

S - 14

Prevention of sports related oral injuries using custom-made mouthguards and human protective mechanism



Yoshinobu Maeda, DDS, PhD

(Professor and Division head Division for Interdisciplinary Dentistry Osaka University Faculty of Dentistry)

Undergraduate dental education: Osaka University of Faculty of Dentistry (1971-1977)

Postgraduate and prosthodontic training (1977-1981)

Ph.D. (1981)

Osaka University of Faculty of Dentistry

Sports related traumatic dental injuries can be prevented or reduced by the use of properly fabricated and fitted custom-made mouthguards. Not every athlete, however, are still willing to use mouthguard by complaining the discomfort and difficulty in speech and breathing. Properly designed and fabricated custom-made mouthguards can solve those problems. In this presentation, solutions for those problems will be discussed for existing mouthguard materials and fabricating method.

On the other hand, we have to develop the better means of protection for the traumatic

sports injuries. Regarding this issue, I also would like to discuss the background for developing new mouthguard materials that will enhance the self-protecting mechanism of human structure.