

Ohu University Dental Journal

Volume 38 (No.1 ~ 4)

2011

CONTENTS

Number 1

Original Articles

- Influence of Irradiation Conditions on Deformation
of Pure Titanium Frames in Laser Welding
..... J. IKEYAMA ... 1
- Tissue Responses to CO₂ Laser in Coagulation Mode
— with Reference to the Effect of Irradiation Parameters on the Severity of Necrosis
and the Subsequent Tissue Recovery —
..... K. TAMAMURA, N. OKUYAMA-ISHIZAKA, Y. SAKURAI and H. ITO ... 9

Education

- Research on Casting Practice in Biomaterials and
Dental Materials Training Class in 2009
— Fitness and Casting Defects of Casts Produced by Students —
..... H. OKADA, Y. ISHIDA, I. RYUKATA
I. KAWASHIMA and K. KOISO ... 21

Short Communication

- A Case of Radical Treatment for Oral Squamous Cell Carcinoma
in an Oldest Old Patient
..... I. KAWAHARA, T. HAMADA, H. KON, T. SASAKI
S. TAKADA, T. OHNO, H. KAWAAI and S. YAMAZAKI ... 27

Topics

- A New Type Lymphocyte Discovery and Woman Researcher
..... Y. MORO ... 20
- An Influence of Infancy Nutrition on the Growth
..... K. SHIMAMURA ... 26

Abstracts

- Abstracts of Papers Presented at the 50th Meeting of
the Ohu University Dental Society
General Session
..... 31

Other

- Evaluation of Patient's Ideal Profile by Using Computer Simulation
..... R. KONDA ... i

The Effects of Periosteal Flap and Irrigation with Water or Saline on The Lidocaine Concentration of Mandibular Bone after Infiltration Anesthesia	S. OGAWA, H. KAWAAL, H. TADA and S. YAMAZAKI··· xii
---	---

Number 2

Review

Characteristics and Roles of Oral Implants	T. YAMAMORI···41
Objectives and Prospects of the Implant Therapy	M. TERAKADO···45
Possibility of the Implant Treatment in the Aging Society	K. MATSUMOTO···51

Original Articles

The Effect of Heat Treatment on the Osseous Healing of Implanted Bone	A. OGURA···57
Relationship between Discoloration and Micro-structures of Au-Ag-Pd Alloy Cast Clasps	K. KATOH, Y. ISHIDA and H. OKADA···71
Effects of Carbon Dioxide Laser Irradiation on Bone Deposition onto Bone Replacement Materials	H. ADACHI···77
Fluctuations in Pulse Rates and SpO ₂ during Dental Treatment of Crying Children	K. SHIMAMURA, M. YAGI, H. YAMAUCHI and N. AIZAWA···89

Clinical Report

Clinical Study of Bilateral So-called Globulomaxillary Cysts	T. HAMADA, H. KON, I. KAWAHARA, S. TAKADA T. OHNO, J. YUSA and H. ITO···95
---	---

Topics

Dental x-ray examination and the risk of thyroid cancer	T. HARADA···44
A basic research that might lead to the construction of "phono-genetics"	A. FURUYAMA···70

Number 3

Original Articles

Development and Functional Transition of Taste Buds in Mice	C. KAGAWA, K. OHSUGA, Y. MUNAKATA and Y. SUZUKI···103
The Effect of Salivary Histatin 5 on the Reception of Quinine	H. WADA and T. YAMAMORI···115
Fluctuations in the SpO ₂ during Dental Treatment with a Mouth Open	K. SHIMAMURA, H. YAMAUCHI, M. YAGI and H. HARUYAMA···123

Clinical Report

A Case of Basal Cell Nevus Syndrome Patient

with Recurrence of Multiple Jaw Cysts 30 Years after Operation

..... I. KAWAHARA, T. HAMADA, H. KON
S. TAKADA, T. OHNO, Y. SAKURAI and H. ITO···129

A Case of Squamous Cell Carcinoma in the Mandibular Gingiva,

Whose Treatment Was Delayed, because No Definitive Diagnosis

Was Obtained by the First Biopsy

..... T. UEDA, T. HAMADA, H. KON
T. MURAKAMI, S. TAKADA, T. OHNO
T. KOITABASHI, M. KATOH and H. ITOH···135

Other

Applicability of Time Cards to Medical Services

..... I. KAWAHARA, H. KON, T. HAMADA, A. MANIWA
K. KASAI, K. KANNO, S. TAKADA and T. OHNO···139

Topics

Acute Radiation Damage

..... T. MAEDA···128

Recently Report of BRONJ

..... K. NAGASAKI···134

Abstracts

Abstracts of Papers Presented at the 51th Meeting of
the Ohu University Dental Society

..... 143

Announcements

..... 152

Number 4

Original Articles

Kinetic Analysis of Facial Soft Tissue with Twin Block
during Mandibular Movement

..... K. OUE, T. RYU and T. HIMURO···161

Brain Activity in Class II Div. 1 Malocclusion Subjects
after Setting Twin-block Appliance

..... M. HIROSE, S. NAKAMURA and T. HIMURO···171

Brain Activity after Wearing a Twin Block Appliance

..... S. YOSHINAGA, M. HIROSE
S. NAKAMURA and T. HIMURO···179

Evaluation of Skeletal II Patient's Ideal Profile
by Using Computer Simulation

..... R. KONDA, Y. MATSUYAMA and K. FUKUI···187

X-ray Observations of Root Canals of Lower First Premolars (4 teeth)	S. TANAKA, M. SHIONO, K. TAKAHASHI S. SASAKI and T. SAITO	199
Characteristics of Various Light Curing Units —Comparison with High Intensity LED Curing Units—	A. KAMADA, K. MORIKAWA, K. ITAKURA and T. SAITO	207
Education		
2010 Questionnaire Survey on I. C. T II at Ohu University School of Dentistry	H. OKADA, M. ABE, T. MAEDA, Y. MORO F. KURUMADA, K. OSUGA and A. USAMI	213
Clinical Report		
A Case of Bleeding Peptic Ulcer after Surgery for Squamous Cell Carcinoma of the Mouth Floor	I. KAWAHARA, T. HAMADA, H. KON S. TAKAHASHI, S. TAKADA, T. OHNO T. KOITABASHI and M. MISHINA	219
Other		
Activities by Ohu University in the Aftermath of the Tohoku Earthquake and Tsunami —Outline of the Support Service in Koriyama City Refuges—	S. SASAKI, N. AIZAWA, T. KIKUI F. SUZUKI, F. SUZUKI, M. NAGAOKA H. NISHIMOTO, K. TAKAHASHI and T. OHNO	224
Activities by Ohu University in the Aftermath of the Tohoku Earthquake and Tsunami —Outline of the Autopsies of Unidentified Tsunami Victims—	J. ITABASHI, H. IMAZEKI, A. USAMI, M. KAGEYAMA H. KAWAI, T. SEKINE, K. TAMAI, M. NAGAOKA H. NISHIMOTO, T. HAMADA, T. HAYASHI, M. FUKUSHIMA T. WADA, S. WATANABE, K. TAKAHASHI and T. OHNO	230
Topics		
<i>Candida albicans</i> and Periodontal Diseases	R. TAMAI	178
Revolution of Muscle Relaxant in General Anesthesia	K. YAGISHITA	206
Resumes of Dissertation		237
<hr/>		
The Complete Table of Contents		
The Name Index		