EDITORIAL

Hurricane Katrina and the LSU Dental School(s): A Remarkable Encounter of Survival

Paul L. Fidel, Jr. and Rebecca G. Pousson

Lessons learned from Hurricane Katrina and the Future of the LSU Dental School(s)

Rebecca G. Pousson, Mary E. Gerry, Randolph B. Malloy, Janet E. Leigh, and Paul L. Fidel, Jr.

The authors chronicle the effects of Hurricane Katrina on the LSU Dental School.

CRITICAL REVIEWS IN ORAL BIOLOGY & MEDICINE

Candida glabrata, an Emerging Oral Opportunistic Pathogen

L. Li, S. Redding, and A. Dongari-Bagtzoglou

The authors discuss the prevalence, virulence, host-pathogen interactions, antifungal resistance, and other survival strategies of C. glabrata in the oral mucosa.

Oral Mucosal Immunity and HIV /SIV Infection

FX. Lü and R.S. Jacobson

The oral mucosa possesses inductive and protective types of immunity that could lead to the development of a novel strategy for producing a mucosal AIDS vaccine, perhaps followed by vaccines to combat other oral diseases, such as dental caries and periodontal disease.

BIOMATERIALS & BIOENGINEERING

Polymerization Shrinkage Influences Microtensile Bond Strength

E. Cabrera and J.C. de la Macorra

The distance to the geometric center of a light-cured mass of composite bonded to enamel influences microtensile bond strength results.

Microtensile Bond Strengths of Two Adhesive Resins to Discolored Dentin after Amalgam Removal

C. Harnirattisai, P. Senawongse, and J. Tagami

Microtensile bond strengths of two different adhesive systems to discolored dentin under...
amalgam restorations were lower than those to normal dentin.

Indentation Modulus of the Alveolar Process in Dogs 237
S.S. Huja, S.A. Fernandez, K.J. Hill, and P. Gulati

This is the first reported estimation of the indentation properties of bone in the alveolar process.

**BIOLOGICAL**

Inflammatory Immune Responses by Water-insoluble \(\alpha\)-glucans 242

Water-insoluble \(\alpha\)-glucans participate in the pathogenicity of dental caries as well as inflammatory diseases in the oral cavity.

Functional TLRs and NODs in Human Gingival Fibroblasts 249
A. Uehara and H. Takada

This is the first report on the expression of Toll-like receptors 1,3,5,6,7,8, and 9 in gingival fibroblasts.

Rapid Tissue Factor Induction by Oral Streptococci and Monocyte-IL-1\(\beta\) 255
C.-L. Hahn, A.M. Best, and J.G. Tew

The rapid IL-1\(\beta\)-inducing capacity of oral streptococci could facilitate the early deposition of bacteria in fibrin clots and promote endocarditis.

Submandibular Glands Contribute to Increases in plasma BDNF Levels 260
K. Tsukinoki, J. Saruta, N. Muto, K. Sasaguri, S. Sato, N. Tan-Ishii, and Y. Watanabe

The submandibular glands may be the primary source of plasma brain-derived neurotrophic factor in conditions of acute immobilization stress.

**CLINICAL**

Localization of Palatal Area in Human Somatosensory Cortex 265

The authors clarify the precise location of palatal representation in the primary somatosensory cortex, the actual area being small.

Relationship of Metabolic Syndrome to Periodontal Disease Japanese Women: The Hisayama Study 271

Metabolic syndrome is closely related to periodontitis in females, and those exhibiting components of metabolic syndrome should undergo periodontal examination.

An Eight-year Follow-up to a Randomized Clinical Trial of Aftercare and Cost-analysis with Three Types of Mandibular Implant-retained Overdentures 276
G.T. Stoker, D. Wismeijer, and MAJ. van Waas

An overdenture with a bar on two implants might be the most efficient in the long term.
Increased salivary viscoelasticity results in compromised salivary rheology and lubrication properties, which may render the oral cavities of the elderly and other xerostomic persons more vulnerable.