

COLOR IN ESTHETICS

Biomimetic Disruption, Bench to Chairside

Lecture Description

Color and appearance are very pertinent to dental practice for the esthetic outcome and the natural replication of biomimetic restorations. This lecture will provide an overview of the most recent scientific developments combined with their clinical application. Examples and practical suggestions associated with enhanced esthetics in both the dental office and the dental laboratory will be covered. This includes, but is not limited to, the nature of color, evidence-based interpretation of clinical results, materials selection and quality control, computer modelling for "white", "pink", and relevance of translucency. You will learn traditional and advanced approaches aimed to address drawbacks and provoke a paradigm shift.

Objectives

1. Understand the nature of color appearance and visual thresholds in dentistry, and their clinical relevance through the day-to-day dentistry point of view
2. Review and contrast traditional (empirical) and contemporary (evidence-based) approach to tooth color matching, communication and reproduction
3. Compare the "pink" related issues and solutions

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Rade D. Paravina is a tenured professor in the Department of Restorative Dentistry and Prosthodontics, University of Texas School of Dentistry at Houston. He serves as Director of the John M. Powers, PhD, Houston Center for Biomaterials and Biomimetics (HCBB) and holds the Ralph C. Cooley, DDS, Distinguished Professorship in Biomaterials, an endowment created by world-renowned heart surgeon Denton A. Cooley, MD.

Dr. Paravina has authored/co-edited three books, 15 book chapters, 270+ peer-reviewed publications (papers and abstracts), and has designed/developed several dental products and tests. His work has been cited 3100+ times on Scopus (*h*-index 30) and 6800+ times on Google Scholar (*h*-index 41).

Dr. Paravina is founder and past president of the Society for Color and Appearance in Dentistry (SCAD). He is a recipient of the 2011 E. B. Clark Award, the SCAD Award for Lifetime Achievement, and the 2014 Jerome M. and Dorothy Schweitzer Research Award of the Greater New York Academy of Prosthodontics. He is Director in the Executive Council of the American Academy of Esthetic Dentistry (AAED), and fellow of AAED, SCAD and AADR. He serves as Editor-in-Chief of the Journal of Esthetic and Restorative Dentistry (Wiley, Impact Factor 2.84) and editorial board member for the Journal of Dentistry, Journal of Prosthetic Dentistry, International Journal of Prosthodontics, and the American Journal of Dentistry.