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NOVEMBER 2024



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GLASS IONOMERS

Riva Self Cure / HV

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Riva Protect

Riva Silver



SDF RIVA STAR

SDF Riva Star

SDF Riva Star Aqua



CEMENTS

Riva Luting

Riva Luting Plus

Riva Cem Automix



DR. VAIBHAV GARG

RIVA STAR AQUA - A NEXT GENERATION WATER BASED SOLUTION TO ARREST CARIES

Riva Star Aqua is an excellent addition to a clinician's tool kit. With appropriate training and education, it is a valuable option for preserving teeth in dentition for longer. Patients appreciate the opportunity of saving their teeth and having more time to work towards improved oral health.



YOUR SMILE.
OUR VISION.

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BULK FILL GLASS HYBRID RESTORATIVE SYSTEM

When dentine is missing, use Riva Self Cure to replace it. It is the best dental material available today that virtually mimics dentine. No adhesive is required, and sensitivity is non-existent.

RIVA SELF CURE/HV

BULK FILL GLASS HYBRID RESTORATIVE SYSTEM

- Contains SDI's proprietary ionglass™, a high ion releasing, radiopaque, bioactive glass that remineralises and prevents secondary caries formation
- Very high fluoride releasing and recharging ability
- Exceptional Handling; Non-sticky, non-slumping and sculptable formulation
- Easy Activation Capsule - 70% easier to activate
- Ideal materials for dentine replacement
- Radiopaque
- BPA & HEMA free



RIVA SELF CURE MRP \$264.85

THE MULTI AWARDED EASY HANDLING GLASS IONOMER

Riva Light Cure has excellent resistance to common stains such as black tea and red wine.

RIVA LIGHT CURE/HV

LIGHT CURED RESIN REINFORCED GLASS IONOMER RESTORATIVE MATERIAL

- Contains SDI's proprietary ionglass™, a high ion releasing, radiopaque, bioactive glass that remineralises and fights against secondary caries formation
- Exceptional handling; easy to sculpt and non-sticky - available in both regular and high viscosity
- Easy Activation Capsule - 70% easier to activate
- Long term wear resistance due to high surface hardness
- High flexural strengths
- BPA free



RIVA LIGHT CURE MRP \$295.78



— RIVA LIGHT CURE HV —



RIVA LUTING

- Chemically adheres to tooth structure and metal substrates
- Very low film thickness - flows easily between restoration and tooth
- Exceptional bond strengths
- BPA & HEMA free

RIVA LUTING MRP \$283.71



RIVA LUTING PLUS

- Chemically adheres to tooth and substrates
- Exceptional bond strengths
- High flexural strength - reduced cracking and failure in flexion

RIVA LUTING PLUS MRP \$302.73



RIVA PROTECT

- ACP nanotechnology - supercharges remineralisation
- Very high fluoride releasing and recharging ability to protect teeth from acid attacks

RIVA PROTECT MRP \$213.18



RIVA SILVER

MERCURY FREE, FLUORIDE RELEASING, SILVER RESTORATIVE

- Silver reinforced
- Ideal for abfraction lesion restorations
- Ideal for bulk filling
- No shrinkage

RIVA SILVER MRP \$469.32

RIVA CEM AUTOMIX

RESIN MODIFIED GLASS IONOMER LUTING CEMENT

SUPERIOR BOND, HIGH STRENGTH & LESS WASTE

- Superior bond (enamel & dentine)
- Highest flexural strength
- More tips / less tip waste
- The best long term aesthetics
- Light tack cure option
- Sustained fluoride release
- BPA free
- Shade: light yellow



SUPERIOR BOND STRENGTH



LIGHT TACK CURE FOR EASY REMOVAL OF EXCESS CEMENT



SUSTAINED FLUORIDE RELEASE



BPA FREE

RIVA CEM AUTOMIX SYRINGE KIT MRP \$114.35



Photos courtesy: Dr Yassine Harichane (FRANCE)



THE NEXT GENERATION SDF SYSTEM



RIVA STAR AQUA

Riva Star and Riva Star Aqua are non-invasive dental treatments that are quick and easy to administer, making them perfect for children, the elderly and other challenging patients.

Riva Star contains SDF. Riva Star Aqua contains AgF - the latest SDF innovation by SDI. Both have the same indications for use in respective countries. While these indications can differ by country, the WHO has provided the following SDF direction.

» The WHO recommended inclusion of glass ionomer cement and silver diamine fluoride preparations on the core list of essential medicine for the prevention and treatment of dental caries. «
Selection and use of essential medicines 2021 The World Health Organisation

RIVA STAR / RIVA STAR AQUA

BIOFILM & SENSITIVITY ELIMINATOR

- Aesthetically pleasing for the patient - reduced staining
- Immediate and long lasting dentinal hypersensitivity relief
- Non-invasive - suitable for MID
- Patented Technology
- Can increase the bond strength of GIC's

RIVA STAR BOTTLE KIT	MRP \$144.36
RIVA STAR CAPSULE KIT	MRP \$131.23
RIVA STAR AQUA BOTTLE KIT	MRP \$158.79
RIVA STAR AQUA CAPSULE KIT	MRP \$144.36



RIVA STAR AQUA

A NEXT GENERATION WATER BASED SOLUTION TO ARREST CARIES

CASE STUDY:

The presented case involves a 19 year old male who attended the practice for treatment. He had recently finished high school and began a part time job. Finances were an issue. However, he was motivated to improve his oral health and would like to maintain his teeth for the long term.

On examination there were several teeth with primary and secondary caries. 16 had an O restoration which was failing. Leaking margins and secondary caries were present.

Radiographs, pulp sensibility testing with cold, percussion and periodontal assessment were carried out. Tooth 16 was asymptomatic to all tests. Periodontal health was deemed to be good. Some gingival inflammation was noted.

A significant amount of time was spent discussing general prevention strategies through daily F- exposure, brushing and flossing techniques. Further reinforced with education on caries and periodontal disease processes.

16 was treatment planned and patient was offered a number of restorative options. Patient chose to manage caries and have restoration.

Treatment was carried out on 16 under local anaesthetic and rubber dam. Upon removal of previously placed restoration extent of secondary caries was greater than radiologically expected. Explained to patient the impact of this on the tooth and prognosis for restoration. Patient was provided with option of removal of as much caries as possible and application of 2 step Riva Star Aqua (Silver Fluoride and Potassium Iodide) as part of caries management process.

Patient was provided risks and benefits. Main benefit was the potential for arresting caries into the long term and preserving maximum tooth structure. 16 is a critical tooth for masticatory

function, occlusal scheme management and aesthetics. Main risks discussed were staining of tooth and possibility caries may not be completely arrested. Also explained initially there would be a temporary restoration overlying treated caries.

Patient was provided a consent form, discussed in detail any concerns. Patient noted the ability to arrest caries and preserve tooth was the main driver for going through with treatment. In particular due to his young age and needing to utilise this tooth for a significant amount of time into the future.

16 O caries was removed using slow speed round burs, Riva Star Aqua Step 1 (Silver Fluoride) applied (**Image 2**), rubbed in with microbrush until colour change noted on all aspects of dentine (**Image 3**), Riva Star Step 2 (Potassium Iodide) followed and application time was based on the white exudate (**Image 4**) being removed completely (approximately 2 minutes), colour change was noted after this step, RIVA SC was placed overlying the cavity. (**Image 5**)

The patient returned after 3 weeks for a review. Pulp sensibility testing with cold, percussion and periodontal assessment were carried out. Tooth 16 was asymptomatic to all tests. Periodontal health was deemed to be good. Gingival inflammation had also resolved. There was very minimal staining noted. The patient provided he was not aware of any major aesthetic changes to the tooth. Patient was quite happy with the treatment and pleased the tooth did not have any caries remaining in tooth.

Patient was again reviewed a week later and nil symptoms were noted. Patient remained pleased with treatment.

CONCLUSION:

Riva Star Aqua is an excellent addition to a clinician's tool kit. With appropriate training and education, it is a valuable option for preserving teeth in dentition for longer. Patients appreciate the opportunity of saving their teeth and having more time to work towards improved oral health.



ABOUT THE AUTHOR:



DR. VAIBHAV GARG

Dr. Garg has worked in Oral Health and Public Health since 2012. His career working in low-resource, rural, and remote settings in Australia and overseas has provided insight into the value of innovations for communities most in need of dental care.



Image 1 Tooth prior application of Riva Star Aqua Step 1



Image 2 Application of Riva Star Aqua Step 1 on page 2



Image 3 Post application of Riva Star Aqua Step 1 - Colour change is obvious with caries present.



Image 4 Riva Star Step 2 applied. White precipitate has turned clear.



Image 5 Application of Riva GIC



Image 5 Application of Riva GIC



Image 6 Completed restoration



Image 6 Completed restoration