

Simultaneous use of double Struts for unsupported noses: technical note

Uso simultáneo de doble Struts para narices sin soporte: nota técnica

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ABSTRACT: Rhinoplasty is the most practiced facial aesthetic procedure in the world and has generated enormous literature on the matter. The objective of this study is to describe the use of the simultaneous double strut technique for unsupported noses. Currently the anterior strut does not need a great length, nor does it need to be fixed to the SNA, just as it will not be in charge of providing projection to the nasal tip, it is enough to fix it to the medial cruras to provide greater support to the nasal tip. the technique Teo strut, is in charge of giving projection as well as the support to the nasal tip. The Teo Strut technique possible to provide support and stability to the nasal projection, rotation of the nasal tip, and adequate points of light and shadows in the different polygons, maintaining principles of preservation in some cases, thus reducing fibrosis and healing action, giving lasting results in the time.

KEY WORDS: Unsupported noses, rhinoplasty, Teo Strut, reconstruction.

INTRODUCTION

Rhinoplasty is the most practiced facial aesthetic procedure in the world and has generated enormous literature on the matter. The septum-fixed triangular cartilage monopod known as Teo Strut allows to maintain the tip in position and its mobility, as well as an ideally harmonious tip rotation by 80 degrees (Dogan, 2023). On the other hand, anterior strut grafts have long been employed as a means of increasing nasal tip projection², now this projection and tip rotation is well achieved with the Teo Strut alone, but the disadvantage In some patients, it is the lack of physiological support, adding that the action of scarring causes the position of the tip to change over time, so it is necessary to provide extra support to maintain the results. The objective of this study is to describe the use of the simultaneous double strut technique for unsupported noses

TECHNICAL NOTE

Under general anesthesia, open rhinoplasty is performed, a hemitrafixing incision and dissection of the perichondrium are performed, a quadrangular graft is taken to perform Theo Strut and a strut of sufficient length is performed with the septal foot; The Teo Strut technique is fixed to the anterior edge of the septum with an 80 degree inclination with nylon 6-0, later a polygonal technique is performed to define the nasal tip and dome, and finally it is reinforced with the fixation of the anterior strut to medial cruras with 6-0 nylon to guarantee the support and projection given by the Teo Strut (Fig. 1).

DISCUSSION

The Teo Strut technique described by its creator as an "unnatural" technique of an elastic triangular cartilage fixed

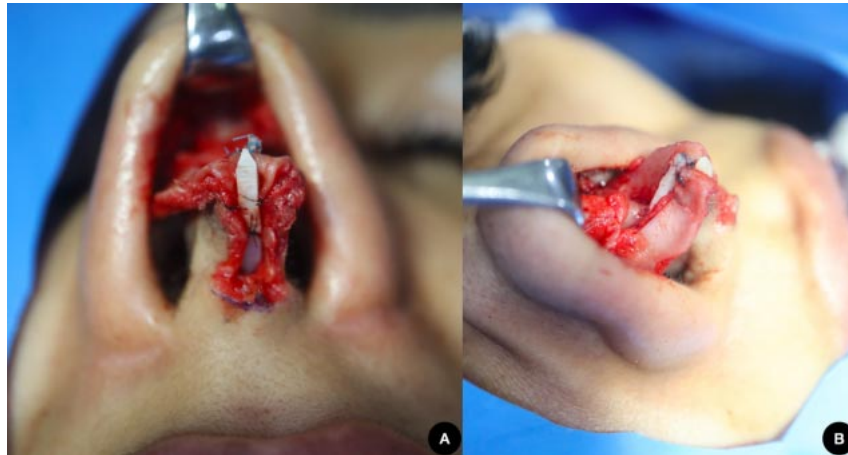


Fig. 1. Frontal (A) and profile (B) image shows a hemitrafixing incision and dissection of the perichondrium, with a quadrangular graft to perform Theo Strut and a strut of sufficient length is made with the septal foot.

to the septum as anteriorly as possible according to the projection that the patient needs, replaces the tripod concept with the monopod, allowing to maintain stability and support of the dome and nasal tip making it a very useful and simple maneuver¹. Also, before this type of graft, an anterior strut of sufficient length was used that could be fixed or not both to the medial crurae and to the anterior nasal spine, allowing for increased projection of the nasal tip (Rod et al., 2014).

However, currently the anterior strut does not need a great length, nor does it need to be fixed to the SNA, just as it will not be in charge of providing projection to the nasal tip, it is enough to fix it to the medial cruras to provide greater support to the nasal tip. Teo Strut technique, since this monopod is in charge of giving projection as well as the support to the nasal tip.

CONCLUSION

This combination made it possible to provide support and stability to the nasal projection, rotation of the nasal tip, and adequate points of light and shadows in the different polygons, maintaining principles of preservation in some cases, thus reducing fibrosis and healing action, giving lasting results in the time.

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RESUMEN: La rinoplastia es el procedimiento estético facial más practicado en el mundo y se ha generado mucha literatura al respecto. El objetivo de este estudio es describir el uso de la técnica de doble puntal simultáneo para narices sin apoyo. Actualmente el puntal anterior no necesita una gran longitud, ni necesita ser fijado a la espina nasal anterior, así como tampoco será el encargado de brindar proyección a la punta nasal, basta con fijarlo a las curvas mediales para proporcionar Mayor soporte a la punta nasal. la técnica Teo strut, es la encargada de darle proyección así como el soporte a la punta nasal. La técnica Teo Strut permite brindar soporte y estabilidad a la proyección nasal, rotación de la punta nasal y puntos de luz y sombras adecuados en los diferentes polígonos, manteniendo principios de preservación en algunos casos, reduciendo así la fibrosis y la acción cicatrizante, brindando un efecto duradero. resultados en el tiempo.

PALABRAS CLAVE: Soporte nasal, rinoplastia, técnica Teo Strut, reconstrucción.

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