**Table S4:** Definitions of the cephalometric measurements used in the present study.

|  |  |
| --- | --- |
| Skeletal measurements |  |
| Sagittal values |  |
| 1. A-NP
 | Distance from point A to Nasion perpendicular. |
| 1. SNA
 | Angle formed by connecting the Sella-Nasion plane to point A. |
| 1. Pog-NP
 | Distance from point Pog to Nasion perpendicular. |
| 1. Cond-A
 | Effective Length of Maxilla: Distance from point Condylion to point A. |
| 1. Cond-Gn
 | Effective Length of Mandible: Distance from point Condylion to point anatomic Gn. |
| 1. Max-Mand
 | Maxillomandibular difference: Difference between effective maxillary and mandibular lengths. |
| Vertical values |  |
| 1. ANS-Me
 | Distance from point ANS (anterior nasal spine) to point Me. |
| 1. MP-FH
 | Mandibular Plane Angle: Angle between the mandibular plane (Me-Go) and the anatomic Frankfurt plane (P-Or). |
| 1. Facial Axis
 | Angle formed by the reference lines N-Ba (cranial base) and PTM- constructed Gn (facial axis). The value measured is Ba-PTM-cGn angle - 90° |
| Dental measurements |  |
| 1. 1U-AP
 | Distance from the most anterior surface of the upper incisor to a vertical line to Frankfurt plane through point A. |
| 1. 1L-APog
 | Distance from the most anterior surface of the lower incisor to the line A-Pog. |
| Soft tissues measurements |  |
| 1. NLA
 | Naso-labial angle: Angle formed by the tangent from Subnasale (Sn) to the inferior aspect of the nose and the tangent to the upper lip. |
| 1. UL-NP
 | Angle formed by the tangent drawn to the upper lip and the Nasion perpendicular. |
| Airway measurements |  |
| 1. UPh
 | Upper pharyngeal width: The closest distance from the anterior half of the posterior outline of the soft palate to the posterior pharyngeal wall. |
| 1. LPh
 | Lower pharyngeal width: The closest distance from the intersection of the posterior border of the tongue and the inferior border of the mandible to the posterior pharyngeal wall. |