



RIVA STAR RIVA STAR AQUA

THE NEXT GENERATION
SDF SYSTEM

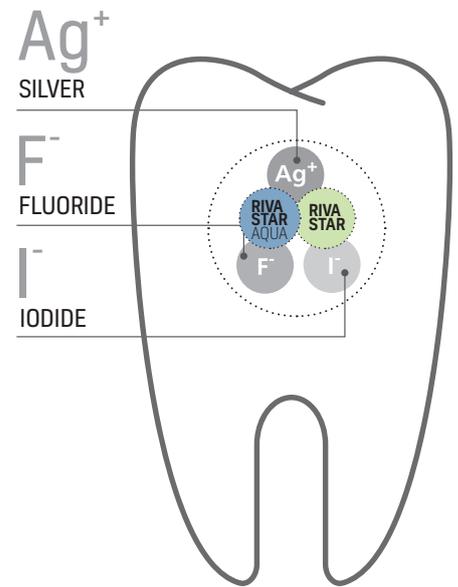


WHY SDF USE IS GROWING AROUND THE WORLD

SDF has a proven clinical history of treating dentine hypersensitivity for over 50 years.

HOW DOES SDF WORK?¹

- SILVER** ●●●► Silver compounds are used as an anti microbial agent in dentistry for more than a century.
- FLUORIDE** ●●●► Works as a bacteriostatic effect to prevent the further demineralisation of tooth structure.
- IODIDE** ●●●► Potassium Iodide used in conjunction with SDF provides a powerful antimicrobial effect as well as reducing potential staining of teeth.



SDF treatment is quicker and easier compared to invasive treatment methods.

SDF treatment delivers Minimal Intervention Dentistry that adopts the philosophy of integrating prevention, remineralisation and less invasive procedures.

	SDF: Minimal invasive dentistry	Invasive treatments
Quick and efficient	✓	—
Easy and simple to use	✓	—
Cost effective intervention	✓	—
Hand excavation possible	✓	—
No anaesthesia required	✓	—
No drilling required	✓	—
No restoration required	✓	—
No polishing required	✓	—
No post procedure sensitivity	✓	—

¹Ngo Hien Clinical summery : Uses of Silver Diammine Fluoride(SDF)

SDF INNOVATION: RIVA STAR



Drawing on 50+ years of dental research experience and proudly developed in SDI's state of the art manufacturing facility in Australia, Riva Star is a silver diamine fluoride solution system used to desensitise tooth pain immediately.

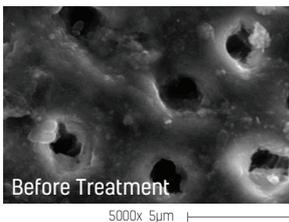
This next generation SDF treatment delivers Minimal Intervention Dentistry that adopts the philosophy of integrating prevention, remineralisation and minimal intervention.



RIVA STAR KEY BENEFITS

1 A PROVEN SDF SOLUTION
Clinical studies have shown that a 38% SDF solution can successfully desensitise tooth pain immediately². Riva Star SDF solution contains 38% Silver Fluoride

2 IMMEDIATE SENSITIVITY RELIEF
The silver fluoride and potassium iodide in Riva Star blocks the microscopic tubules that make up dentine. A low-solubility precipitate is formed that gives instant relief.



Exposed dentinal tubules are well known for causing dentine hypersensitivity.



Insoluble silver iodide precipitates occluding dentinal tubules, immediately eliminating sensitivity.

Images courtesy of Dr. Geoff Knight

3 TWO YEARS DESENSITISING EFFECT
A clinical study supports the immediate effect after one application with Riva Star, desensitisation lasts for 2 years.²

4 REDUCE STAINING
Unlike other silver fluoride systems, the Riva Star two step procedure minimises the risk of staining. By applying the potassium iodide solution (KI) over the silver diamine fluoride (SDF), a silver iodide creamy white precipitate is formed which then turns clear.



Treatment with SDF alone, resulting in areas of staining



7 days post treatment for sensitivity with Riva Star (SDF + KI)

Image courtesy of Dr. Julia Barros and Dr. Leticia Vieira - Brazil

² Clinical evaluation of a diamine silver fluoride/potassium iodide as a dentine desensitizing agent: 2-year follow up. Craig G G - 2014.

NEXT GENERATION SDF: RIVA STAR AQUA



SDI continues to innovate SDF solutions by releasing Riva Star Aqua, a next generation water based silver fluoride solution that is also a non-invasive 2 step patented system used to desensitise tooth pain in a few drops.

Riva Star Aqua is an aqueous silver fluoride solution without the Ammonia base.



RIVA STAR AQUA KEY BENEFITS

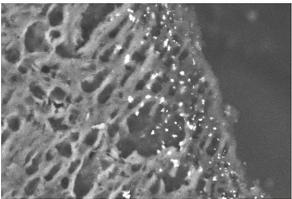
- 1 CLINICAL MATCH TO SDF**
Clinical studies have shown that Riva Star Aqua's 38% Silver Fluoride [AgF] is as effective as Riva Star SDF solution containing 38% Silver Fluoride.³
- 2 IMMEDIATE SENSITIVITY RELIEF**
The silver fluoride and potassium iodide in Riva Star Aqua blocks the microscopic tubules that make up dentine. A low-solubility precipitate is formed that gives instant relief.


Image shows the reaction of AgF and KI to AgI in the first 50 microns below the surface.
Image courtesy of Dr. Geoff Knight
- 3 REDUCE STAINING**
Just like Riva Star, Riva Star Aqua includes a Potassium Iodide [KI] Step 2 solution, for significantly reducing unsightly black stains.
- 4 TWO YEARS DESENSITISING EFFECT**
A clinical study supports the immediate effect after one application with Riva Star, desensitisation lasts for 2 years.²
- 5 NO TISSUE BURN RISK**
Riva Star Aqua is water based and ammonia free. This reduces soft tissue irritation and eliminates odours while improving storage stability.
- 6 NO GINGIVAL BARRIER REQUIRED**
With no ammonia present, Riva Star Aqua can be safely used without a gingival barrier as soft tissue irritation is significantly reduced. Treatment time is quicker and more comfortable on patients.
- 7 IMPROVED SMELL**
The ammonia free solution tastes and smells better, leading to happier, more compliant patients.

² Clinical evaluation of a diamine silver fluoride/potassium iodide as a dentine desensitizing agent: 2-year follow up. Craig G G - 2014.

³ Turton B, Horn R, Durward C. Caries arrest and lesion appearance using two different silver fluoride therapies on primary teeth with and without potassium iodide: 12 month results. Clin Exp Dent res 2020;1-11

PRODUCT COMPARISON



RIVA STAR Silver Diamine Fluoride (SDF)

RIVA STAR AQUA Silver Fluoride (AgF)

Indications	USA	<ul style="list-style-type: none"> - Treatment of dentinal hypersensitivity. - For use in adults over the age of 21. 	<ul style="list-style-type: none"> - Treatment of dentinal hypersensitivity. - For use in adults over the age of 21.
	BRAZIL LATIN AMERICA	<ul style="list-style-type: none"> - Desensitising cervical tooth hypersensitivity. - Arresting caries - Detecting caries 	<ul style="list-style-type: none"> - Desensitising cervical tooth hypersensitivity. - Arresting caries - Detecting caries
	AUSTRALIA EUROPE	<ul style="list-style-type: none"> - Desensitising cervical tooth hypersensitivity. 	<ul style="list-style-type: none"> - Desensitising cervical tooth hypersensitivity.
Process		2 step patented process	2 step patented process
Formulation		<p>Step 1 : 38% Silver Fluoride in an ammonia solution (SDF). Higher pH levels</p> <p>Step 2 : Potassium Iodide solution</p>	<p>Step 1 : ≈38% Silver Fluoride (AgF) in water. Physiological pH levels</p> <p>Step 2 : Potassium Iodide solution</p>
Active ingredients		<p>Step 1 : Silver / Fluoride / Ammonia</p> <p>Step 2 : Potassium Iodide</p>	<p>Step 1 : Silver / Fluoride / Water</p> <p>Step 2 : Potassium Iodide</p>
Two years and beyond desensitising effect		✓	✓
Staining reduction / elimination		✓	✓
Storage requirements		<p>Bottles : Room temperature</p> <p>Capsules : Refrigerated</p>	✓ Room temperature
Soft tissue irritation		Mild discomfort	✓ No discomfort
Odour / Taste		Slight Ammonia taste and odour	✓ No Ammonia taste and odour
Non-invasive / MID (Minimally Invasive Dentistry)		✓	✓

² Clinical evaluation of a diamine silver fluoride/potassium iodide as a dentine desensitizing agent: 2-year follow up. Craig G G - 2014.

³ Turton B, Horn R, Durward C. Caries arrest and lesion appearance using two different silver fluoride therapies on primary teeth with and without potassium iodide : 12 month results. Clin Exp Dent res 2020;1-11

ORDER DETAILS



RIVA STAR

Riva Star Kit

10 x Riva Star Step 1 Silver Capsules
10 x Riva Star Step 2 Green Capsules
2 x 1mL Gingival Barrier syringes
Accessories

BRAZIL/LATIN AMERICA	8800502
USA	8800504
EUROPE	8800505
AUSTRALIA	8800507



RIVA STAR AQUA

Riva Star Aqua Kit

10 x Riva Star Aqua Step 1 Silver-Blue Capsules
10 x Riva Star Step 2 Green Capsules
Accessories

BRAZIL/LATIN AMERICA	8800528
USA	8800527
EUROPE	8800525
AUSTRALIA	8800526



RIVA STAR

Riva Star Bottle Kit

1 x 1.5mL Riva Star Step 1 Bottle
1 x 3.0mL Riva Star Step 2 Bottle

BRAZIL/LATIN AMERICA	8800538
USA	8800537
EUROPE	8800535
AUSTRALIA	8800536



RIVA STAR AQUA

Riva Star Aqua Bottle Kit

1 x 1.5mL Riva Star Aqua Step 1 Bottle
1 x 3.0mL Riva Star Step 2 Bottle

BRAZIL/LATIN AMERICA	8800533
USA	8800532
EUROPE	8800530
AUSTRALIA	8800531



YOUR SMILE. OUR VISION.



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