Editorial
1 A New Look
JA Platt, Editor

Awards
2 2014 George M. Hollenback Memorial Prize for Research
MC Peters

Buonocore Lecture
4 Dentin Bonding: Can We Make it Last?
L. Tijssen

Clinical Techniques/ Case Report
19 A Restorative Approach for Class II Resin Composite Restorations: A Two-Year Follow-up
MUC Santos

Clinical Research
25 Color Masking of Developmental Enamel Defects: A Case Series
CRG Torres, AB Borges

Clinical Research
34 Longitudinal Results of a 10-year Clinical Trial of Repair of Amalgam Restorations
G Moncada, P Vildósola, E Fernández, J Estay, OB de Oliveira Júnior, MF de Andrade, J Martin, IA Mijd, VV Gordan

Laboratory Research
44 Transodontal Cytotoxicity of Carbodiimide (EDC) and Glutaraldehyde on Odontoblast-like Cells
DLS Scheffel, L Blanchi, DG Soares, FG Basso, C Sabatini, CA de Souza Costa, DH Fashley, JH Hebbling

Laboratory Research
55 Effects of Multipurpose, Universal Adhesives on Resin Bonding to Zirconia Ceramic
JH Kim, S-Chae, Y Lee, G-J Han, B-H Cho

Laboratory Research
63 The Effect of Sandblasting and Different Primers on Shear Bond Strength Between Ytrtria-tetragonal Zirconia Polycrystal Ceramic and a Self-adhesive Resin Cement

Laboratory Research
72 Penetration of Hydrogen Peroxide and Degradation Rate of Different Bleaching Products
FC Marson, RS Gonçalves, CO Silva, LTÁ Cintra, RC Pascotto, PH dos Santos, ALF Briso

Laboratory Research
80 Effect of Different Matrix Metalloproteinase Inhibitors on Microtensile Bond Strength of an Etch-and-Rinse and a Self-etching Adhesive to Dentin
P Zheng, M Zaruba, T Attin, A Wiegand

Laboratory Research
87 Influence of Light Intensity on Surface Free Energy and Dentin Bond Strength of Core Build-up Resins
Y Shimizu, TA Taijimato, T Funuchi, T Suzuki, T Tsubota, M Miyazaki, JA Platt

Laboratory Research
96 Effect of Hydrogen Peroxide Concentration on Enamel Color and Microhardness
AB Borges, RF Zarutti, ACSM Barros, LC Silva, CR Pucci, CRG Torres

Laboratory Research
102 Transodontal Cell Photobiomodulation Using Different Wavelengths
APS Tumoral, FG Basso, JRL Alonso, CF de Oliveira, JH Hebbling, VS Bagnato, CA de Souza Costa

Departments
112 Faculty Posting

Online Only
E1 Evaluation of Tensile Retention of Y-TZP Crowns Cemented on Resin Composite Cores: Effect of the Cement and Y-TZP Surface Conditioning
MP Rippe, R Amaral, Regina Amaral, FS Oliveira, PP Cesar, R Scotti, LF Valandro, MA Bottino

E11 Effect of Two Matrix Metalloproteinase Inhibitors on the Color Stability of a Nanofilled Resin Composite
M Isokander, D Elkassas, MA Mohsan

E21 Efficacy of Do-It-Yourself Whitening as Compared to Conventional Tooth Whitening Modalities: An In Vitro Study
SR Kwan, M Mishary, U Oyoyo, Y Li

E28 Ultrathromorphological Assessment of Dentin-Resin Interface After Use of Simplified Adhesives
HF Marghatani, T Bahksh, A Sadri, J Tagarni