



Learning to trace cleft lip and palate: simulation on 3D models

Authors :

Justine Loin^{1,2}, Jean-Christian Talmant^{2,3}



Institutions :

¹ Clinique de Stomatologie et Chirurgie Maxillo-Faciale, CHU de Nantes, France

² Centre de Compétence Maladies Rares MAFACE, Pays de la Loire

³ Chirurgie plastique, reconstructrice et esthétique, Clinique Jules Verne, Nantes, France

Abstract :

The first step in cleft lip and palate repair is the precise placement of anatomical landmarks and incisions on the patient's lip and palate at the beginning of the procedure.

The surgical techniques described for the primary treatment of cleft lip and palate are multiple and have evolved over the decades, making the learning of the tracing a difficult step in the training of cleft surgeons.

At the Nantes Cleft Center, we use the technique described by Millard and modified by Pr Jean Delaire and Dr Jean-Claude Talmant.

The objective of this workshop is to teach the cheilorhinoseptoplasty procedure using 3D models. We will explain the anatomical landmarks used, incision tracing, flap placement and the importance of nostril conformation. Participants will be able to simulate the tracings on their own 3D model.