



Rethinking clinical bonding protocols: how the altered dentin substrates determine new approaches

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While the complexity of dentin is fascinating, it strongly instigates researchers and clinicians to pursuit for key-parameters that could permit longlasting performance of dentinadhesive restorations. Closer communication with companies also have been of great interesting to develop more effective and affordable agents. Therefore, main start point to select materials and techniques relies on the rationale based on the structural and compositional challenges of the altered dentin substrate. One of the remarkable strategy is the Selective Dental Tissue Removal, that revolutionized the Minimal Intervention Dentistry. Supported by the evidence, this approach has been considered conservative and successes also because of the availability of reliable bonding materials. Scenarios as carious lesions is not the unique one and professionals are willing to explore the alterations related to other clinical events as dental wear and irradiation consequences, for instance, which provoke particular alterations that claim for different techniques to reach better results. When these particularities are taken into account, the selection of the materials are the next step. In this field, biological advances are notable addressing the development of new concepts of the use of bioactive ingredients combined with different monomers to offer more precise clinical approaches. the control of the disease and the collaboration of the patients are also mandatory. Even essential, there is no reason to attribute the successful of the restorations exclusively to materials, which would be a very simplistic and unfair point of view. Novel possibilities and the development of materials to aid with its recover has guiding relevant new approaches clinically.

<Biography>

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