

# Management of Gingival Symmetry and Health Using the Er,Cr:YSGG Laser



## Hugh Flax, DDS\*

- The Er,Cr:YSGG was used in three modes (ie, gingival sculpting, osseous recontouring, and frenectomy). No tissue necrosis or significant bleeding occurred as a result of the laser's relatively lower settings of 1.5 W, 30% air, and 20% water.
- Flowable composite was then placed along the mesio gingival aspects of teeth #8 and #9.
- Osseous sculpting required great precision to maintain a 3-mm dentogingival complex.
- The frenectomy was cleanly performed at the soft tissue setting; at 0.25 W, biostimulation of the outer epithelium helped to decrease the release of histamine and increased fibroblasts for junctional epithelial growth.



Varying gingival heights are an aesthetic liability due to the resulting diastemata



The G-6 and Z-6 tips of the Waterlase MD (Biolase) are used to shape the gingival region



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Virtually bloodless field is attributed to the nontraumatic nature of the closed flap laser technique



Frenectomy releases the midline papilla and results in greater freedom of the upper lip



Healthy gingival tissue achieved through the YSGG laser contributes significantly to the optimal outcome



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