



# Evidence-based Dentistry Newsletter

GCI AG, July 2023

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# G-ænia Universal Injectable

Transform the way you work


Key Map	
	Strong
	Durable
	Aesthetic
	Time-saving
	Cost-efficient



# Table of contents

## Flexural and Wear Properties of Injectable Resin Composites.

Chen Y, Bai X, Loh Y, Wang C, Pow E, Tsoi J. 2022. IADR/APR 100<sup>th</sup> General Session. J Dent Res Vol 101 (Spec Iss B): 0376

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## Water sorption and colour stability of four injectable composite resins.

Bai X, Chen Y, Pow E, Tsoi J. 2022. IADR/APR 100<sup>th</sup> General Session. J Dent Res Vol 101 (Spec Iss B): 0898

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## Wear Simulation of Flowable and Low-viscosity Bulk-fill Resin Composites.

Barkmeier W, Tsujimoto A, Markham M, Takamizawa T, Miyazaki M, Latta M. 2019. IADR/AADR/CADR 97<sup>th</sup> General Session. J Dent Res Vol 98 (Spec Iss B): 3630

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## Injectable Resin Composite, Preliminary Clinical Report: 1 Year Follow-Up.

Carrabba M, Koken S, Ferrari Cagidiaco E, Ferrari M. 2019. IADR/AADR/CADR 97<sup>th</sup> General Session. J Dent Res Vol 98 (Spec Iss B):0604

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## Clinical Report of Class II Restorations Made Using an Injectable Resin Composite.

Corsetino G, Ferrari M. 2020. IADR/AADR/CADR General Session 98<sup>th</sup> General Session. J Dent Res Vol 99 (Spec Iss B):1383



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



# Abstracts

## G-ænial Universal Injectable

<b>TITLE</b>	<b>Flexural and Wear Properties of Injectable Resin Composites</b>
<b>REFERENCE</b>	Chen Y, Bai X, Loh Y, Wang C, Pow E, Tsoi J. 2022. IADR/APR 100 <sup>th</sup> General Session. J Dent Res Vol 101 (Spec Iss B): 0376 <a href="https://iadr.abstractarchives.com/abstract/22iaqs-3723319/flexural-and-wear-properties-of-injectable-resin-composites">https://iadr.abstractarchives.com/abstract/22iaqs-3723319/flexural-and-wear-properties-of-injectable-resin-composites</a>
 Flexural strength of GUI was higher compared to other products and not affected by water storage. Wear resistance was high and similar in all tested groups.	
 <b>Due to its technology, G-ænial Universal Injectable has excellent flexural strength and wear resistance. This may contribute to successful long-term results.</b>	



<b>TITLE</b>	<b>Water sorption and color stability of four injectable composite resins</b>
<b>REFERENCE</b>	Bai X, Chen Y, Pow E, Tsoi J. 2022. IADR/APR 100 <sup>th</sup> General Session. J Dent Res Vol 101 (Spec Iss B): 0898 <a href="https://iadr.abstractarchives.com/abstract/22iaqs-3720461/water-sorption-and-colour-change-of-four-injectable-composite-resins">https://iadr.abstractarchives.com/abstract/22iaqs-3720461/water-sorption-and-colour-change-of-four-injectable-composite-resins</a>
 GUI showed the lowest water sorption and water solubility. The highest color stability was found in GUI group.	
 <b>By lowering water sorption, G-ænial Universal Injectable’s formulation may help maintain aesthetics by reducing staining in clinical use.</b>	



<b>TITLE</b>	<b>Wear Simulation of Flowable and Low-viscosity Bulk-fill Resin Composites</b>
<b>REFERENCE</b>	Barkmeier W, Tsujimoto A, Markham M, Takamizawa T, Miyazaki M, Latta M. 2019. IADR/AADR/CADR 97 <sup>th</sup> General Session. J Dent Res Vol 98 (Spec Iss B): 3630 <a href="https://iadr.abstractarchives.com/abstract/19iaqs-3175428/wear-simulation-of-flowable-and-low-viscosity-bulk-fill-resin-composites">https://iadr.abstractarchives.com/abstract/19iaqs-3175428/wear-simulation-of-flowable-and-low-viscosity-bulk-fill-resin-composites</a>
 GUI showed the lowest volume loss and wear depth.	
 <b>Due to its formula, G-ænial Universal Injectable has excellent wear resistance. This may contribute to long-term results even under high masticatory forces.</b>	



# Abstracts

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TITLE	<b>Injectable Resin Composite, Preliminary Clinical Report: 1 Year Follow-Up.</b>
REFERENCE	Carrabba M, Koken S, Ferrari Cagidiaco E, Ferrari M. 2019. IADR/AADR/CADR 97 <sup>th</sup> General Session. J Dent Res Vol 98 (Spec Iss B):0604 <a href="https://iadr.abstractarchives.com/abstract/19iaqs-3183775/injectable-resin-composite-preliminary-clinical-report-1-year-follow-up">https://iadr.abstractarchives.com/abstract/19iaqs-3183775/injectable-resin-composite-preliminary-clinical-report-1-year-follow-up</a>
	After 1 year, GUI showed a very good and reliable clinical performance for Class II and V restorations, with success rate of 100%.
	<b>Clinical studies can prove if a dental material can work or not in patients. Therefore, the results presented here with 100% success rate are outstanding</b>

TITLE	<b>Clinical Report of Class II Restorations Made Using an Injectable Resin Composite</b>
REFERENCE	Corsetino G, Ferrari M. 2020. IADR/AADR/CADR General Session 98 <sup>th</sup> General Session. J Dent Res Vol 99 (Spec Iss B):1383 <a href="https://iadr.abstractarchives.com/abstract/20iaqs-3322298/clinical-report-of-class-ii-restorations-made-using-an-injectable-resin-composite">https://iadr.abstractarchives.com/abstract/20iaqs-3322298/clinical-report-of-class-ii-restorations-made-using-an-injectable-resin-composite</a>
	After 2- year follow – up, GUI showed a very good and reliable clinical performance for Class II restorations with 100% success rate.
	<b>Clinical studies can prove if a dental material can work or not in patients. Therefore, the results presented here with 100% success rate are outstanding.</b>