

# References

As of 1<sup>st</sup> October 2021



Initial™  
LiSi Block

Lithium Disilicate  
CAD/CAM Block





# Initial™ LiSi Block

## Lithium Disilicate CAD/CAM Block

### Physical property

1. **Chemical durability of CAD/CAM glass-ceramic blocks.** Hoshino T, Matsudate Y, Sasaki K. 2019. 97th General Session & Exhibition of the IADR. 0100.
2. **Microstructure of new lithium-disilicate CAD/CAM block.** Miyake T, Kato K, Akiyama S, Azuma T, Yamamoto K, Kojima K, Nagaoka K, Shiraki K, Fujimoto A, Sato T, Kumagai T. 2019. Dental Materials. 35(Suppl 1):e25.
3. **Mechanical properties and microstructure of novel Lithium disilicate glass ceramic block for CAD/CAM.** Nagaoka K, Kato K, Akiyama S, Kojima K, Miyake T, Azuma T, Shiraki K, Yamamoto K, Kumagai T. 2019. ICP and EPA Joint Meeting.
4. **In vitro Surface Roughness of Novel Lithium Silicate CAD/CAM Material.** Valcanaia A, Neiva G. 2020. 98th General Session & Exhibition of the IADR. 1827.
5. **Bonding durability of adhesive resin cement to lithium silicate glass ceramic block for CAD/CAM.** Akiyama S, Fusejima F. 2020. The 153rd Meeting of the Japanese Society of Conservative Dentistry. P19. (available only in Japanese)
6. **Fracture-behavior of CAD/CAM ceramic crowns before and after cyclic fatigue aging.** Garoushi S, Säilynoja E, Vallittu PK, Lassila L. 2021. Int J Prosthodont. In press.

### Marginal quality

1. **Edge-Stability of the Novel Lithium Disilicate Glass-Ceramic Block for CAD/CAM.** Akiyama S, Kumagai T, Kojima K, Miyake T, Azuma T, Nagaoka K, Shiraki K, Fujimoto A, Yamamoto K, Kato K. 2019. CED-IADR/NOF Oral Health Research Congress. 0097.
2. **Marginal fit of lithium disilicate glass ceramic blocks for CAD/CAM.** Kojima K, Kumagai T. 2020. The Journal of the Japan Academy of Digital Dentistry. 10(1):59. (available only in Japanese)
3. **Edge Chipping Resistance of Glass Ceramic Block for CAD/CAM.** Kato K, Kumagai T, Akiyama S, Kojima K, Miyake T, Azuma T, Nagaoka K, Shiraki K, Fujimoto A, Yamamoto K. 2020. 98th General Session & Exhibition of the IADR. 0083.
4. **Edge Chipping Resistance of CAD/CAM Glass Ceramic Block.** Akiyama S, Azuma T, Kariya S, Fusejima F. 2021. 99th General Session & Exhibition of the IADR. 0536.
5. **Influence of Crystallization Firing on the Fit of Lithium Silicate Inlays.** Niizuma Y, Kobayashi M, Sugai R, Mizukami H, Manabe A. 2021. 99th General Session & Exhibition of the IADR. 1578.
6. **Fitting evaluation of the novel machinable lithium disilicate glass ceramics before and after thermal treatment.** Nagaoka K, Yamamoto K, Azuma T, Kojima K, Kariya S, Fusejima F, Kumagai T. 2021. The Journal of the Japan Academy of Digital Dentistry. 11(1):53. (available only in Japanese)
7. **The internal fitness of crowns using lithium disilicate glass ceramics without heat treatment.** Oishi Y, Nozaki K, Shin C, Oishi S, Nemoto R, Miura H. 2021. Ann Jpn Prosthodont Soc. 13. 130th Special Issue: 173. (available only in Japanese)



### Wear resistance

1. **Wear properties of lithium silicate glass ceramic block for CAD/CAM.** Kojima K, Kumagai T, Kato K, Akiyama S, Miyake T, Azuma T, Nagaoka K, Shiraki K, Yamamoto K, Sato T. 2019. 97th General Session & Exhibition of the IADR. 1259.
2. **Wear resistance of novel machinable lithium disilicate glass-ceramics.** Azuma T, Kato K, Akiyama S, Kojima K, Miyake T, Shiraki K, Nagaoka K, Fujimoto A, Yamamoto K, Kumagai T. 2019. 4th Meeting of the IADR Asia Pacific Region.
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### Clinical study

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