



Ion releasing treatment paste PRG Pro-Care Gel α

Official partner



Smart Prevention

Smart Prevention is a new preventive concept that applies S-PRG filler, which is different from the conventional fluoride-based preventive treatment advocated by Shofu.



Treatment paste with S-PRG filler has appeared in preventive care

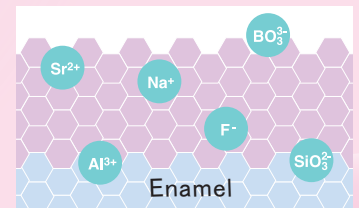
What is S-PRG filler?

S-PRG is a bioactive filler originally developed by Shofu. It releases 6 types of ions, and it has the ability to neutralize acid and suppress enamel decalcification in addition to prevent plaque formation.

What is S-PRG concept?

It releases multi-ions (6 types of ions including fluoride) of pico size^{*1}. The evidence is reported in many papers.

*1 1 picometer = 1/1000 nanometer.
Various types of ions are approximately 100 picometers in size.

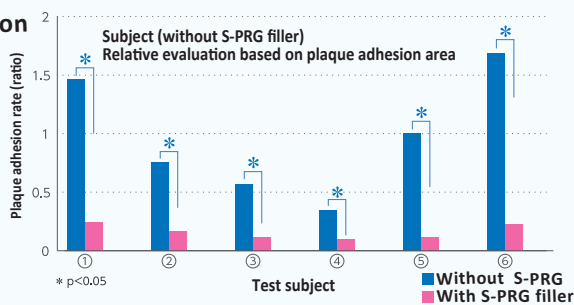


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Features of S-PRG Filler

S-PRG technology is supported by a lot of reported evidences

Supress plaque adhesion

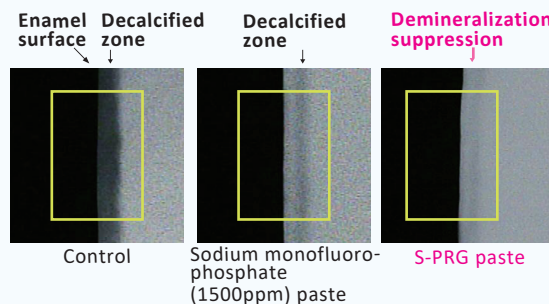


Oral cavity is cleaned using paste containing S-PRG and left for 48 hours. The results show that the plaque adhesion rate is low even after 48 hours.

There were 6 subjects, and each experiment was conducted on the same patient. After PMTC, the oral cavity was cleaned with a paste containing no S-PRG filler, and 48 hours later, it was dyed and plaque adhesion was measured. After completely removing the dyed part, the oral cavity was cleaned with a paste containing S-PRG filler, and 48 hours later, it was dyed and plaque adhesion was measured. The plaque adhesion rates of the S-PRG containing and non-S-PRG containing pastes were compared for each subject.

Reference: Professor Satoshi Fukumoto, Graduate School of Dentistry, Tohoku University "Evaluation of S-PRG filler as an abrasive"

Demineralization suppression



It has been reported that the paste containing S-PRG filler suppresses the decalcification of enamel compared to the paste containing 1500 ppm fluoride.

Test method: After 7 days pH cycling test using a paste containing S-PRG filler, the amount of demineralized enamel was evaluated by the TMR method.


Reference: Department of Comprehensive Dentistry, University of Texas, Health Science Center at San Antonio "Journal of Investigative and Clinical dentistry" 2017: 8(4)

SHOFU categorizes the product group containing the original technology S-PRG filler as "Giomer". Click here for the special site ▶




It can be used at all life stages


Since the abrasive power is suppressed, it can be used for young permanent teeth, tooth surfaces immediately after whitening, and exposed root surfaces.




Childhood



During or immediately after the eruption / Young permanent teeth




Adolescence ~ Adulthood




Orthodontics (unclean areas)


Use a brush around the bracket Example



Middle Adulthood ~ Aged




Whitening



Gingival recession / Root surfaces


How to use

Polishing / Cleaning



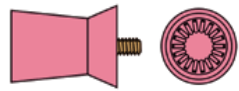
Clean with tooth surface cleaner or MERSSAGE paste*1

Treatment



*1 Clean according to the degree of staining or plaque adhesion of tooth

Recommended



Soft rubber cup, brush
 * MERSSAGE Brush Soft, MERSSAGE Cup No.14P (screw type) No.4P (CA type) is recommended.
 Recommended rotation speed: 1,000 min⁻¹

Brand name

Brand name	General name	Notification number
PRG Pro-Care Gel α	Tooth surface abrasive	General medical equipment Medical device notification number 26B1X00004000283

Related products

General medical device notification number
26B1X00004000147



Dental Oral Cleaning Kit
MERSSAGE 1 bottle 40g
Regular (coarse grain, mint)
Fine (fine grain, lemon)

General medical device notification number
26B1X00004000147



Dental Oral Cleaning Kit
MERSSAGE (cup) 1 box each 36 pieces
Reuse prohibited
Maximum allowable rotation speed:
2,000min⁻¹

Screw type

CA type

General medical device notification number
26B1X00004000147



Dental Oral Cleaning Kit
MERSSAGE (brush soft) 36 pieces per box
Reuse prohibited
Maximum allowable rotation speed:
2,000min⁻¹

Screw type

CA type

Packaging



PRG Pro-Care Gel α
Volume: 80g
Flavor: Lime mint