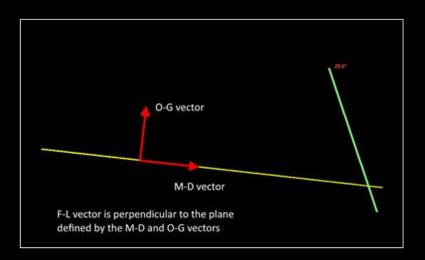


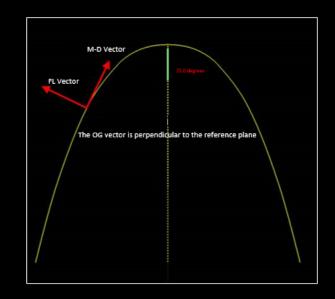
Upper	A	MR	BLI	OC	OB	OJ	IPC	Lower							
	Mesio-palatal point on the incisal edge and Disto-palatal point on the incisal edge; a line connecting these two points along the palatal-incisal edge					Palatal incisal tip in cross section midpoint between the mesial and distal incisal line angle	Mesial Contact Foint, Distal Contact Foint	Central	Mesio-labial point on the incisal edge and Disto-labial point on the incisal edge; a line connecting these two points along the labial-incisal edge					Most anterior point on the curve of the upper third of the facial surface in cross section	Mesial Contact Point, Distal Contact Point
Lateral	Mesio-palatal point on the incisal edge and Disto-palatal point on the incisal edge; a line connecting these two points along the palatal-incisal					Palatal incisal tip in cross section midpoint between the mesial and distal incisal line angle	Mesial Contact Foint, Distal Contact Foint	Lateral	Mesio-labial point on the incisal edge and Disto-labial point on the incisal edge; a line connecting these two points along the labial-incisal edge a line drawn from				Distal	Most anterior point on the curve of the upper third of the facial surface in cross section	Mesial Contact Point, Distal Contact Point
Cuspid	edge a line drawn from the cusp tip to a point located equidistant between the mesio-labial and mesio palatal points; a connected second line drawn from the cusp tip to a point located equidistant between the disto- labial and disto-				Cusp tip		Mesial Contact Point, Distal Contact Point	1 <sup>sc</sup> bicuspids	the cusp tip to a point located equidistant between the mesio-labial and mesio-labial and mesio lingual points; a connected second line drawn from the cusp tip to a point located equidistant between the disto- labial and disto- lingual points Mesio-bunco- occlusal point	Not	Not scored	Not scored	Contact Point	Not scozed	Contact Point, Distal Contact Point Mesial Contact
1= bicuspids	palatal points The central groove, from mesial to distal aspect The central groove, from	Not seozed Mesial Ridge,	Not scored Falatal Cusp tip, Buccal Cusp tip	Not scored Palatal cusp tip	Buccal Cusp tip Buccal Cusp	Center of Occlusal Surface Center of Occlusal	Mesial Contact Point, Distal Contact Point Mesial Contact		Disto- bucco- occlusal point The buccal cusp tip a line connecting these three points along the mesial slope and distal slope						Point, Distal Contact Point
	mesial to distal aspect	Distal Marginal Ridge at the height of contour		-1	tip	Surface	Point, Distal Contact Point	2 <sup>nd</sup> bicupids	Cusp tip	Mesial Marginal Ridge, Distal Marginal	Lingual Cusp tip, Buccal Cusp tip	Buccal Cusp tip	Mesial Contact Point, Distal Contact	Buccal Cusp tip	Mesial Contact Point, Distal Contact Point
	The central groove, from mesial to distal aspect	Mesial Marginal Ridge, Distal Marginal Ridge at the height of contour	MesioPalatal Cusp tip, Disto palatal Cusp tip, MesioBuccal Cusp tip, DistoBuccal Cusp tip	MesioPalatal Cusp tip, Disto Palatal Cusp	Mesio- buccal cusp tip	Center of Occlusal Surface	Mesial Contact Point, Distal Contact Point	Molars	Mesial and distal buccal cusp tips	Ridge Mesial Marginal Ridge, Distal Marginal Ridge	MesioLingual Cusp tip, DistoLingual Cusp tip MesioBuccal Cusp tip, DistoBuccal Cusp tip	MesioBuccal Cusp tip, DistoBuccal Cusp tip	Point Mesial Contact Point, Mesio- buccal Groove	MesioBuccal Cusp tip, DistoBuccal Cusp tip	Mesial Contact Point, Distal Contact Point

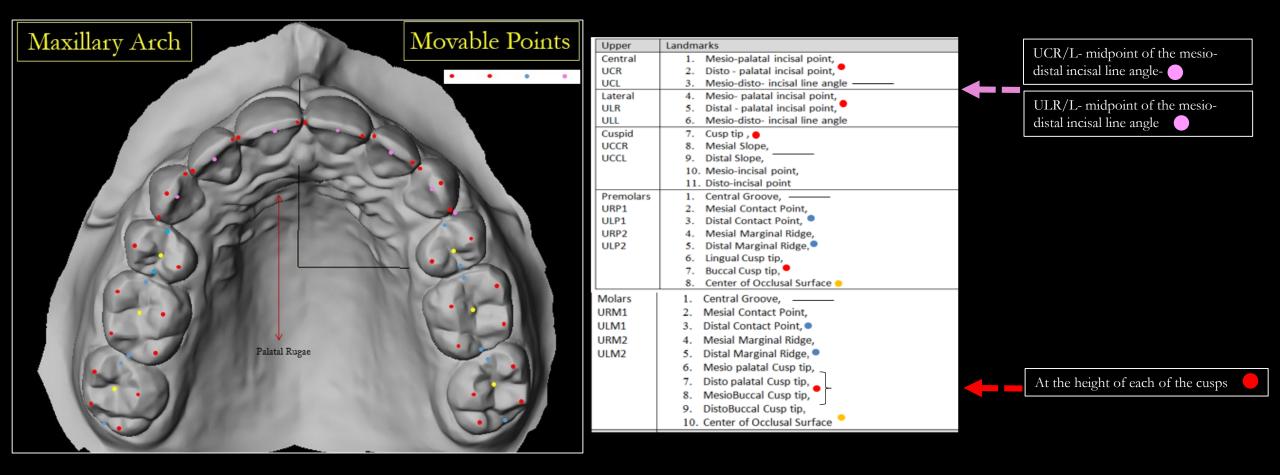
#### Cast Orientation Reference Plane as Defined and Utilized by Motion View<sup>©</sup> Software

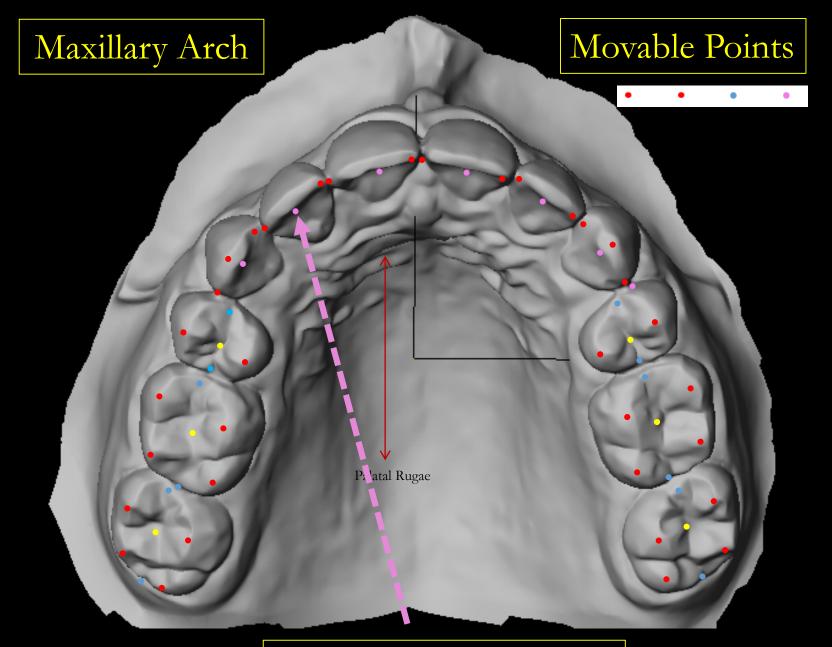
When accurately measuring in a computer environment it is necessary to have a point/s for all measurements to reference. When measuring digital casts in Ortho Share 3D<sup>©</sup> the reference plane is the standard for orientation.

For purposes of measuring point to point relationships on the dental casts, we have defined the reference plane as determined by the following three (3) points: right and left central fossae as found on the maxillary first molars for the posterior and the center point of the incisal edge of the maxillary right central incisor.

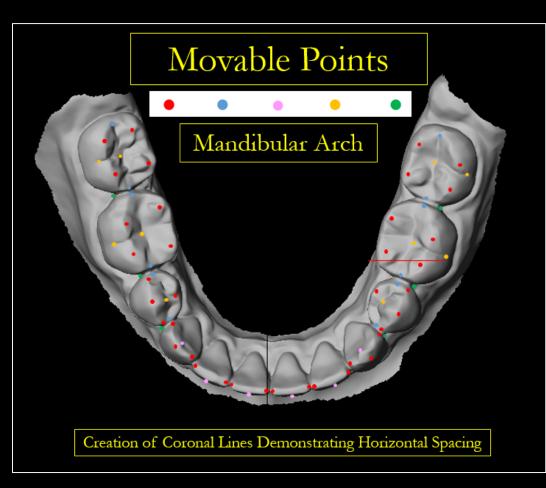








Additional Maxillary Anterior Points



Lower	Landmarks	٦
		-
Central	1. Mesio-labial incisal point	
LCR	2. Disto-labial incisal point	
LCL	<ol> <li>Mesio-labio-incisal line angle ]-</li> </ol>	
	4. Facial Incisal Center -	-
Lateral	<ol> <li>Mesio-labial incisal point 1</li> </ol>	
LLR	<ol> <li>Disto-labial incisal point ∫<sup>™</sup></li> </ol>	
	<ol> <li>Mesio-labio-incisal line angle ]-</li> </ol>	
	<ol> <li>Facial Incisal Center ]-•</li> </ol>	
Cuspid	9. Cusp Tip -	
LCCR	10. Mesial Slope	
LCCL	11. Distal Slope	
	12. Mesio-incisal point	
	13. Disto-incisal point	
	14. Cusp Tip Facial Labial Center -	
	<ol> <li>Distal Gingival Interproximal Locator -</li> </ol>	
Premolars	1. Central Groove	
LRP1	2. Medial Contact Point	
LLP1	<ol> <li>Distal Contact Point </li> </ol>	
LRP2	4. Mesial Marginal Ridge	
LLP2	5. Distal Marginal Ridge	
	6. Buccal Cusp Tip	
	7. Palatal Cusp Tip	
	<ol> <li>Center of the Occlusal Surface</li> </ol>	
	9. Mesial Gingival Interproximal Locator	
	<ol> <li>Distal Gingival Interproximal Locator</li> </ol>	
Molars	1. Central Groove -	1
	2. Mesial Contact Point	
LRM1	3. Distal Contact Point	
LLM1	<ol> <li>Mesial Marginal Ridge 1</li> </ol>	
LRM2	5. Distal Marginal Ridge	
LLM2	6. Mesio-palatal Cusp Tip	
	7. Disto-palatal Cusp Tip	
	8. Mesio-buccal Cusp Tip	
	9. Disto-buccal Cusp Tip	
	10. Center of the Occlusal Surface	
	11. Buccal Groove -	
	12. Mesial Gingival Interproximal Locator	
	13. Distal Gingival Interproximal Locator	
L	I TO ANTIA ONETTA INCIPIONINA DOCATOR J	1

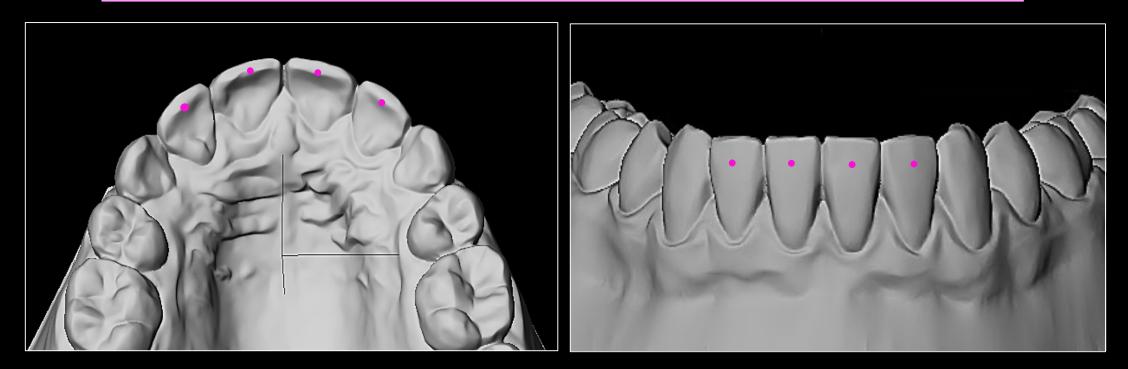
LRC/L Centered on the facial surface of the lower incisors one third from the incisal edge occlusal/gingivally

LRL/L Centered on the facial surface of the lower lateral incisors one third from the incisal edge occlusal/gingivally

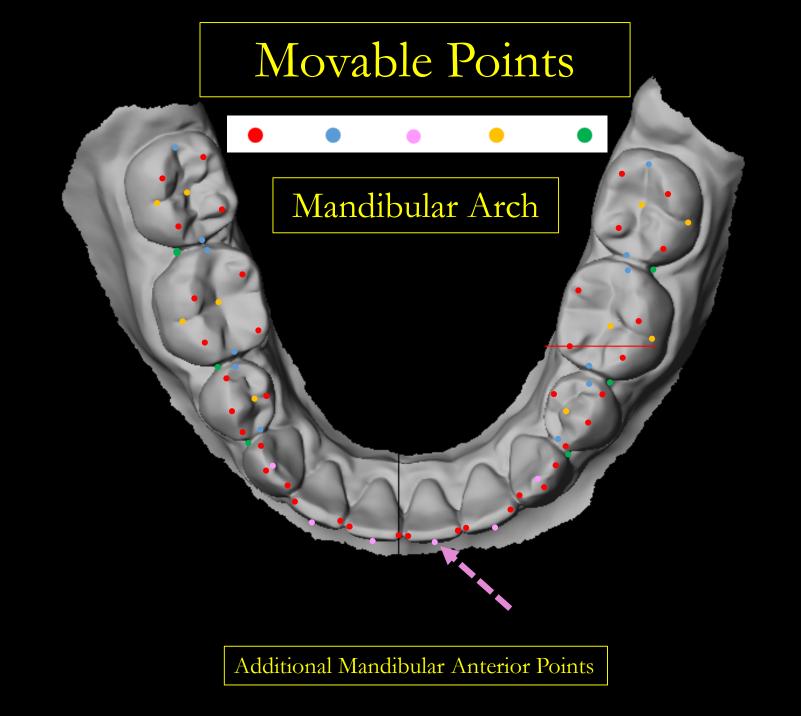
At the height of each of the cusps

Locations for Anterior Overjet Points

- 1. Maxillary Points- centered on the incisal ridge immediately adjacent to the palatal line angle
- 2. Mandibular Points- centered on the facial surface of the lower incisors one third from the incisal edge occlusal/gingivally







## Cast Radiograph-Evaluation (CR-E) Scoring For Root Scoring

