Onyx Cast Analyse 3D

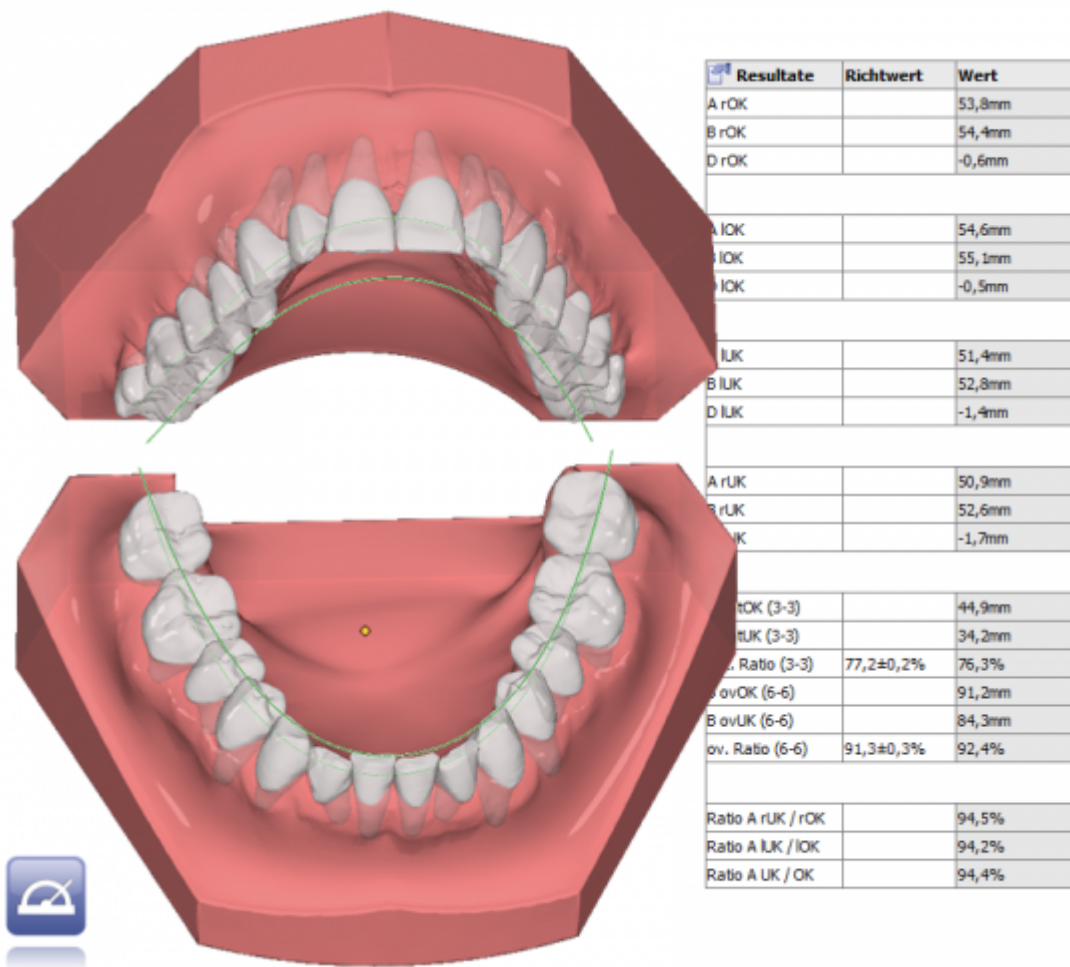| Resultate	Richtwert	Wert
A rOK		53,8mm
B rOK		54,4mm
D rOK		-0,6mm
A lOK		54,6mm
B lOK		55,1mm
D lOK		-0,5mm
A lUK		51,4mm
B lUK		52,8mm
D lUK		-1,4mm
A rUK		50,9mm
B rUK		52,6mm
D rUK		-1,7mm
B tOK (3-3)		44,9mm
B tUK (3-3)		34,2mm
t. Ratio (3-3)	77,2±0,2%	76,3%
B ovOK (6-6)		91,2mm
B ovUK (6-6)		84,3mm
ov. Ratio (6-6)	91,3±0,3%	92,4%
Ratio A rUK / rOK		94,5%
Ratio A lUK / lOK		94,2%
Ratio A UK / OK		94,4%

With the increasing use of intraoral and model scanners in the orthodontic practice, the need for a suitable model analysis comes up for many users.

Such analysis should comprehensively evaluate the information provided by the digital model regarding space situation and malocclusion while at the same time being as user-friendly, reliable and meaningful as possible.

In the OnyxCeph³™ 3D Digitize module, in addition to a large number of traditional analyzes for mixed and permanent dentition, with the Onyx Cast Analysis 3D an alternative methodology is provided that returns available and needed space as well as other measurements helpful for treatment planning by virtually setting up the diagnostic treatment goal by evaluation of the real anatomical shape of arches and crowns.

The Monson-Andrews concept used for this purpose is also applied in the planning module V.T.O.3D for virtual setup creation. The user must only select from a list the desired arch symmetry and crown inclination for the treatment goal and for mixed dentition in addition support zone approximation method to be used while all other information is automatically detected from the segmented data set.

As a result, the space discrepancy in all four jaw quadrants and the relations of arch lenths and tooth width totals are calculated based on the individual geometry of dental arch and crowns.

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