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- 005 Preface *Misao Kawara*

Review Articles

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- 007 Do Intraoral Mouthguards Work? *Marwan Al Rayes, Loren R. Arenson, Devandra Chudasama, Dan Siracusa, Alice Wu*
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- 019 Sports Related Dental Trauma and Guidelines for Mouthguard Design and Construction *Brett Dorney*
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- 025 Effects of Exercise on Salivary Flow Rate and Buffering Capacity in Healthy Female and Male Volunteers *Shiho Nakano, Takuto Yamanaka, Toshiyuki Takahashi, Yukako Toyoshima, Takashi Kawahara, Toshiaki Ueno*
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- 033 Masticatory Muscle Activities during Snatch Weightlifting *Takashi Asano, Misao Kawara, Hiroshi Suzuki, Osamu Komiyama, Takashi Iida, Hiroshi Aono, Kenji Nanba, Hirokuni Okamoto, Toshikazu Kuroki*
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- 041 Effects of Wearing a Custom-made Mouthguard on Sports Performance *Yoshinobu Iwagami, Reiko Ishida, Yoshihisa Watanabe, Takeshi Hamachi, Takeshi Wada, Shigeyuki Fujita*
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- 057 The Incidence of Oral Injury Before and After Wearing Mouthguards in Rugby *Hiroshi Suzuki, Hiroshi Aono, Toshikazu Kuroki, Osamu Komiyama, Takashi Asano, Takashi Iida, Misao Kawara*
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- 062 Shock Absorption Characteristics of Commercial Custom-made Sports Mouthguard Materials *Tetsuya Takamata, Kozaburo Hashii, Takako Yamaki, Hisaya Numao, Yumiko Kato, Yoshiyuki Okada, Masaaki Anzai, Masahito Shoumura*
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- 072 Prevention of Oral Injuries by Mouthguards in Sports Requiring Verbal Communication –A Questionnaire Survey to Players Selected for the All Japan High School Baseball Team in the Last Five Years– *Kazushi Yoshikawa, Osamu Takeuchi, Hiroaki Tanimoto, Naohiro Iwata, Yoshinori Hatsuoka, Takatsugu Asai, Kazuya Takahashi, Kazutoshi Kakimoto, Rie Iwai, Satoshi Kinoshita, Joji Okazaki, Kazuyo Yamamoto, Shosuke Morita, Takashi Ikeo, Yutaka Komasa*
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- 079 Modification of a Custom-made Mouthguard for Prevention of Injury in Sports Athletes with Malocclusion *Hiroshi Suzuki, Sakae Ishikawa, Hiroshi Aono, Jun Ueda, Tomomi Harashima, Hilton Chiba, Alenio C Mathias, Misao Kawara*