

The Battle of De-Bond: Overcoming Dentistry's Greatest Challenges. Part 1 and 2.

For years the dental profession has been struggling with providing effective long-term preventive and direct restorative solutions for our patients with resin-bonding of composite restorations.

However, the evidence is mounting that we may have taken a “wrong turn” along this road and a new directions in the treatment of our patients is needed. The scientific research is now moving toward the use of “bioactive” materials in an attempt create biomineralization and mimic nature. However this term “bioactive” has become confusing and is being used as a marketing term in many cases. Are there materials currently available that can really help with this attempt to heal the damaged structure that caries has effected? Can there really be the creation of materials that can withstand the extreme hostile forces encountered day to day in the oral cavity and still provide a basis to promote a return to health in a biomimetic, beneficial manner?