior teeth restored by disilicate partial crowns with or without posts: A three years clinical service. Abstracts of poster presentations XXXVII International AIOF Congress Bologna, 15, 16, 17 November 2018. p. 150–151
<https://www.journalofosseointegration.eu/index.php/jo/article/view/268/148>
4. Cagidiaco et al. A pilot trial on lithium disilicate partial crowns using a novel prosthodontic functional index for teeth (FIT). *BMC Oral Health* (2019) 19:276
<https://doi.org/10.1186/s12903-019-0957-4>

Abstracts and Presentations

1. Fujimoto T. Wear Resistance of Pressable Lithium Silicate Glass Ceramics. Poster presented at the 2017 IADR/AADR/CADR General Session (San Francisco, California), San Francisco, California, 2017
2. Hayashi K. Bond Strengths of Cements to a New Pressable Ceramics. Poster presented at the 2017 IADR/AADR/CADR General Session (San Francisco, California), San Francisco, California, 2017. Abstract 2550
3. Hoshino T. Characterization of Lithium–Disilicate Glass Ceramic CAD/CAM Blocks. Poster presented at the 2016 AADR/CADR Annual Meeting (Los Angeles, California), Los Angeles, California, 2016
4. Mashio G. Physical Properties of New High-Strength Lithium–Disilicate Press Ceramics. Poster presented at the 2016 AADR/CADR Annual Meeting (Los Angeles, California), Los Angeles, California, 2016
5. Matsumura M. Flexural Strength of New Pressable Lithium Disilicate Glass Ceramics. Poster presented at the 2017 IADR/AADR/CADR General Session (San Francisco, California), San Francisco, California, 2017
6. Mori D. Evaluation of Surface Roughness of Two Press Ceramic Systems. Poster presented at the 2017 IADR/AADR/CADR General Session (San Francisco, California), San Francisco, California, 2017
7. Naofumi M. Evaluation of Bonding Durability of G-CEM LinkForce to As-Press Surface of Ceramics. Presented at the Second Biennial Meeting of the International Academy of Adhesive Dentistry, June 2017

8. Sugano K. The Fitness of Crowns Fabricated by New Dental Pressable Ceramics. Poster presented at the 2017 IADR/AADR/CADR General Session (San Francisco, California), San Francisco, California, 2017
9. Yokohara H. Chemical Durability of Pressable Lithium Silicate Glass Ceramics. Poster presented at the 2016 IADR/APR General Session (Seoul, Korea), Seoul, Korea, 2016
10. Ohashi K, Miyake K, Kameyama Y, Wada Y, Midono T. Study on Characteristics of Lithium Disilicate Ceramics. IADR Abstract Archives. Poster presented at the 2017 IADR/AADR/CADR General Session (San Francisco, California), 2017
11. Fujimoto T, Mori D, Mashio G, Yoshinaga M, Yokohara H, Hoshino T, Miyake T, Azuma T, Sato T, Kumagai T. Evaluation of Physical Properties for Lithium Disilicate Glass Ceramics. 2017. Poster presented at The international Conference of Dental Technology 6th
12. Shikawa A. The Glossiness of Ceramics by Differences Polishing Appliances. 2017. Poster presented at the 2017 IADR/AADR/CADR General Session (San Francisco, California), 2017
13. Mori D, Yoshinaga M, Fujimoto T, Mashio G, Yokohara H, Hoshino T, Miyake T, Sato T KT. Evaluation of Newly Developed Investment Material for Press Ceramics. Proceedings of the International Dental Materials (IDMC) Congress 2016. Bali, Indonesia; 2016 p. 50
14. Miyake TK. Evaluation of Wear Property for Lithium Silicate Glass Ceramics. Japan Prosthodontic Society, The 126th Academic Conference; 2017 [cited 2018 Dec 20]. Available from: Poster Presented at the 126th Academic Conference of Japan Prosthodontic Society
15. Sugawara A, Fukushima TSK. Evaluation of Adhesion Performance of Self Adhesive Resin Cement for New Glass Ceramics "Initial LiSi Press". 2016. Poster presented at the 67th Annual Meeting of the Japanese Society of Dental Science and Technology*
16. Hoshika T, Kajihara T, Tatsuyama S, Tokuda M, Nishitani Y. Microtensile bond strengths of new adhesive resin cements on new ceramic block and dentin. In: poster presented at the Japanese Society of Conservative Dentistry. 2016. p. 32*
17. Ferrari M, Fabianelli A., Casucci A. RCT on clinical performances of LiSi Press vs e.max: 20-month recall. Abstracts of poster presentations XXXVII International AIOP Congress Bologna, 16, 17 November 2017. p. 343–4
18. Corsentino G, Carabba M, Ferrari Cagidiaco E, Casucci AMF. Post-Operative sensitivity of e.max vs LiSi Press onlays: a 20-month recall. Abstracts of poster presentations XXXVII International AIOP Congress Bologna, 16, 17 November 2017.p. 344–5

19. Chrispim B et al. Mechanical Cycling in Ultra-thin Occlusal Restorations By Lithium Disilicate. J Dent Res Vol 99 (Spec Iss A): 1281. <https://iadr2020.zerista.com/event/member/677594>, 2020
20. Ferrari E et al. A Pilot Trial on Lithium Disilicate Onlays Using a FIT. J Dent Res Vol 99 (Spec Iss A): 1884. <https://iadr2020.zerista.com/event/member/679423>, 2020
21. Fujimori K, Matsumoto N, Arita A, Kumagai T. Evaluation of bonding properties of G-CEM LinkForce to ceramic restorations. Dental Materials, Vol 32, Supplement 1, 2016, P. e28-29. DOI:[10.1016/j.dental.2016.08.057](https://doi.org/10.1016/j.dental.2016.08.057)
22. Kato K, Azuma T, Miyake T, Yokohara H, Akiyama S, Fujimoto T, Mashio G, Sato T, Kumagai T. GC Corporation. Stability of pressable lithium silicate glass ceramics against acidic solution.

Articles and Reports in Dental Magazines

1. Morimoto T. Key Points to the Successful Laboratory Processing of Press Ceramics. GC Get Connected, 9, 2017
2. Roozen SM. Initial™ LiSi Press for all ceramic restorations on discoloured preps. GC Get Connected 10. 2018;5–11
3. Brusch M. 15 years Initial™: the birth and evolution of a highly innovative class. GC Get Connected 11. 2018;41–8
4. Contrepois M, Bellamy J. Bonded ceramic Restorations: Management of two different substrates. GC Get Connected 11. 2018 ;25–9
5. Kahng L. How to Use GC Initial™ LiSi Press Ceramic for a Single Anterior Crown. LMTmag, November 2016
[LMTmag | How to Use GC Initial™ LiSi Press Ceramic for a Single Anterior Crown](#)
6. Barlow D. Polychromatic Layering. Journal of Dental Technology, January 2017, 32–36
7. AEGIS Communications. IDT Readers' Choice Awards. Inside Dental Technology, July 2017
<https://www.aegisdentalnetwork.com/idt/2017/07/2017readerschoiceaward>
8. Cone MR, Lammott CL. Making Cementation and All Ceramic Material Selections to Influence Crown Imperceptibility among Tetracycline Stained Teeth. Dental Economics, October 2017
[Making cementation and all-ceramic material selections to influence crown imperceptibility among tetracycline-stained teeth | Dental Economics](#)
9. Hodges A. Technician's Journey Reaches High Point with Commitment to Quality. Inside Dental Technology, May 2017

<https://www.aegisdentalnetwork.com/idt/2017/05/techniciansjourneyreachehighpointwithcommitmenttoquality>

10. Wilson J. Lithium Disilicate, Reformulated. Inside Dental Technology, December 2017
<https://www.aegisdentalnetwork.com/idt/2017/12/lithiumdisilicaterreformulated?token=jkDhzqyESa2xt9sxtQjdi0Btd>.
11. Bay, Step. The Making of a Sample Model. Spectrum Dialogue Digital Edition, July 2018
http://www.spectrumdialogue.com/digital_edition.php
12. Pamplona JA. Observations on white materials in daily work. Labline, autumn 2019
13. Fisher C. Press for success! GC Get Connected
14. Hery F. Inlays Onlays presses avec le four Variopress 300eZR ZUBLER. Tech.Dent. N° 403/404 – 07-08/20
15. Ceramics and Surface Treatments. Dental Advisor May/June 2018, Vol.35, No 03. <https://www.dentaladvisor.com/issues/v-35-n-03/>.