CRITICAL REVIEWS IN ORAL BIOLOGY & MEDICINE

Expanding the Foundation for Personalized Medicine: Implications and Challenges for Dentistry
The authors present an overview of the opportunities and challenges that influence the oral health community’s full participation in personalized medicine.
I. Garcia, R. Kuska, and M.J. Somerman

DISCOVERY!

Dental Therapists: Evidence of Technical Competence
Dental therapists’ ability to safely and competently perform the limited set of irreversible procedures are reviewed in this article in relation to their scope of practice for the population’s access to care.
E. Phillips and H.L. Shaefer

CLINICAL TRIALS

Comparison of CaOH with MTA for Direct Pulp Capping: A PBRN Randomized Clinical Trial
This randomized clinical trial provided evidence for performance with mineral trioxide aggregate as a direct pulp-capping agent as compared with CaOH in a practice-based research network for up to two years.
T.J. Hilton, J.L. Ferracane, and L. Mancl, for Northwest Practice-based Research Collaborative in Evidence-based Dentistry (NWP)

Fluoride Concentration from Dental Sealants: A Randomized Clinical Trial
High-viscosity glass-ionomer cements, such as pit and fissure sealants, increase the interproximal fluoride concentration more than resin-based fluoride-containing sealants, representing an effective intervention to increase fluoride in the oral environment.
G. Campus, G. Carta, M.G. Cagetti, M. Bossù, S. Sale, F. Cocco, G. Conti, M. Nardone, G. Sanna, L. Strohmenger, P. Lingström, and Italian Experimental Group on Oral Health

Cluster-randomized Trial of Infant Nutrition Training for Caries Prevention
This study is the first to evaluate oral health following medical care provider training in complementary feeding guidelines.
B.W. Chaffee, C.A. Feldens, and M.R. Vitolo

Computerized Dental Injection Fear Treatment: A Randomized Clinical Trial
This multicenter, randomized clinical trial compared Computer Assisted Relaxation Learning with an informational pamphlet in reducing fear of dental injections.
L.J. Heaton, B.G. Leroux, P.A. Ruff, and S.E. Coldwell

Safety and Efficacy of a Novel Nasal Spray for Maxillary Dental Anesthesia
This study examines the efficacy, safety, and tolerability of a nasal spray to induce anesthesia of maxillary teeth.
S.G. Ciancio, M.C. Hutcheson, F. Ayoub, E.A. Pantera, Jr., C.T. Pantera, D.A. Garlapo, B.D. Sobieraj, and S.A. Almubarak

Stability of Surgically Assisted Rapid Palatal Expansion: A Randomized Trial
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