



SPAZIO RICERCA - PREMIO "G. CARDAROPOLI"

Clinical behavior of the gingival margin following conservative "coronally dynamic" restorations in the presence of non-carious cervical lesions associated with gingival recession: Pilot study

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Gingival recessions (GRs) are often associated with the presence of non-carious cervical lesions. The latter result in the disappearance of the amelo-cement junction (CEJ), with consequent difficulties both in measuring the recession itself and in performing root coverage techniques. The restoration of cervical lesions is consequently an important aspect in the treatment, with the re-establishment of a "new" CEJ. This pilot study aims to verify whether the restorative therapy alone, with the execution of a restoration that mimics the convexity of the natural CEJ and, thanks to a slight horizontal over-contour, stabilizes a clot in the intrasulcular site, is able to change the position of the gingival margin in a coronal direction. Ten GR associated NCCL restorations were performed using a protocol inspired by concepts of prosthetic conditioning and de-epithelialization of the gingival sulcus (coronal dynamic restoration). 70% of the treated teeth showed a reduction in crown length after 15 days (-0.267 mm) in the absence of an increase in probing depth.

While considering the limitations of the sample and the need to evaluate the different parameters that can affect the result, the coronal dynamic restoration of NCCL with GR has been shown to be able to influence the position of the gingival margin in a coronal sense.