

특강 II

Palatoplasty by supraperiosteal mucosal flap technique without denudation of bone favors dentoalveolar development and speech compared with mucoperiosteal flap technique



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A lot of reports have shown that palatoplasty with denudation of bone at the time of significant pushback might produce less dentoalveolar development because of thicker scar tissues along the denuded area of bone. Some authors have reported that palatal surgery without denudation of bone in animal experiments led to superior dentoalveolar development. For the purpose of obtaining favorable results in both dentoalveolar development and speech, the supraperiosteal mucosal flap technique has been developed and applied to many cases with cleft palate in our clinic.

In this study the supraperiosteal mucosal flap(SP technique) was evaluated and compared with the conventional mucoperiosteal flap technique (MP technique). The SP-technique could be performed successfully in approximately the same amount of time as the push back procedure by MP technique. Re-epithelialization of the wound area by SP technique took 7-14 days, which was half of the time associated with healing after MP technique. SP technique resulted in a more favorable surgical outcome than the MP technique in terms of dentoalveolar development, palatal sensibility and speech. I will now outline the management procedure for cleft lip and palate employed in our clinic.

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