A Modified Transpalatal Arch with Sleeve

Ashish Gupta, Sridhar Kannan, Gaurav Gupta, Abhishek Goyaliya, Ankur Kaul, Naseem Garg

ABSTRACT

Conventionally fabricated transpalatal arches often create deep grooves on the tongue causing discomfort to the patients. To overcome this situation a modification has been devised which requires only a few minutes of lab time, thus enhancing patient’s compliance toward treatment.

Keywords: Transpalatal arch, Sleeve, Lingual sheath.


Low-placed transpalatal arch (TPA) usually indicated in cases requiring molar intrusion often lead to indentations of the U loop on the dorsum of tongue, thus causing discomfort and irritation to the patient. A simple modification using archwire sleeve over the loop of the TPA can eliminate these problems. It can be fabricated by using the following techniques:

1. An archwire sleeve of 1 inch length with 0.31” (internal diameter) was passed over the 0.9 mm wire before fabrication of TPA loop (Fig. 1).

2. The TPA was then ligated into the lingual sheath of the molar bands (Fig. 2).

REFERENCES


Fig. 1: Extraoral photograph on plaster cast model of TPA with archwire sleeve

Fig. 2: Occlusal photograph of TPA with archwire sleeve

Corresponding Author: Sridhar Kannan, Professor, Department of Orthodontics, Sudha Rustagi Dental College and Research Center, Faridabad, Haryana, India, e-mail: sridharkannan_in@yahoo.com