

# 大学院特別講義

## 医歯学先端研究特論

Special Lecture of Advanced Medical and Dental Study

(生命理工学先端研究特論) (医歯理工学先端研究特論)

### **Bio-active material “Giomer” developed by filler technology (S-PRG filler): Our hope is to maintain healthy oral condition and prolong tooth life**

S-PRG (Surface Pre-Reacted Glass-ionomer) filler based on SHOFU's own technology is a three-layer bioactive material and releases 6 kinds of ions (fluoride, sodium, strontium, aluminum, silicate, and borate). Many researchers around the world found that S-PRG filler has been shown to inhibit plaque formation, strengthen tooth structure, possess remarkable acid neutralization capabilities etc. SHOFU applied S-PRG filler into various dental fields such as resin composite, bonding material, cement, tooth surface coating material, and sealant. And these products are called “Giomer” which is a collective term for dental materials which incorporate S-PRG filler therein.

In this lecture, we will introduce the nature of Giomer, the scientific evidences reported by universities and our vision for the future including the history of bioactive materials. We will also conduct hands-on experiments to familiarize S-PRG filler and Giomer products.

**Dr. Masahiko Tokushige**



Marketing department  
Shofu Inc

February 21st, 2018 15:00-

at Demonstration room

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