

Supplementary Table 1.

Dimension/Group	Parameter	Unit	Definition
Vertical Analysis	NL/ML (anatomic)	°	The angle between the NL and ML
Vertical Analysis	SNL/ML (anatomic)	°	The inclination of the mandible (mandibular inclination) relative to the nasion-sella line (anterior skull base, SNL)
Vertical Analysis	NL/NSL	°	The angle between Sella-Nasion-line (NSL = SN) and nasal line (Spa-Spp)
Vertical Analysis	PFH/AFH	%	The ratio between posterior (SGo) and anterior (NMe) facial height
Vertical Analysis	Gonial Angle	°	The angle between ML and line GoAr at Gonion
Vertical Analysis	Facial axis	°	The angle between the lines NBa and PtGN'
Sagittal Analysis	Angle SNA	°	The angle between Sella, Nasion, and point A
Sagittal Analysis	Angle SNB	°	The angle between Sella, Nasion, and point B
Sagittal Analysis	ANB	°	The angle between Nasion, point A, and point B
Sagittal Analysis	ANB(indl.)	°	$ANB_{ind} = (-35.16 + 0.4 \cdot SNA + 0.2 \cdot ML-NSL)$ according to Panagiotidis and Witt
Sagittal Analysis	SN-Ba	°	Central saddle angle. It describes the extent of the skull base flexion
Sagittal Analysis	SNPg	°	The angle between Sella, Nasion and Pogonion
Sagittal Analysis	S-N	mm	The S-N line represents the anterior cranial base. It is constructed by connecting the points sella turcica and the Nasion
Sagittal Analysis	Go-Me	mm	The mandibular plane as a line connecting the points gonion and menton
Sagittal Analysis	Wits	mm	measures the extent to which the jaws are related to each other anteroposteriorly.
Growth Analysis	ML-NSL	°	The angle formed between the ML and NSL lines
Dental Analysis	(+1/NL)	°	The angle between upper incisors' tooth axis and line NL
Dental Analysis	(+1/SN)	°	The angle between upper incisors' tooth axis and line SN
Dental Analysis	+1/NA	°	The angle between upper incisors' tooth axis and line NA
Dental Analysis	+1/NA	mm	the upper central incisor to N-A reading in millimeters provides information on the relative forward or backward positioning of the incisor teeth to the N-A line
Dental Analysis	-1/ML (anatomic)	°	The relative anteroposterior angulation of the lower incisor teeth is determined by relating the most protruding incisor tooth to the mandibular plane (ML)
Dental Analysis	(-1/NB)	°	The lower central incisor to N-B reading in degrees indicates the relative axial inclination of these teeth
Dental Analysis	(-1/NB)	mm	The lower incisor to NB line measurement in millimeters shows the relative forward or backward positioning of these teeth to the N-B line
Dental Analysis	Interincisal angle	°	the inter-incisal angle relates the relative position of the upper incisor to that of the lower incisor

Supplementary Figure 1.

