		4	Regimens: Standard ( <b>S</b> ), Blueprint ( <b>B</b> ), RightLeftFront ( <b>R</b> ), SurgArticPlanning ( <b>U</b> ), Snake( <b>N</b> ) ->		RUN
		4	Mandatory Landmark ->	_==	Ш
THE TIOPS4 DOCUMENTATION I	Files 🚺	'IOPS	Landmark that may be skipped ->		
			Special automatic generated Landmark for surgical stages ->		
Complete Landmark Reference	European	USA	Definitions	ш	
Lateral Landmarks	notation	equivalent	Jens Bjoern-Joergensen, DDS, Ib Leth Nielsen, DDS, 2011/1	1	
FilmReferece					
FilmReference1	re1		Vertical X-ray reference point 1 - Created automatically on digital images		
FilmReference2	re2		Vertical X-ray reference point 2 - Created automatically on digital images		
AnteriorCranialBase					
Nasion	n	N, Na	Anteriormost point of the frontonasal suture		
CranBasRef1	cbr1		Point is identical to <b>n</b> on the stage 1 headfilm - Created automatically on subsequent Stages		
SellaAnterior	sa		Intersection of the anterior contour of sella turcica and the NSL - Transferred to subsequent Stages		
CranBasRef2	cbr2		Point is identical to <b>sa</b> on all films - Created automatically on subsequent Stages		
Sella	S		Center of Sella Turcica. The upper limit is defined by a line from the tuberculum to dorsum sella		
MedialCranialBase					
Basion	ba		Most postero-inferior point on the anterior margin of foramen magnum		
Snake1-6			,		
Snake1a-e//6a-e	sn#l		6 x 5 free utility points to mark bony structures	-	
FrankfortLine	311,11		o no need unity points to mark bony structures		
Orbitale	or		Deepest point of the infraorbital margin	-	
Porion	ро		Most superior point of the ear rods of the cephalostat	+	
LeftFrankfortLine	po		MOSC Superior point of the ear rous of the cephalostat		
OrbitaleLeft	orl		Left side landmarks	-	
CervicalColumn	011		Left side landinaris		
SecondCervicalVertebraApex	scap		Apex of the odontoid proces of the second cervical vertebra		
SecondCervicalVertebraTangent			Tangent point of the <b>CVT</b> of the odontoid process of the second cervical vertebra		
SecondCervicalVertebraInf	sctg		Most inferio-posterior point of the corpus of the second cervical vertebra		
	scip				
FourthCervicalVertebraInf	fcip		Most inferio-posterior point of the corpus of the fourth cervical vertebra		
NasalBone			The tile of the couplings	-	
NasalApex	na		The tip of the nasal bone		
Calvarium				-	$\vdash$
Vertex	V		The uppermost point of the calvarium		$\vdash$
CoronoidProcess				-	$\vdash$
CoroniodealOcclLevel	C00		The intersection of the anterior contour of the mandibular ramus and the functional occlusal plane - Olf		H
CoroniodealCurvature	сос		Deepest point on the anterior contour of the mandibular ramus		
CoroniodeusAnt	coa		Tangent point of the anterior contour of the coronoid process through the <b>coo</b>		
CoroniodeusSup	cos		Superiormost point of the coronoid process		
CoroniodeusPost	сор		Tangent point of the posterior contour of the coronoid process through the <b>cot</b>		
CoroniodealTranssection	cot		Intersection of the coronoid process and the posterior contour of the pterygommaxillary fissure		
IncisuraCoroniodea	coi		Deepest point of the mandibular sigmoid notch		
MandibularCondyle					
ArticulareAnt	ara		Intersection of the external contour of the cranial base and the anterior contour of the condyle		
CondyleonSup	cds		Superiormost point of the condylar head		
Condyleon	cd	Со	Superio-posteriormost point of the condylar head		
CondyleonPost	cdp		Posteriormost point of the condylar head		

Complete Landmark Reference	European	USA	Definitions
	notation	equivalent	Regimens: Standard ( <b>S</b> ), Blueprint ( <b>B</b> ), RightLeftFront ( <b>R</b> ), SurgArticPlanning ( <b>U</b> ), Snake( <b>N</b> ) -> <b>SB</b>
PosteriorMandible			
Articulare	ar		The intersection of the external contour of the cranial base and the posterior contour of the condyle
RamusLineSup	rls		Deepest point of the posterior contour of the mandibular ramus
RamusLineInf	rli		Tangent point to the posterior contour of the mandibular ramus through the ar
Gonion	go		Intersection of the gonial contour and a line dividing the angle between the ML and RL
MandibularLinePost	mlp		Tangent point to the inferior contour of the mandible through <b>qn</b>
Antegonion	ag		Superiormost point of the antegonial notch in relation to ML
MandibularLineAnt	mla		Tangent point of the inferior contour of the mandible through <b>mlp</b>
LeftCoronoidProcess			
CoroniodealOcclLevel	cool		Left side landmarks
LeftMandibularCondyle			
ArticulareAntLeft	aral		Left side landmark
CondyleonLeft	cdl		Left side landmark
LeftPosteriorMandible			
ArticulareLeft	arl		Left side landmarks
AnteriorMandible			
Supramentale	sm	B point	Posteriormost point of the anterior contour of the mandibular symphysis / lower alveolar process
Suprapogonion	spg	<u> </u>	Tangent point to the anterior contour of the mandibular symphysis through <b>sm</b>
Pogonion	pg	Pg, Pog	Tangent point the anterior contour of the mandibular symphysis through <b>n</b>
Prognathion	pgn	Gn	Point on the mandibular symphysis at the greatest distance from <b>cd</b>
Gnathion	gn	Me	Inferiormost point of the mandibular symphysis
Symphyseon	sym		Posteriormost point of the mandibular symphysis
MandibularReferenceLine			
MandibularRef1	ma1		Mandibular reference point 1 - Anterior
MandibularRef2	ma2		Mandibular reference point 2 - Posterior - Suggestion: ma1 / ma2 should be placed on a line through spg
LeftMandibular RefLine			
MandibularRef1Left	ma1l		Left side landmarks
Maxilla			
Pterygomaxillare	pt	PNS	Intersection point of the nasal floor and posterior contour of the maxilla
Palation	pal		Point where the asi meets the palatal contour when ILs is rotated with center in isi
Subspinale	ss	A point	Posteriormost point of the anterior contour of the maxilla / the upper alveolar process
SpinalPoint	sp	ANS	Apex of anterior nasal spine
Maxillary ReferenceLine			
MaxillarRef1	mx1		Maxilla Reference point 1 - Anterior
MaxillarRef2	mx2		Maxilla Reference point 2 - Posterior - Suggestion: mx1 / mx2 should be placed on the line sp - sa
AnteriorMaxillaryReference			Automatically generated on <b>MS</b> and <b>BS</b> stages, should be registered on <b>PS, AS</b> and SS stages
AntMaxillarRef1	nl1		Surgical reference point defined as the posteriormost point of the anterior segment of the maxilla along <b>NL</b>
AntMaxillarRef2	nl2		Surgical reference point defined as the anteriormost point of the posterior part of the maxilla along <b>NL</b>
LeftMaxilla			
PterygomaxillareLeft	ptl		Left side landmark
LeftMaxillaryRefLine			
MaxillarRef1Left	mx1l		Left side landmarks

Complete Landmark Reference	European	USA	Definitions	
	notation	equivalent	Regimens: Standard (S), Blueprint (B), RightLeftFront (R), SurgArticPlanning (U), Snake(N) ->	SBRU
LowerIncisor				
IncisalInfIncisor	iii	LIE	Midpoint of the incisal edge of the most prominent lower incisor - Corresponds to the LowerArch ref1	
ApexInflncisor	aii		Apex of the lower incisor defined by the apex point of the tooth template	
LeftLowerIncisor				
IncisalInfIncisorLeft	iiil		Midpoint of the incisal edge of the lower left incisor	
ApexInflncisorLeft	aiil		Apex of the left lower incisor defined by the apex point of the tooth template	
LowerCanine				
CuspInfCanine	cic		Cusp tip of the lower canine	
ApexInfCanine	aic		Apex of the lower canine	
LowerMolar				
MesialInfMolar	mim		Mesial contact point of the (right/average) lower molar	
RootInfMolar	rim		Root point of the lower molar defined by the root point of the tooth template	
LeftLowerMolar				
MesialInfMolarLeft	miml		Left side landmark	
RootInfMolarLeft	riml		Left side landmark	
LowerDentitionReferences				
LowerDentitionRefPoint	idr		Point defining the position of the right side dorsal mandibular dentition on the X-Ray and the dental model	
LowerDentitionRefPointLeft	idrl		Point defining the position of the left side dorsal mandibular dentition on the X-Ray and the dental model	
UpperIncisor				
IncisalSupIncisor	isi	UIE	Midpoint of the incisal edge of the most prominent upper incisor - Corresponds to the UpperArch <b>ref1</b> point	
ApexSupIncisor	asi		Apex of the upper incisor defined by the apex point of the tooth template	
LeftUpperIncisor				
IncisalSupIncisorLeft	isil		Midpoint of the incisal edge of the left upper incisor	
ApexSupIncisorLeft	asil		Apex of the left upper incisor defined by the apex point of the tooth template	
UpperCanine			,	
CuspSupCanine	csc		Cusp tip of the upper canine	
ApexSupCanine	asc		Apex of the upper canine	
UpperBicuspid				
CuspSupBicuspid	csp		Cusp tip of the upper (second) bicuspid	
ApexSupBicuspid	asp		Apex of the upper (second) bicuspid	
UpperMolar	шор		, per or the apper (second) steaspid	
Mesial Sup Molar	msm		Mesial contact point of the (right/average) upper molar	
RootSupMolar	rsm		Root point of the upper molar defined by the root point of the tooth template	
LeftUpperMolar	.3111		near paint of the appearment defined by the root point of the tooth template	
MesialSupMolarLeft	msml		Left side landmark	
RootSupMolarLeft	rsml		Left side landmark	
UpperDentitionReferences	.3111		ECC SIGO MINISTRA	
UpperDentitionRefPoint	sdr		Point defining the position of the right side dorsal maxillary dentition on the X-Ray and the dental model	
UpperDentitionRefPointLeft	sdrl		Point defining the position of the left side dorsal maxillary dentition on the X-Ray and the dental model	
AnteriorOcclusalPlane	Juli		, our domains and position of the felt state dollar maximary deficition on the X-ray and the deficit model	
BicuspidOcclPoint	рор		Cusp tip of the first lower premolar	
LeftAnteriorOcclusalPlane	Pob		easp up of the mot lower premotal	

notation  ft sgs gs ns dn unt prn lint nst sn	equivalent	Regimens: Standard (S), Blueprint (B), RightLeftFront (R), SurgArticPlanning (U), Snake(N) - Frontal tangent point of NFL Deepest point of the soft tissue fossa supraglabellaris Anteriormost point of the soft tissue glabella Deepest point in the the soft tissue fronto-nasal curvature Point located at the greatest convexity or concavity of the dorsum nasi Nasal tangent point of NFL Prominentmost point on the apex of the nose	S B R U I
sgs gs ns dn unt prn Int		Deepest point of the soft tissue fossa supraglabellaris Anteriormost point of the soft tissue glabella Deepest point in the the soft tissue fronto-nasal curvature Point located at the greatest convexity or concavity of the dorsum nasi Nasal tangent point of NFL	
sgs gs ns dn unt prn Int		Deepest point of the soft tissue fossa supraglabellaris Anteriormost point of the soft tissue glabella Deepest point in the the soft tissue fronto-nasal curvature Point located at the greatest convexity or concavity of the dorsum nasi Nasal tangent point of NFL	
gs ns dn unt prn Int nst		Anteriormost point of the soft tissue glabella  Deepest point in the the soft tissue fronto-nasal curvature  Point located at the greatest convexity or concavity of the dorsum nasi  Nasal tangent point of NFL	
gs ns dn unt prn Int nst		Anteriormost point of the soft tissue glabella  Deepest point in the the soft tissue fronto-nasal curvature  Point located at the greatest convexity or concavity of the dorsum nasi  Nasal tangent point of NFL	
dn unt prn Int		Point located at the greatest convexity or concavity of the dorsum nasi Nasal tangent point of <b>NFL</b>	
unt prn Int nst		Point located at the greatest convexity or concavity of the dorsum nasi Nasal tangent point of <b>NFL</b>	
prn Int nst		Nasal tangent point of <b>NFL</b>	
Int nst		3 1	
nst		Trommentmost point on the apex of the mose	
		Nasal tangent point of NCL - E line	
sn		Anterior tangent point of the tangent to the nasal septum through <b>sn</b>	
		Deepest point of the naso-labial curvature	
SSS		Dorsalmost point of the upper lip contour	
pls		The prolabium border of the upper lip	
ls		· · · · · · · · · · · · · · · · · · ·	
lst			
sts			
col		The labial commissure	
sti		Most postero-superior point on the prolabium of the lower lip	
li		<u> </u>	
		· · · · ·	
llt			
sl		, , , , , , , , , , , , , , , , , , , ,	
J.		To the dividing the contact of section in the secti	
sms		Deenest point of the mento-labial sulcus	
		• •	
		• •	
		, , , , , , , , , , , , , , , , , , , ,	
		, , , , , , , , , , , , , , , , , , , ,	
51116		Coper point in the saurilland. Test tall test	
hv		Most antero-superior point of the body of the byoid hope	
,		most uncore superior point of the society of the right society	
tu		Posteriormost point of the maxillary turberosity	
		· · · · · ·	
uuL		To the de die shortest distance from pin de the pharyngen duction prominence	
ori			
σιρ			
oril			
-			
	ls lst sts col sti lit li pli llt	Is Is Ist Ist Ist Ist Ist Ist Ist Ist Is	Prominentmost point on the prolabium of the upper lip in relation to FAPS Ist Tangent point to the prolabium of a tangent parallel to the line Is - sts Most postero-inferior point of the prolabium of the upper lip  The labial commissure  Image to point to the prolabium of the lower lip Ist Tangent point to the prolabium of a tangent parallel to the line Ii - sti Image to point to the prolabium of a tangent parallel to the line Ii - sti Image to prominentmost point on the prolabium of the lower lip in relation to FAPS Ist The prolabium border of the lower lip in relation to FAPS Ist Superior tangent point to the lower lip through sms Ist Point dividing the curvature between IIt and sms  Deepest point of the mento-labial sulcus Tangent point to the anterior contour of the chin through ns Image to point to the anterior contour of the chin through ns Image to soft tissue point overlying pgn Soft tissue point overlying pgn Soft tissue point overlying gn Soft tissue point in the submental-neck curvature  Most antero-superior point of the body of the hyoid bone  The posteriormost point of the maxillary turberosity Point at the shortest distance from tu at the pharyngeal adenoid prominence  Point at the shortest distance from pm at the pharyngeal adenoid prominence  Point at the shortest distance from pm at the pharyngeal adenoid prominence  Point at the shortest distance from pm at the pharyngeal adenoid prominence

Complete Landmark Reference	European	USA	Definitions
Calculated Landmarks	notation	equivalent	
Teeth			
Infradentale	id		Most antero-superior point on the lower alveolar margin
Prosthion	pr		Most antero-inferior point on the upper alveolar margin
IdealIncisalContact	iic		Ideal contact point of iii on the lingual surface of the upper incisor
CuspLowerMolar	cim		Medial cusp tip of the lower molar
CuspUpperMolar	csm		Mesial cusp tip of the upper molar
Сизроррениона	CSITI		mesial casp up of the apper moun
Reference Lines			
TrueVerticalLine	VER		Line parallel line the anterior margin of the film - through re1 and re2
TrueHorizontalLine	HOR		Horizontal line based on the assumption that the film is registering the natural head balance
NI ' CHI'	NGI		
NasionSellaLine	NSL		Line through n(cbr1) and sa(cbr2)
CervicalVertebraeTangent	CVT		Line through sctg and fcip
OdontoidProcessTangent	OPT		Line through <b>sctg</b> and <b>scip</b>
RamusLineAr	RLar		Line through <b>ar</b> and <b>rli</b>
MandibularLine	ML		Line through <b>gn</b> and <b>mlp</b>
MandibularTangent	MT		Line through mla and mlp
MandibularBaseLine	MBLar		Line through <b>pgn</b> and <b>ar</b>
ChinLine	CL		Line through id and pg
ChinTangentLine	CTL		Line through sm and spg
NasalLine	NL		Line through <b>sp</b> and <b>pm</b>
F ' IDI	FAR		
FacialPlane	FAP		Line through <b>n</b> and <b>spg</b>
MaxillaryMandibularLine	MML		Line through <b>ss</b> and <b>pg</b>
MaxillaryMandibularBaseLine	MMBL		Line through <b>ss</b> and <b>sm</b>
FunctionalOcclusalPlane	Olf		Line through <b>pop</b> and <b>cim</b>
UpperOcclusalPlane	Ols		Line through isi and csm
LowerOcclusalPlane	Oli		Line through iii and cim
IncisalLineSuperior	ILIs		Line through <b>isi</b> and <b>asi</b>
IncisalLineInferior	ILi		Line through iii and aii
SoftTissueFacialPlane	FAPS		Line through <b>ns</b> and <b>pgs</b>
NoseFrontalLine	NFL		Line through <b>ft</b> and <b>unt</b>
NoseChinLine	NCL		Line through Int and ct
. 1000 C. MILITE	.,,,,		

Complete Landmark Reference	European	USA	Definitions
Frontal Landmarks	notation	equivalent	Regimens: Standard (S), Blueprint (B), RightLeftFront (R), SurgArticPlanning (U), Snake(N) -> SBRU
Symmetry Reference			
Reference1	ref1		Point above the orbitae reflecting the midsagittal axis of the anterio-posterior view
Reference2	ref2		Point below the chin reflecting the midsagittal axis of the anterio-posterior view
Calvarium			
ExternCranContFron1	eccf1		Intersection of radius 1 and the external contour of the calvarium - nine o'clock
ExternCranContFron10	eccf10		Intersection of radius 10 and the external contour of the calvarium - ten thirty
ExternCranContFron19	eccf19		Intersection of radius 19 and the external contour of the calvarium - tvelwe o'clock
ExternCranContFron28	eccf28		Intersection of radius 28 and the external contour of the calvarium - two thirty
ExternCranContFron37	eccf37		Intersection of radius 37 and the external contour of the calvarium - three o'clock
Orbitae			
LatOrbit	lo		Intersection of the inominate line and the orbital margin on the right side
LatOrbitLeft	lol		Intersection of the inominate line and the orbital margin on the left side
MedOrbit	mo		Point on the medial contour of the orbital margin of the right side that is closest to the median plane
MedOrbitLeft	mol		Point on the medial contour of the orbital margin of the left side that is closest to the median plane
Zygomae			
ZygomalArch	zal		The lateralmost point of the zygomatic arch on the right side
ZygomalArchLeft	zal		The lateralmost point of the zygomatic arch on the left side
Cavum Nasi			
CavumNasi	cn		The lateralmost point of the bony nasal cavity on the right side
CavumNasiLeft	cnl		The lateralmost point of the bony nasal cavity on the left side
Maxilla			
SpinalPointFron	spf		Midpoint of the Maxilla located at the anterior nasal spine
EctoMaxil	em		Point located on the lateral contour of the maxilla on the right side that is closest to the median plane
EctoMaxilLeft	eml		Point located on the lateral contour of the maxilla on the left side that is closest to the median plane
Mandible			
Mastoidale	ms		Inferiormost point on the mastoid process on the right side
MastoidaleLeft	msl		Inferiormost point on the mastoid process on the left side
AntegonionFron	agf		Superiormost point of the antegonial notch on the right side of the mandible
AntegonionFronLeft	agfl		Superiormost point of the antegonial notch on the left side of the mandible
GnathionFron	gnf		Midpoint of the mandible located by projecting the mental spine to the lower border of the mandible
UpperIncisors			
MesSupIncFron	msif		Mesial contact point of the upper right central incisor
ApexSupIncFron	asif		Apex of the upper right central incisor
MesSupIncFronLeft	msifl		Mesial contact point of the upper left central incisor
ApexSupIncFronLeft	asifl		Apex of the upper left central incisor
UpperMolars			
CuspSupMolFron	csmf		Buccal cusp tip of the upper right first molar.
RootSupMolFron	rsmf		Point at the level of the root of the upper right first molar reflecting the tooth axis inclination
CuspSupMolFronLeft	csmfl		Buccal cusp tip of the upper left first molar.
RootSupMolFronLeft	rsmfl		Point at thelevel of thr root of the upper left first molar reflecting the tooth axis inclination

Complete Landmark Reference	European	USA	Definitions
Frontal Landmarks	notation	equivalent	Regimens: Standard (S), Blueprint (B), RightLeftFront (R), SurgArticPlanning (U), Snake(N) ->   S B R U N
LowerIncisors			
MesInfIncFron	miif		Mesial contact point of the lower right central incisor
ApexInflncFron	aiif		Apex of the lower right central incisor
MesInfIncFronLeft	miifl		Mesial contact point of the lower left central incisor
ApexInflncFronLeft	aiifl		Apex of the lower left central incisor
LowerMolars			
CuspInfMolFron	cimf		Buccal cusp tip of the lower right first molar.
RootInfMolFron	rimf		Point at the root level of the lower right first molar reflecting the tooth axis inclination
CuspInfMolFronLeft	cimfl		Buccal cusp tip of the lower left first molar.
RootInfMolFronLeft	rimfl		Point at the level of the root of the lower left first molar reflecting the tooth axis inclination
Complete Landmark Reference	European	USA	Definitions
Calculated Landmarks			
Orbitae			
OrbitalCenter	lom		The center point of the line connecting <b>lo</b> and <b>lol</b>
UpperIncisors			
IncisalSupIncFron	isif		Midpoint of the incisal edge of the upper right central incisor
IncisalSupIncFronLeft	isifl		Midpoint of the incisal edge of the upper left central incisor
LowerIncisors			
IncisalInfIncFron	iiif		Midpoint of the incisal edge of the lower right central incisor
IncisalInfIncFronLeft	iiifl		Midpoint of the incisal edge of the lower left central incisor
Complete Landmark Reference	European	USA	Definitions
Reference Lines			
SymmetryAxisLine	SAL		Line through ref1 and ref2
SymmetryHorizontalLine	SHL		Line through <b>ref1</b> perpendicular on <b>SAL</b>
OrbitalLine	ORL		Line through <b>lo</b> and <b>lol</b>
MaxillaryMandibularLineFron	MMLf		Line through <b>spf</b> and <b>gnf</b>
IncisalLineSupFron	ILsf		Line through isif and asif
IncisalLineInfFron	ILif		Line through iiif and aiif
IIICISAILIIIEIIIII TOIT	ILII		Line anough in and an

Complete Landmark Reference	European	USA	Definitions
Lower Arch Landmarks	notation	equivalent	Regimens: Standard (S), Blueprint (B), RightLeftFront (R), SurgArticPlanning (U), Snake(N) -> SBR
Symmetry Axis			
Reference1	ref1		Point on the symmetry axis at the level of the incisal edge of the incisors - Corresponds to iii
Reference2	ref2		Point on the symmetry axis just behind the last molar
LeftFirstMolar			
l6distal	l6d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left first molar
l6buccal	l6b		Buccalmost point at the buccal fissure location of the left first molar
l6mesial	l6m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left first molar
l6lingual	161		Lingualmost point at the lingual fissure location of the left first molar
L6Cusp	L6C		Medial cusp tip of the left first molar - Corresponds to L6F on the left upper first molar
LeftMolarArchPoint			
LMMesArch	LMM		Point defining the perimeter arch just mesial to the left first molar - Corresponds to I6m, when molar in arch
LeftSecondPremolar			
I5distal	l5d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left second premolar
I5mesial	I5m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left second premolar
LeftFirstPremolar			
l4distal	l4d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left first premolar
l4mesial	l4m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left first premolar
LeftPremolarContact			
LPCusp	LPC		Cusp tip of the left first premolar - Corresponds to LPF on the left upper first premolar
LeftCanine			
l3distal	l3d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left canine
l3buccal	l3b		Buccalmost point of the left canine
l3mesial	I3m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left canine
3lingual	131		Lingualmost point the left canine
L3Cusp	L3C		Cusp tip of the left canine
LeftCanineArchPoint			
LCMesArch	LCM		Point defining the perimeter arch just mesial to the left canine - Corresponds to I3m, when canine in arch
LeftSecondIncisor			
12distal	I2d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left lateral incisor
I2mesial	I2m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left lateral incisor
LeftFirstIncisor			
l1distal	l1d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left central incisor
l1buccal	l1b		Buccalmost point of the left central incisor
l1mesial	l1m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left central incisor
l1lingual	I1I		Lingualmost point the left central incisor
ArchCenterPoint			
ArchMidline	LIM		The midpoint of the perimeter arch placed on the symmetry axis at the level at the incisor contact points
RightFirstIncisor			
r1mesial	r1m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right central incisor
r1buccal	r1b		Buccalmost point of the right central incisor
r1distal	r1d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right central incisor
r1lingual	r1l		Lingualmost point the right central incisor

Complete Landmark Reference	European	USA	Definitions
Lower Arch Landmarks	notation	equivalent	Regimens: Standard (S), Blueprint (B), RightLeftFront (R), SurgArticPlanning (U), Snake(N) ->  S B R U
RightSecondIncisor			
r2mesial	r2m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right lateral incisor
r2distal	r2d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right lateral incisor
RightCanineArchPoint			
RCMesArch	RCM		Point defining the perimeter arch just mesial to the right canine - Corresponds to <b>r3m</b> , when canine in arch
RightCanine			
r3mesial	r3m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right canine
r3buccal	r3b		Buccalmost point of the right canine
r3distal	r3d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right canine
r3lingual	r3l		Lingualmost point the right canine
R3Cusp	R3C		Cusp tip of the right canine
RightPremolarContact			
RPCusp	RPC		Cusp tip of the right first premolar - Corresponds to RPF on the right upper first bicuspid
RightFirstPremolar			
r4mesial	r4m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right first premolar
r4distal	r4d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right first premolar
RightSecondPremolar			
r5mesial	r5m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right second premolar
r5distal	r5d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right second premolar
RightMolarArchPoint			
RMMesArch	RMM		Point defining the perimeter arch just mesial to the right first molar-Corresponds to <b>r6m</b> , when molar in arch
RightFirstMolar			
r6mesial	r6m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right first molar
r6buccal	r6b		Buccalmost point at the buccal fissure location of the right first molar
r6distal	r6d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right first molar
r6lingual	r6l		Lingualmost point at the lingual fissure location of the right first molar
R6Cusp	R6C		Medial cusp tip of the right first molar - Corresponds to R6F on the right upper first molar
Complete Landmark Reference	European	USA	Definitions
Reference Lines			
SymmetryAxisLine	SAL		Line through ref1 and ref2

Complete Landmark Reference	European	USA	Definitions
Upper Arch Landmarks	notation	equivalent	Regimens: Standard (\$), Blueprint (\$), RightLeftFront (\$\mathbf{R}\$), SurgArticPlanning (\$\mathbf{U}\$), Snake(\$\mathbf{N}\$) -> \$\mathbf{B}_{\mathbf{R}} \mathbf{U}
Symmetry Axis			
Reference1	ref1		Point on the symmetry axis at the level of the incisal edge of the incisors - Corresponds to isi
Reference2	ref2		Point on the symmetry axis just behind the last molar
RightFirstMolar			<b>- 1</b>
r6distal	r6d		Distal point at the maximum diameter parallel to the mesio-distal axis of the right first molar
r6buccal	r6b		Buccalmost point at the buccal fissure location of the right first molar
r6mesial	r6m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right first molar
r6lingual	r6l		Lingualmost point at the lingual fissure location of the right first molar
R6Fossa	L6F		The central fossa of the right first molar - Corresponds to <b>R6C</b> on the right lower first molar
RightMolarArchPoint			
RMMesArch	RMM		Point defining the arch perimeter just mesial to the right first molar - Corresponds to <b>r6m</b> of an aligned molar
RightSecondPremolar			
r5distal	r5d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right second premolar
r5mesial	r5m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right second premolar
RightFirstPremolar			
r4distal	r4d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right first premolar
r4mesial	r4m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right first premolar
RightPremolarContact			
RPCrista	RPF		The midpoint of the mesial crista of the right first premolar - Corresponds to RPC on the lower first premolar
RightCanine			
r3distal	r3d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right canine
r3buccal	r3b		Buccalmost point of the right canine
r3mesial	r3m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right canine
r3lingual	r3l		Lingualmost point the right canine
R3Cusp	R3C		Cusp tip of the right canine
RightCanineArchPoint			
RLCMesArch	RCM		Point defining the perimeter arch just mesial to the right canine - Corresponds to <b>r3m</b> , when canine is in arch
RightSecondIncisor			
r2distal	r2d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right second incisor
r2mesial	r2m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right second incisor
RightFirstIncisor			
r1distal	r1d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the right first incisor
r1buccal	r1b		Buccalmost point of the right first incisor
r1mesial	r1m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the right first incisor
r1lingual	r1l		Lingualmost point the right first incisor
ArchCenterPoint			
ArchMidline	LIM		The midpoint of the perimeter arch placed on the symmetry axis at the level at the incisor contact points
LeftFirstIncisor			
I1mesial	l1m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left first incisor
l1buccal	l1b		Buccalmost point of the left first incisor
l1distal	l1d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left first incisor
l1lingual	111		Lingualmost point the left first incisor

Complete Landmark Reference	European	USA	Definitions	
Upper Arch Landmarks	notation	equivalent	Regimens: Standard (S), Blueprint (B), RightLeftFront (R), SurgArticPlanning (U), Snake(N) ->	SBRUI
LeftSecondIncisor				
I2mesial	I2m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left lateral incisor	
I2distal	I2d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left lateral incisor	
LeftCanineArchPoint				
LCMesArch	LCM		Point defining the perimeter arch just mesial to the left canine - Corresponds to 13m, when canine is in arch	$\Pi\Pi\Pi$
LeftCanine				
I3mesial	I3m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left canine	
l3buccal	l3b		Buccalmost point of the left canine	
l3distal	I3d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left canine	
3  ingual	131		Lingualmost point the left canine	
L3Cusp	L3C		Cusp tip of the left canine	
LeftPremolarContact				
LPCrista	LPF		The midpoint of the mesial crista of the left first premolar - Corresponds to RPC on the lower first premolar	
LeftFirstPremolar				
l4mesial	l4m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left first premolar	
l4distal	l4d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left first premolar	
LeftSecondPremolar				
I5mesial	I5m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left second premolar	
I5distal	I5d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left second premolar	
LeftMolarArchPoint				
LMMesArch	LMM		Point defining the perimeter arch just mesial to the left first molar - Corresponds to <b>16m</b> , when molar is in arch	
LeftFirstMolar				
I6mesial	l6m		Mesial point at the maximum diameter that is parallel to the mesio-distal axis of the left first molar	
l6buccal	16b		Buccalmost point at the buccal fissure location of the left first molar	
l6distal	l6d		Distal point at the maximum diameter that is parallel to the mesio-distal axis of the left first molar	
I6lingual	161		Lingualmost point at the lingual fissure location of the left first molar	
L6Fossa	L6F		The central fossa of the left first molar - Corresponds to <b>L6C</b> on the left lower first molar	
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Complete Landmark Reference	European	USA	Definitions	
Reference Lines				
SymmetryAxisLine	SAL		Line through ref1 and ref2	