

# Evidence-based Dentistry Newsletter

GCI AG, July 2023

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**'GCI'**



# Initial LiSi Block

Lithium Disilicate  
Redefined for CAD/CAM

## Key Map

	Strong
	Durable
	Aesthetic
	Time-saving
	Cost-efficient



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## Bonding Strength for Lithium Disilicate Glass-Ceramics in Resin Cement System.

New


Kato H, Hirano K, Shinozaki Y. 2023. 52<sup>nd</sup> Annual Meeting & Exhibition of the AADOCR. J Dent Res Vol 102(Spec Iss A):0406.

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## Fitting Accuracy of CAD/CAM Fabricated Lithium Disilicate Glass-ceramic Restoration

New

Azuma T, Akiyama S, Shinozaki Y. 2023. 101<sup>st</sup> General Session & Exhibition of the IADR. J Dent Res Vol 101 (Spec issue B):1077.

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## Marginal adaptation of CAD/CAM milled lithium disilicate glass ceramic crowns

Kojima K, Nagaoka K, Murata Y, Yamamoto K, Akiyama S, Hokii Y, Fusejima F. 2022. J Osseointegr;14(4):201-204.



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## Comparison of dimensional accuracy of lithium disilicate CAD/CAM ceramics

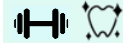
Yamamoto K, Murata Y, Nagaoka K, Akiyama S, Hokii Y, Fusejima F. 2022. J Osseointegr; 14(4), 205–208.



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## An investigation on fatigue, fracture resistance, and color properties of aesthetic CAD/CAM monolithic ceramics

Fouda A, Atta O, Ozcan M, Stawarczyk B, Glaum R, Bourauel.2023. Clin Oral Invest 27, p2653–2665.



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## Evaluation of two lithium disilicate system using a novel prosthodontic Functional Index for Teeth (FIT)

Ferrari Cagidiaco E, Ambu L, Ferrari M. 2022. 45° EPA Congress.



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## Acid Resistance of Lithium Disilicate Glass Ceramics

Onodera M, Azuma T, Murata Y, Yamamoto K, Hokii Y, Akiyama S, Shinozaki Y. 2023. 52<sup>nd</sup> Annual Meeting & Exhibition of the AADOCR. J Dent Res Vol. 102 (Spec Iss A): 0760.



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## Effect of Firing Process on Accuracy of Machinable LDS Blocks.

Hokii Y, Yamamoto K, Fusejima F. 2022. PER/IADR Oral Health Research Congress. J Dent Res Vol 101 (Spec issue C): P111.

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
## Evaluation of Acid Resistance for Novel Machinable Lithium Disilicate Glass-Ceramics.

Toshihiko A, Mizuho O, Yusuke O, Shinegori A, Fusejima F. 2022. 51<sup>st</sup> Annual Meeting & Exhibition of the AADOCR. 46th Annual Meeting of the CADR. J Dent Res Vol 101 (Spec Iss A):Final Presentation ID: 0472

 13

## Evaluation of Post Milling Microcrack Formation in Lithium Disilicate Block.

Murata Y, Hokii Y, Shinegori A, Fusejima F. 2022. 100<sup>th</sup> General Session & Exhibition of the IADR. J Dent Res 101 (Spec Iss B):1237.

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## Wear behavior and abrasiveness of monolithic CAD/CAM ceramics after simulated mastication.

Fouda AM, Atta O, Kassem A, Desoky M, Bourauel C. Clin Oral Invest 26, 6593 - 6605 (2022).

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## Chemical durability of CAD/CAM glass-ceramic blocks.

Hoshino T, Matsudate Y, Sasaki K. 2019. 97<sup>th</sup> General Session & Exhibition of the IADR. J Dent Res 98 (Spec Iss A):abstract number 0100.



14

## 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.



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## In vitro Surface Roughness of Novel Lithium Silicate CAD/CAM Material.

Valcanaia A, Neiva G. 2020. 98<sup>th</sup> General Session & Exhibition of the IADR. J Dent Res 99 (Spec Iss A): abstract number 1827.



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## Edge Chipping Resistance of Glass Ceramic Block for CAD/CAM.

Kato K, Kumagai T, Akiyama, Kojima K, Miyake T, Azuma T, Nagaoka K, Shiraki K, Fujimoto A, Yamamoto K. 2020. 98<sup>th</sup> General Session & Exhibition of the IADR. J Dent Res 99 (Spec Iss A):abstract number 0083.



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## Influence of Crystallization Firing on the Fit of Lithium Silicate Inlays.

Niizuma Y, Kobayashi M, Sugai R, Mizukami H, Manabe A. 2021. 99<sup>th</sup> General Session & Exhibition of the IADR. 1578.



15

## 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. 97<sup>th</sup> General Session & Exhibition of the IADR. J Dent Res 98 (Spec Iss A): abstract number 1259.



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## Wear resistance of CAD/CAM glass ceramic blocks.

Hoshino T, Matsudate Y, Sasaki K. 2020. 98<sup>th</sup> General Session & Exhibition of the IADR. J Dent Res 99 (Spec Iss A): abstract number 1823.



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## Evaluation of Acid Resistance for Novel Lithium Disilicate Glass-Ceramic Block.

Azuma T, Shigenori A, Fusejima F. 2021. CED-IADR/NOF Oral Health Research Congress. J Dent Res 100 (Spec Iss B): abstract number 0233.



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## Evaluation of shear bond strength of glass-ceramic CAD-CAM materials.

Vombrant T, D'haese R, Sabrosa E, Geber K, Vandeweghe S. 2021. CED-IADR/NOF Oral Health Research Congress. J Dent Res 100 (Spec Iss B):abstract number 0203.



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## Fitting evaluation after heat treatment of lithium disilicate glass ceramic block for CAD/CAM.

Murata Y , Yamamoto K, Nagaoka K, Azuma T, Kojima K, Akiyama S, Fusejima F. ICP 2021 Virtual Meeting.



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## CAD/CAM fabricated prosthetic accuracies of Lithium Disilicate Glass Ceramic Block.

Yamamoto K, Hokii Y, Fusejima F. 2021. ADM 2021 Virtual Meeting.



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## [A randomized controlled clinical trial on press and block lithium disilicate partial crowns: a pilot study.](#)

Kojima K, Ferrari Cagidiaco E, Keeling A, Ferrari M. 2020. J Osseointegr. 12(3):215-221.



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## [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.



18

## [Shear bond strengths of two newly marketed self-adhesive resin cements to different substrates: A light and scanning electron microscopy evaluation.](#)

Atalay C, Vural U, Miletic I, Gurgan S. 2021. Microsc Res Tech. 2021;1-9.



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# Abstracts

## Initial LiSi Block

New



TITLE	<b>Bonding Strength for Lithium Disilicate Glass-Ceramics in Resin Cement System</b>
REFERENCE	Kato H, Hirano K, Shinozaki Y. 2023. 52 <sup>nd</sup> Annual Meeting & Exhibition of the AADOCR. J Dent Res Vol 102(Spec Iss A):0406. <a href="https://iadr.abstractarchives.com/abstract/52am-3823948/bonding-strength-for-lithium-disilicate-glass-ceramics-in-resin-cement-system">https://iadr.abstractarchives.com/abstract/52am-3823948/bonding-strength-for-lithium-disilicate-glass-ceramics-in-resin-cement-system</a>
∞	The combination G-CEM ONE+ G-Multi Primer+ Initial LiSi Block resulted in higher bond strength than other groups tested at both, 24h and 5.000 thermocycles.
💡	<b>This study suggests that the combination of G-CEM ONE and Initial LiSi Block may result in long-term clinical success.</b>



New



TITLE	<b>Fitting Accuracy of CAD/CAM Fabricated Lithium Disilicate Glass-ceramic Restoration</b>
REFERENCE	Azuma T, Akiyama S, Shinozaki Y. 2023. 101 <sup>st</sup> General Session & Exhibition of the IADR. J Dent Res Vol 101 (Spec issue B):1077. <a href="https://ww3.aievolution.com/iadr/index.cfm?do=ev.viewEv&amp;src=ext&amp;ev=718">https://ww3.aievolution.com/iadr/index.cfm?do=ev.viewEv&amp;src=ext&amp;ev=718</a> <u>1</u>
∞	Accuracy of LiSi Block was at the same level as that of e.max without crystallization. Gap of e.max significantly increased after crystallization.
💡	<b>LiSi Block does not need firing, not only saving time, but also contributing to an accurate restoration. Distortion or changes in dimension may lead to clinical failure. LiSi Block's technology may help to prevent distortions.</b>



# Full Paper

<b>TITLE</b>	<b>Marginal adaptation of CAD/CAM milled lithium disilicate glass ceramic crowns</b>
<b>REFERENCE</b>	Kojima K, Nagaoka K, Murata Y, Yamamoto K, Akiyama S, Hokii Y, Fusejima F. 2022, J Osseointegr;14(4):201-204. <a href="https://doi.org/10.23805/JO.2022.14.04.1">https://doi.org/10.23805/JO.2022.14.04.1</a>
	LiSi Block showed the best marginal fit, and it was not affected by heating treatment.
	<b>LiSi Block does not need firing, not only saving time, but also contributing to an accurate restoration. Distortion or changes in dimension may lead to clinical failure. LiSi Block's technology may help to prevent distortions.</b>



<b>TITLE</b>	<b>Comparison of dimensional accuracy of lithium disilicate CAD/CAM ceramics.</b>
<b>REFERENCE</b>	Yamamoto K, Murata Y, Nagaoka K, Akiyama S, Hokii Y, Fusejima F. 2022. J Osseointegr; 14(4), 205–208. <a href="https://doi.org/10.23805/JO.2022.14.04.2">https://doi.org/10.23805/JO.2022.14.04.2</a>
	LiSi Block showed the best dimensional accuracy before and after firing, with and adequate milling time to process a crown.
	<b>LiSi Block does not need firing, not only saving time, but also contributing to an accurate restoration. Distortion or changes in dimension may lead to clinical failure. LiSi Block's technology may help to prevent distortions.</b>



<b>TITLE</b>	<b>An investigation on fatigue, fracture resistance, and color properties of aesthetic CAD/CAM monolithic ceramics</b>
<b>REFERENCE</b>	Fouda A, Atta O, Ozcan M, Stawarczyk B, Glaum R, Bourauel.2023. Clin Oral Invest 27, p2653–2665. <a href="https://doi.org/10.1007/s00784-022-04833-y">https://doi.org/10.1007/s00784-022-04833-y</a>
	LiSi Block showed the highest translucency parameter, and its high fracture resistance was not affected by aging.
	<b>LiSi Block does not require firing. Its high load bearing capacity may help to prevent catastrophic failure even in the presence of high masticatory forces.</b>





# Abstracts

## Initial LiSi Block

<b>TITLE</b>	<b>Evaluation of two lithium disilicate system using a novel prosthodontic Functional Index for Teeth (FIT)</b>
<b>REFERENCE</b>	Ferrari Cagidiaco E, Ambu L, Ferrari M. 2022. 45° EPA Congress. Abstract ID: PP16. <i>link not available yet</i>
	The success rate of LiSi Block was 100% after 2-year of clinical service
	<b>Randomized clinical trial protocols are one of highest level of evidence-based dentistry. Therefore, results presented here, with 100% success rate of LiSi Block, are outstanding.</b>



<b>TITLE</b>	<b>Acid Resistance of Lithium Disilicate Glass Ceramics</b>
<b>REFERENCE</b>	Onodera M, Azuma T, Murata Y, Yamamoto K, Hokii Y, Akiyama S, Shinozaki Y. 2023. 52 <sup>nd</sup> Annual Meeting & Exhibition of the AADOCR. J Dent Res Vol. 102 (Spec Iss A): 0760 <a href="https://iadr.abstractarchives.com/abstract/52am-3824170/acid-resistance-of-lithium-disilicate-glass-ceramics">https://iadr.abstractarchives.com/abstract/52am-3824170/acid-resistance-of-lithium-disilicate-glass-ceramics</a>
	LiSi Block had lower amount of acid dissolution than e.max. The dissolved amount of LiSi Block bleach shade was at the same level as zirconia and the control group.
	<b>Low chemical solubility of LiSi Block may help in successful clinical outcome in the acidic environment of the oral cavity.</b>


<b>TITLE</b>	<b>Effect of Firing Process on Accuracy of Machinable LDS Blocks</b>
<b>REFERENCE</b>	Hokii Y, Yamamoto K, Fusejima F. 2022. PER/IADR Oral Health Research Congress. J Dent Res Vol 101 (Spec issue C): P111. <a href="https://per-iadr2022.com/docs/Abstract_Book.pdf">https://per-iadr2022.com/docs/Abstract_Book.pdf</a> pg186
	LiSi Block crowns showed the highest accuracy compared to e.max and CEREC Tessera and firing has not affected its accuracy.
	<b>LiSi Block does not need firing, not only saving time, but also contributing to an accurate restoration. Distortion or changes in dimension may lead to clinical failure. LiSi Block's technology may help to prevent distortions.</b>




# Abstracts

## Initial LiSi Block

<b>TITLE</b>	<b>Evaluation of Acid Resistance for Novel Machinable Lithium Disilicate Glass-Ceramics</b>
<b>REFERENCE</b>	Toshihiko A, Mizuho O, Yusuke O, Shinegori A, Fusejima F. 2022. 51st Annual Meeting & Exhibition of the AADOCR. 46th Annual Meeting of the CADR. J Dent Res Vol 101 (Spec Iss A):Final Presentation ID: 0472 <a href="https://iadr.abstractarchives.com/abstract/51am-3649098/evaluation-of-acid-resistance-for-novel-machinable-lithium-disilicate-glass-ceramics">https://iadr.abstractarchives.com/abstract/51am-3649098/evaluation-of-acid-resistance-for-novel-machinable-lithium-disilicate-glass-ceramics</a>
	In acidic environment, Initial LiSi Block maintained the gloss and showed the lowest amount of dissolution
	<b>Low chemical solubility of LiSi Block may help in successful clinical outcome in the acidic environment of the oral cavity.</b>

<b>TITLE</b>	<b>Evaluation of Post Milling Microcrack Formation in Lithium Disilicate Block</b>
<b>REFERENCE</b>	Murata Y, Hokii Y, Shinegori A, Fusejima F. 2022. 100th General Session & Exhibition of the IADR. J Dent Res 101 (Spec Iss B):1237. <a href="https://iadr.abstractarchives.com/abstract/22iaqs-3702456/evaluation-of-post-milling-microcrack-formation-in-lithium-disilicate-block">https://iadr.abstractarchives.com/abstract/22iaqs-3702456/evaluation-of-post-milling-microcrack-formation-in-lithium-disilicate-block</a>
	<b>This study suggests that the HDM technology for CAD/CAM - in which smaller crystal are dispersed in higher density - existing in LiSi Block, can reduce the risk of microcrack formation.</b>



## Full Paper



<b>TITLE</b>	<b>Wear behavior and abrasiveness of monolithic CAD/CAM ceramics after simulated mastication</b>
<b>REFERENCE</b>	Fouda AM, Atta O, Kassem A, Desoky M, Bourauel C. Clin Oral Invest (2022). <a href="https://doi.org/10.1007/s00784-022-04611-w">https://doi.org/10.1007/s00784-022-04611-w</a>
	<b>This study suggests that the HDM technology for CAD/CAM - in which smaller crystal are dispersed in higher density - can improve the wear resistance LiSi Block restorations.</b>





# Abstracts

## Initial LiSi Block

<b>TITLE</b>	<b>Chemical durability of CAD/CAM glass-ceramic blocks</b>
<b>REFERENCE</b>	Hoshino T, Matsudate Y, Sasaki K. 2019. 97th General Session & Exhibition of the IADR. J Dent Res 98 (Spec Iss A):abstract number 0100. <a href="https://iadr.abstractarchives.com/abstract/19iaqs-3168964/chemical-durability-of-cadcam-glass-ceramic-blocks">https://iadr.abstractarchives.com/abstract/19iaqs-3168964/chemical-durability-of-cadcam-glass-ceramic-blocks</a>
	Solubility of LiSi Block was much lower than that of the other products tested.
	<b>Low chemical solubility of LiSi may help in successful clinical outcome in the acidic environment of the oral cavity.</b>



<b>TITLE</b>	<b>Mechanical properties and microstructure of novel Lithium disilicate glass ceramic block for CAD/CAM</b>
<b>REFERENCE</b>	Nagaoka K, Kato K, Akiyama S, Kojima K, Miyake T, Azuma T, Shiraki K, Yamamoto K, Kumagai T. 2019. ICP and EPA Joint Meeting.
	The flexural strength of LiSi Block was 17% and 63% higher than Celtra Duo and Vita Enamic respectively.
	<b>Excellent values of flexural strength presented by LiSi Block may help support an outstanding clinical outcome even in the presence of high chewing forces.</b>



<b>TITLE</b>	<b>In vitro Surface Roughness of Novel Lithium Silicate CAD/CAM Material</b>
<b>REFERENCE</b>	Valcanaia A, Neiva G. 2020. 98th General Session & Exhibition of the IADR. J Dent Res 99 (Spec Iss A): abstract number 1827. <a href="https://iadr.abstractarchives.com/abstract/20iaqs-3324513/in-vitro-surface-roughness-of-novel-lithium-silicate-cadcam-material">https://iadr.abstractarchives.com/abstract/20iaqs-3324513/in-vitro-surface-roughness-of-novel-lithium-silicate-cadcam-material</a>
	Polishing resulted in the lowest surface roughness.
	<b>Not only does LiSi Block polishability saves time but it also may help reduce wear of opposing dentition or restoration.</b>





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<b>TITLE</b>	<b>Edge Chipping Resistance of Glass Ceramic Block for CAD/CAM</b>
<b>REFERENCE</b>	Kato K, Kumagai T, Akiyama, Kojima K, Miyake T, Azuma T, Nagaoka K, Shiraki K, Fujimoto A, Yamamoto K. 2020. 98th General Session & Exhibition of the IADR. J Dent Res 99 (Spec Iss A):abstract number 0083. <a href="https://iadr.abstractarchives.com/abstract/20iags-3315704/edge-chipping-resistance-of-glass-ceramic-block-for-cadcam">https://iadr.abstractarchives.com/abstract/20iags-3315704/edge-chipping-resistance-of-glass-ceramic-block-for-cadcam</a>
	LiSi Block presented higher resistance to edge chipping compared to e.max CAD
	<b>Excellent fit and reduced chipping may lead LiSi Block restorations to successful long-term outcomes.</b>



<b>TITLE</b>	<b>Influence of Crystallization Firing on the Fit of Lithium Silicate Inlays</b>
<b>REFERENCE</b>	Niizuma Y, Kobayashi M, Sugai R, Mizukami H, Manabe A. 2021. 99th General Session & Exhibition of the IADR. J Dent Res 100 (Spec Iss A):abstract number 1578. <a href="#">Influence of Crystallization Firing on Fit of Lithium Silicate Inlays IADR Abstract Archives</a>
	LiSi Block had less gaps at the occlusal and cervical margins compared to e.max CAD and Vita Suprinity.
	<b>Distortion or changes in dimension may lead to clinical failure. LiSi Block's technology helps to prevent distortions.</b>


<b>TITLE</b>	<b>Wear properties of lithium silicate glass ceramic block for CAD/CAM</b>
<b>REFERENCE</b>	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. J Dent Res 98 (Spec Iss A): abstract number 1259. <a href="#">Wear properties of lithium silicate glass ceramic block for CAD/CAM IADR Abstract Archives</a>
	LiSi Block showed 90% less wear compared to e.max CAD and Celtra Duo. The chance of damaging the antagonist was also lower for LiSi Block , 25% and 75% compared to e.max and Celtra Duo respectively.
	<b>Not only does LiSi Block polishability saves time but it also may help reduce wear of opposing dentition or restoration.</b>





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<b>TITLE</b>	<b>Wear resistance of CAD/CAM glass ceramic blocks</b>
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	LiSi Block showed 80% less wear than e.max CAD and 25% less chance to damage the antagonist.
	<b>Not only does LiSi Block polishability saves time but it also may help reduce wear of opposing dentition or restoration.</b>

<b>TITLE</b>	<b>Evaluation of Acid Resistance for Novel Lithium Disilicate Glass-Ceramic Block</b>
<b>REFERENCE</b>	Azuma T, Shigenori A, Fusejima F. 2021. CED-IADR/NOF Oral Health Research Congress. J Dent Res 100 (Spec Iss B): abstract number 0233. <a href="https://ced-iadr2021.com/wp-content/uploads/2021/09/Abstract-book_2021-9-20_Adjusted-version.pdf">https://ced-iadr2021.com/wp-content/uploads/2021/09/Abstract-book_2021-9-20_Adjusted-version.pdf</a> p.108
	<b>Low chemical solubility of LiSi Block may help result in successful clinical outcome in the acidic environment of the oral cavity.</b>



<b>TITLE</b>	<b>Evaluation of shear bond strength of glass-ceramic CAD-CAM materials</b>
<b>REFERENCE</b>	Vombrant T, D'haese R, Sabrosa E, Geber K, Vandeweghe S. 2021. CED-IADR/NOF Oral Health Research Congress. J Dent Res 100 (Spec Iss B):abstract number 0203. <a href="https://ced-iadr2021.com/wp-content/uploads/2021/09/Abstract-book_2021-9-20_Adjusted-version.pdf">https://ced-iadr2021.com/wp-content/uploads/2021/09/Abstract-book_2021-9-20_Adjusted-version.pdf</a> p.99
	The shear bond strength of LiSi Block was increased after 5,000 thermocycles.
	<b>Increased value of shear bond strength presented by LiSi Block may help support outstanding clinical outcomes.</b>







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## Initial LiSi Block



<b>TITLE</b>	<b>Fitting evaluation after heat treatment of lithium disilicate glass-ceramic block for CAD/CAM</b>
<b>REFERENCE</b>	Murata Y , Yamamoto K, Nagaoka K, Azuma T, Kojima K, Akiyama S, Fusejima F ICP 2021 Virtual Meeting. <i>link not available</i>
	LiSi block showed the smallest gap among the products tested, and gap size of these specimens was not affected by heating treatment.
	<b>Distortion or changes in dimension may help to clinical failure. LiSi Block’s technology may help to prevent distortions.</b>



<b>TITLE</b>	<b>CAD/CAM fabricated prosthetic accuracies of Lithium Disilicate Glass Ceramic Block</b>
<b>REFERENCE</b>	Yamamoto K, Hokii Y, Fusejima F. 2021. ADM 2021 Virtual Meeting. <a href="https://doi.org/10.1016/j.dental.2021.12.104">https://doi.org/10.1016/j.dental.2021.12.104</a>
	LiSi block showed the highest accuracy compared to e.max and CEREC Tessera.
	<b>LiSi Block does not need firing, not only saving time , but also contributing to an accurate restoration. Distortion or changes in dimension may lead to clinical failure. LiSi Block’s technology may help to prevent distortions</b>





# Full Paper

## Initial LiSi Block

<b>TITLE</b>	<b>A randomized controlled clinical trial on press and block lithium disilicate partial crowns: a pilot study</b>
<b>REFERENCE</b>	Ferrari Cagidiaco E, Keeling A, Ferrari M. 2020. J Osseointegr. 12(3):215-221. <a href="https://doi.org/10.23805/JO.2020.12.03.1">https://doi.org/10.23805/JO.2020.12.03.1</a>
	After 1 year of clinical service, LiSi Press and LiSi Block presented similar clinical outcome and effectiveness, with 100% success rate.
	<b>Randomized clinical trial protocols are one of highest level of evidence-based dentistry. Therefore, results presented here, with 100% success rate of LiSi Block, are outstanding.</b>

<b>TITLE</b>	<b>Fracture-behavior of CAD/CAM ceramic crowns before and after cyclic fatigue aging</b>
<b>REFERENCE</b>	Garoushi S, Säilynoja E, Vallittu PK, Lassila L. 2021. Int J Prosthodont. <a href="https://doi.org/10.11607/ijp.7207">doi: 10.11607/ijp.7207</a>
	Without the need of firing, LiSi Block presented similar load bearing capacity to that presented by e.max CAD.
	<b>LiSi Block does not require firing. Its high load bearing capacity may help to prevent catastrophic failure even in the presence of high masticatory forces.</b>

<b>TITLE</b>	<b>Shear bond strengths of two newly marketed self-adhesive resin cements to different substrates: A light and scanning electron microscopy evaluation</b>
<b>REFERENCE</b>	Atalay C, Vural U, Miletic I, Gurgan S. 2021. Microsc Res Tech. 2021;1–9. <a href="https://pubmed.ncbi.nlm.nih.gov/37111111/">Shear bond strengths of two newly marketed self-adhesive resin cements to different substrates: A light and scanning electron microscopy evaluation - PubMed (nih.gov)</a>
	G-CEM ONE performed as good as RelyX Universal when bonding to LiSi Block.
	<b>The combination G-CEM ONE &amp; LiSi Block resulted in high bond strength after 24-h storage period. This may help in producing clinical success.</b>