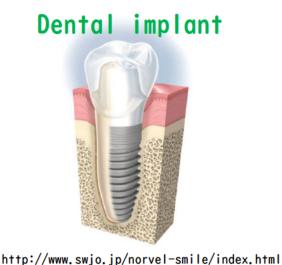
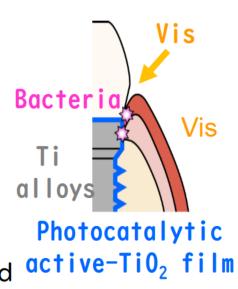
Development of antibacterial and antivirus surface on implants via visible-light irradiation

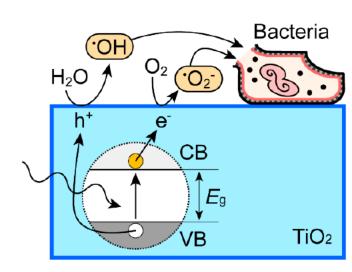
Department of Materials Processing, Biomedical materials Laboratory OAssociate Prof. K. Ueda ueda@material.tohoku.ac.jp 022-795-7295 https://narushimalab-material-tohoku.jp/

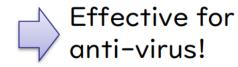


Bacterial infection caused by bacteria adhering to the dental implants



Anti-bacterial activity of photocatalytic TiO₂





In this lecture, the students develop photocatalytic TiO₂ films on Ti substrates with excellent antibacterial activity by sol-gel process. Through the process from preparation to analysis and evaluations, you can enjoy and experience your interest in manufacturing.

First lecture: Tuesday, 3rd Oct., 16:30~ @Mater. Sci. Eng. Building, 407