

FADAS/JDSA Joint Symposium 1

October 11, Sun, 9 : 00-10 : 00, in Room 812

Redefining Anesthesia Safety : Interdisciplinary Strategies and Crisis Management

Chairperson : Kanta KIDO (Hokkaido University, Japan)

Kentaro MIZUTA (Tohoku University, Japan)

Speakers :

Redefining Safety in Dental Anesthesia : Beyond Individual Expertise

Seung-Hwa RYOO (Department of Dental Anesthesiology, School of Dentistry, Seoul National University, Seoul, Republic of Korea)

Building a Safety Culture in Dental Outpatient Anesthesia :

Lessons from Incident Analysis and Crew Resource Management

Hitoshi HIGUCHI (Department of Dental Anesthesiology, Medical Development Field, Okayama University, Okayama, Japan)

The Importance of Dental Anesthesiology Education in Managing Medical Emergencies in Dental Patients

Naotaka KISHIMOTO (Division of Dental Anesthesiology, Graduate School of Medicine, Dentistry and Health Sciences, Niigata University, Niigata, Japan)

FADAS/JDSA Joint Symposium 2

October 11, Sun, 10 : 05-11 : 05, in Room 812

Anesthetic Management Facilitating Special Needs Dentistry :

International Comparison and Clinical Practice

Chairperson : Hiroshi HANAMOTO (Hiroshima University, Japan)

Kentaro MIZUTA (Tohoku University, Japan)

Speakers :

Anesthetic Management for Patients with Disabilities :

International Comparison of Hospital Systems and Clinical Practice

Seungoh KIM (Department of Dental Anesthesiology, College of Dentistry, Dankook University, Cheonan, Republic of Korea)

Intravenous Sedation for Dental Care for Persons with Disabilities in Japan :

Current Practice, Challenges, and Future Roles of Dental Anesthesiologists

Kana OUE (Department of Dental Anesthesiology, Hiroshima University Hospital, Hiroshima, Japan)

Perioperative Management for Dental Treatment of Disabled Patients for General Anesthesia

Hiroshi HOSHIJIMA (Division of Dento-oral Anesthesiology, Tohoku University Graduate School of Dentistry, Sendai, Japan)

FADAS Poster 1 / Airway Management & Monitoring Technologies

October 10, Sat, 16 : 30-17 : 30, in Room 804

Chairperson : Keiko ABE (Tsurumi University, Japan)

Teppei SAGO (Kyushu Dental University, Japan)

FP1-01 Recurrent laryngeal nerve paralysis after prolonged neck dissection under general anesthesia with endotracheal intubation : a case report

1) Division of Dental Anesthesiology, Niigata University Medical and Dental Hospital, Niigata, Japan

2) Department of Anatomy, Teikyo University School of Medicine, Tokyo, Japan

3) Division of Dental Anesthesiology, Faculty of Dentistry & Graduate School of Medical and Dental Sciences, Niigata University, Niigata, Japan

4) Division of Oral Management Clinic for Medical Cooperation, Niigata University Medical and Dental Hospital, Niigata, Japan

5) Division of Dental Anesthesiology, Faculty of Dentistry & Graduate School of Medicine, Dentistry and Health Sciences, Niigata University, Niigata, Japan

○Toru YAMAMOTO¹⁾, Takutoshi INOUE²⁾, Yoshiki MIYAKAWA³⁾, Hiroko KANEMARU⁴⁾, Emi SAWADA¹⁾, Tomoaki UJITA¹⁾, Shigenobu KURATA⁵⁾, Yutaka TANAKA¹⁾, Naotaka KISHIMOTO⁵⁾

FP1-02 Comparative evaluation of a new flexible laryngeal mask airway in dental procedures

1) Department of Dentistry, Morinomiya Hospital

2) Department of Dentistry, Bobath Memorial Hospital

3) Department of Dental Anesthesiology, Graduate School of Dentistry, The University of Osaka

○Yoshinao ASAH¹⁾, Shiro OMICHI²⁾, Yukimi MIYAMOTO²⁾, Izuka HAYASHI¹⁾, Chiaki KATO¹⁾, Yuka SUGIMOTO²⁾, Miho HYODO¹⁾, Yoshito TAKASAKI¹⁾, Chiho KUDO³⁾

FP1-03 The effects of upper airway patency during intravenous sedation on the stress responses and tissue perfusion

1) Department of Dental Anesthesiology, Kanagawa Dental University

2) Department of Dental Anesthesiology, Kanagawa Dental University Hospital

○Misaki FUJIMOTO¹⁾, Saki TATSUTA¹⁾, Dairi IWAI²⁾, Uno IMAIZUMI¹⁾, Hidetaka KURODA¹⁾, Ryo WAKITA¹⁾

- FP1-04** Detection of airway obstruction patterns in healthy volunteers using non-directional piezoelectric vibration sensors
- 1) Division of Dental Anesthesiology, Department of Diagnostic and Therapeutic Sciences, Meikai University School of Dentistry
 2) DreaME Lab & Co.
 3) Department of Computer and Network Engineering, Graduate School of Information Sciences, Hiroshima City University
 ○Saori TAKAGI¹⁾, Takashi ISHIGURO²⁾, Tetsuo HIRONAKA³⁾, Yuka OONO¹⁾, Hikaru KOHASE¹⁾
- FP1-05** Feasibility of noncontact respiratory and heart rate monitoring using a millimeter-wave sensor in a dental setting : a preliminary evaluation
- 1) Department of Dental Anesthesiology, Graduate School of Biomedical and Health Sciences, Hiroshima University
 2) Department of Dental Anesthesiology, Graduate School of Dentistry, The University of Osaka
 3) Wireless Fundamental Technology Laboratory, Advanced Technology Research Institute, Corporate R&D Group, Kyocera Corporation
 4) Department of Dental Anesthesiology, Division of Oral and Maxillofacial Surgery and Oral Medicine, Hiroshima University Hospital
 ○Maho SUYAMA¹⁾, Fumi KOZU²⁾, Jun KURODA³⁾, Tatsuo TOBA³⁾, Tomoyuki NAKASHA³⁾, Miho MOTEGI³⁾, Kana OUE⁴⁾, Mitsuru DOI¹⁾, Yoshitaka SHIMIZU¹⁾, Hiroshi HANAMOTO¹⁾
- FP1-06** Effects of nail art on pulse oximetry measurements and evaluation of alternative probe placement methods
- 1) Department of Dental Anesthesiology, Graduate School of Dentistry, The University of Osaka, Osaka, Japan
 2) Department of Oral Health Sciences, Otemae College, Nishinomiya, Hyogo, Japan
 ○Yuki IGARASHI¹⁾, Hiroharu MAEGAWA¹⁾, Akiyo KAWANO²⁾, Chizuko YOKOE¹⁾, Chiho KUDO¹⁾

FADAS Poster 2 / Intravenous Sedation, Workflows & Database Analysis

October 10, Sat, 16 : 30-17 : 20, in Room 804

Chairperson : Mitsuhiro YOSHIDA (Health Sciences University of Hokkaido, Japan)

Hitoshi HIGUCHI (Okayama University, Japan)

FP2-01 The estimated proportion of dental general anesthesia handled by dental anesthesiologists is 30% : an analysis using the NDB open data

1) Japan Air Self-Defense Force

2) Japan Ground Self-Defense Force

3) Japan Maritime Self-Defense Force

○Takayuki AMINO¹⁾, Takuma SAITO²⁾, Naotaro NAKAMURA²⁾, Natsuki KOBAYASHI²⁾,
Ryohei OKAZAWA³⁾, Manabu MIKI³⁾, Takeshi OHNO²⁾, Mutsumi NONAKA²⁾,
Kentaro OUCHI²⁾

FP2-02 Nationwide trends in intravenous sedative and analgesic drug use in Korean dental institutions : a big data analysis using the Narcotics Information Management System from 2020 to 2024

1) Seoul National University Dental Hospital

2) Seoul National University

○Kwang-Suk SEO¹⁾, Kyeong Jun CHEON²⁾, Seung-Hwa RYOO¹⁾, Myong-Hwan KARM¹⁾,
Hyun Jeong KIM¹⁾

FP2-03 Sedation workflow in a local dental clinic setting : a single-center experience with over 12,000 cases

Cheongju Seoul Good Dental Hospital

○Yongkwon LEE, Daewoo KIM, Kyeongjun CHUN

FP2-04 Intravenous labetalol for transient hypertension during dental intravenous sedation

1) Seoul Yido Dental Office

2) Cheongju Seoul Good Dental Hospital

○Sungmin KO¹⁾, Daewoo KIM²⁾, Kyeongjun CHUN²⁾, Yongkwon LEE²⁾

FP2-05 Management of intravenous sedation in a patient under police custody : a case report from a dental hospital in Japan

Department of Anesthesiology and Perioperative Medicine, Nihon University School of Dentistry

○Mie KAJIWARA, Takashi HITOSUGI

FADAS Poster 3 / Basic Research & Pharmacology

October 10, Sat, 16 : 30-17 : 30, in Room 804

Chairperson : Kanta KIDO (Hokkaido University, Japan)

Ryo WAKITA (Kanagawa Dental University, Japan)

FP3-01 AMY₁ receptor antagonist attenuated mechanical allodynia in infraorbital nerve ligated rats

Dental Anesthesiology, The Osaka University Graduate School of Dentistry

○Hiroharu MAEGAWA, Wakana ODA, Chiho KUDO

FP3-02 Desflurane effects on unitary inhibitory postsynaptic currents in rat insular cortex

1) Department of Anesthesiology and Perioperative Medicine, Nihon University School of Dentistry

2) Department of Pharmacology, Nihon University School of Dentistry

○Yuko KOYANAGI¹⁾, Masayuki KOBAYASHI²⁾, Keisuke KANEKO¹⁾, Eiko YOKOTA¹⁾,
Mie KAJIWARA¹⁾, Ryoko KURISU¹⁾, Takashi HITOSUGI¹⁾

FP3-03 Basic investigation of the peripheral vascular effects of remimazolam : Isometric tension measurements using rabbit superior mesenteric arteries

1) Department of Dental Anesthesiology, Nagasaki University Hospital

2) Department of Oral Physiology, Kanagawa Dental University

3) Department of Pharmacology, Kanagawa Dental University

4) Department of Dental Anesthesiology, Kanagawa Dental University

5) Department of Dental Anesthesiology, Nagasaki University

○Shota TSUKIMOTO¹⁾, Satoko WADA-TAKAHASHI²⁾, Shun-suke TAKAHASHI³⁾,
Uno IMAIZUMI⁴⁾, Hidetaka KURODA⁴⁾, Ryo WAKITA⁴⁾, Takuro SANUKI⁵⁾

FP3-04 Optimization of propofol-encapsulated liposomes for enhanced bioavailability

1) Department of Dental Anesthesiology, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo

2) Department of Dental Anesthesiology and Special Care Dentistry, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences

3) Department of Dental Anesthesiology, Okayama University Hospital

4) Department of Dental Anesthesiology and Special Care Dentistry, Faculty of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University

5) Department of Dental Anesthesiology, Medical Development Field, Okayama University

○Yukiko NISHIOKA^{1,2)}, Hitomi UJITA³⁾, Kaho NODA²⁾, Saki MIYAKE⁴⁾, Hitoshi HIGUCHI⁵⁾,
Shigeru MAEDA¹⁾, Takuya MIYAWAKI⁴⁾

FP3-05 Development of remimazolam-encapsulated liposomes : second report

- 1) Department of Dental Anesthesiology, Okayama University Hospital
 - 2) Department of Dental Anesthesiology and Special Care Dentistry, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences
 - 3) Department of Dental Anesthesiology, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo
 - 4) Department of Dental Anesthesiology and Special Care Dentistry, Faculty of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University
 - 5) Department of Dental Anesthesiology, Medical Development Field, Okayama University
- Hitomi UJITA¹⁾, Kaho NODA²⁾, Yukiko NISHIOKA^{2,3)}, Riko SATO¹⁾, Saki MIYAKE⁴⁾, Hitoshi HIGUCHI⁵⁾, Takuya MIYAWAKI⁴⁾

FP3-06 Remimazolam in contemporary clinical research : a bibliometric analysis with emerging implications for dentistry

Department of Advanced General Dentistry, Yonsei University College of Dentistry
○Gyeongjin BAE, Yiseul CHOI, Wonse PARK

FADAS Poster 4 / General Anesthesia, Perioperative Management & Complications

October 10, Sat, 16 : 30-17 : 20, in Room 804

Chairperson : Shinji KAWAHITO (Tokushima University, Japan)
Makiko SHIBUYA (Hokkaido University, Japan)

FP4-01 Procedural time of pediatric general anesthesia and postoperative fever, swelling, redness, sore throat, agitation, shivering, and nausea

Department of Dental Anesthesia, Ohu University Dental Hospital, Fukushima, Japan
○Shinya YAMAZAKI, Sonoka TAKEUCHI, Atsumi IGARASHI, Keiichiro WAKAMATSU, Hikaru SATO, Shota ABE, Kenji YOSHIDA, Hiroyoshi KAWAAI

FP4-02 Perioperative management of patient with giant facial tumor and severely compromised general condition

- 1) Department of Dental Anesthesiology, Graduate School of Biomedical and Health Sciences, Hiroshima University
 - 2) Department of Dental Anesthesiology, Division of Oral and Maxillofacial Surgery and Oral Medicine, Hiroshima University Hospital
- Kaho OHARA¹⁾, Kana OUE²⁾, Eiji IMADO²⁾, Hisanobu KAMIO²⁾, Yoshitaka SHIMIZU¹⁾, Maho SUYAMA¹⁾, Taro KIKUCHI¹⁾, Yoshino NISHIMURA²⁾, Yoshinari MYOKEN²⁾, Hiroshi HANAMOTO¹⁾

FP4-03 Analysis of bleeding-related factors in orthognathic surgery under total intravenous anesthesia

Tokyo Dental College Anesthesiology

○Masanari NAKAZAWA, Saki SUGATA, Kaori KOTANI, Wataru HASHIMOTO,
Moeko SUZUKI, Tomoka SHINODA, Momoka NISHINO, Ruri TSUYA,
Kyotarou KOSHIKA, Tatsuya ICHINOHE, Nobuyuki MATSUURA

FP4-04 Postoperative acute kidney injury following massive intraoperative blood loss during resection of a giant mandibular ameloblastoma : Importance of perioperative fluid balance and blood pressure management

1) Department of Dental Anesthesiology, Institute of Science Tokyo Hospital, Tokyo, Japan

2) Department of Dental Anesthesiology, Graduate School of Medical and Dental Sciences,
Institute of Science Tokyo, Tokyo, Japan

○Mayuko FUKUSHIMA¹⁾, Sayaka ASANO¹⁾, Hikari TOMINAGA²⁾, Nozomi UTSUMI¹⁾,
Risa KAJIWARA¹⁾, Aya YAHISA¹⁾, Yukiko NISHIOKA²⁾, Aki KAWAUCHI²⁾, Takaya ITO²⁾,
Shigeru MAEDA²⁾

FP4-05 Correlation between the expiratory air temperature and core body temperature under intratracheal intubation

Department of Dental Anesthesia, Ohu University Dental Hospital

○Shota ABE, Masaki OHTA, Keyaki MAEDA, Keiichiro WAKAMATSU, Hikaru SATO,
Kenji YOSHIDA, Shinya YAMAZAKI, Hiroyoshi KAWAAI