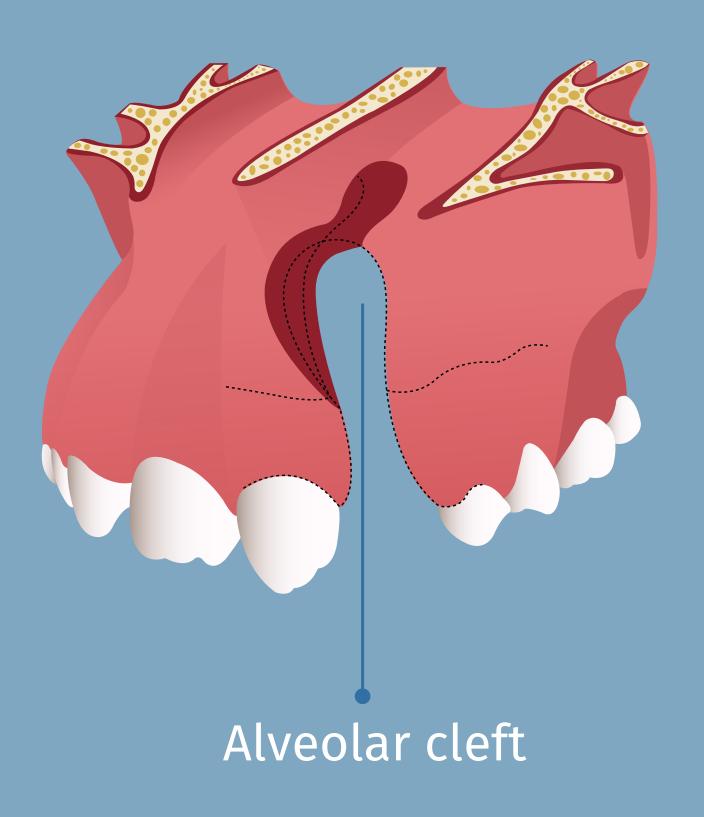
Alveolar Bone Grafting and Fistula Closure

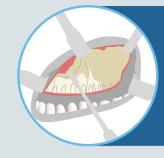
Alveolar bone grafting is used for managing alveolar clefts and closing oronasal fistulae remaining after primary cleft lip and palate repair



Technique for correcting an alveolar cleft and oronasal fistula



11-year-old girl with an alveolar gap and alveolar sulcus fistula



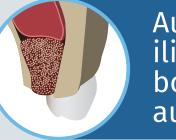
Maxillary vestibular approach



Incisions for repairing the anterior sulcus fistula



Wide defect exposure

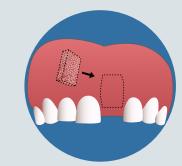


Autogenous iliac crest bone graft augmentation



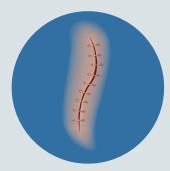
Tri-laminar closure

Advantages



Large pocket for bone graft transplantation





Tension-free and watertight closure



Sufficient bone stability for future orthognathic surgery

A technique involving wide defect dissection and autogenous corticocancellous bone graft transplantation followed by discrete closure of the tri-laminar layers could be useful for correcting an alveolar cleft and oronasal fistula