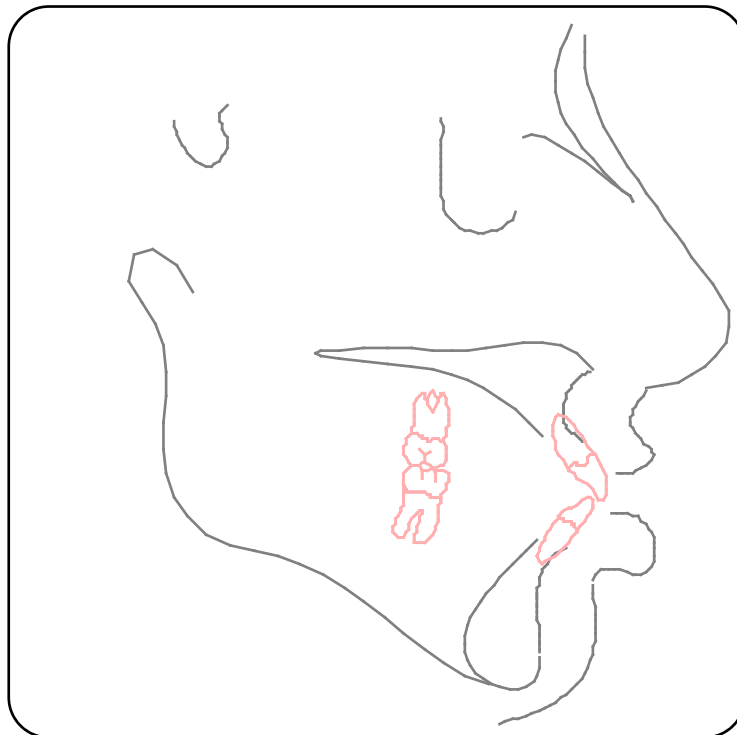


cephX Analysis



Doctor:Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Demo Patient



Orthodontist....Dr. Zeev Abraham

Patient Age.....16

Patient Gender.....Female

Date Of Analysis....12-Nov-2009

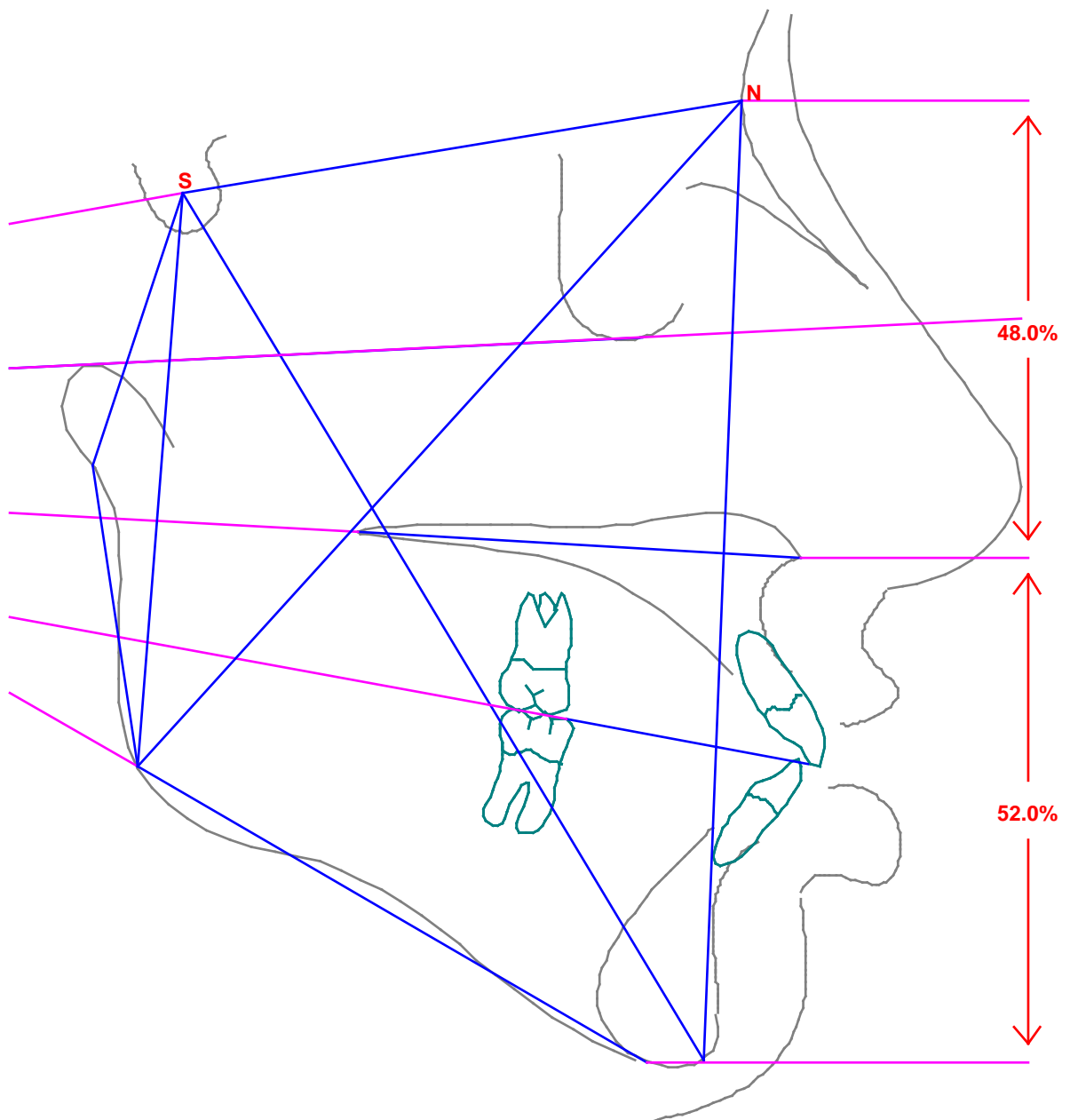
Patient ID.....100362

Bjork-Jarabak Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
SADDLE ANGLE	N-S-Ar	Deg	123.0	4.0	117.86	-(*)+	Narrow angle
ARTICULAR ANGLE	S-Ar-Go	Deg	143.0	5.0	153.05	-(*)+	Strong Gonion
GONIAL ANGLE	Ar-Go-Gn	Deg	130.0	5.0	125.95	-(*)+	
SUM OF ANGLES		Deg	396.0	20.0	396.86	-(*)+	
UPPER GONIAL ANGLE	Ar-Go-N	Deg	53.0	2.0	50.79	-(*)+	
LOWER GONIAL ANGLE	N-Go-Gn	Deg	73.0	3.0	75.16	-(*)+	
ANT. CRANIAL BASE	N-S	mm	71.0	10.0	96.78	-(*)+	
POST. CRANIAL BASE	S-Ar	mm	32.0	5.0	48.64	-(*)+	
RAMUS HEIGHT	Ar-Go	mm	44.0	5.0	52.01	-(*)+	
MANDIBULAR BODY	Go-Gn	mm	71.0	8.0	108.35	-(*)+	
POST. FACE HEIGHT	S-Go	mm			97.88	-()+	
ANT. FACE HEIGHTL	N-Gn	mm			163.53	-()+	
PFH:AFH		%	61.0	2.0	59.45	-(*)+	
ACB:MAND.BODY		%	1:1		0.89	-()+	
UI to SN		Deg	103.0	4.0	110.04	-(*)+	Upper incisor too protruded
UI to FH		Deg	100.0	5.0	116.85	-(*)+	Upper incisor proclined forward
UPPER FACE HEIGHT	N-ANS	%	45	3.0	48.0	-(*)+	
LOWER FACE HEIGHT	ANS-Gn	%	55.0	3.0	53.29	-(*)+	



Burlington/Woodside Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Norms - Female (Age = 16)

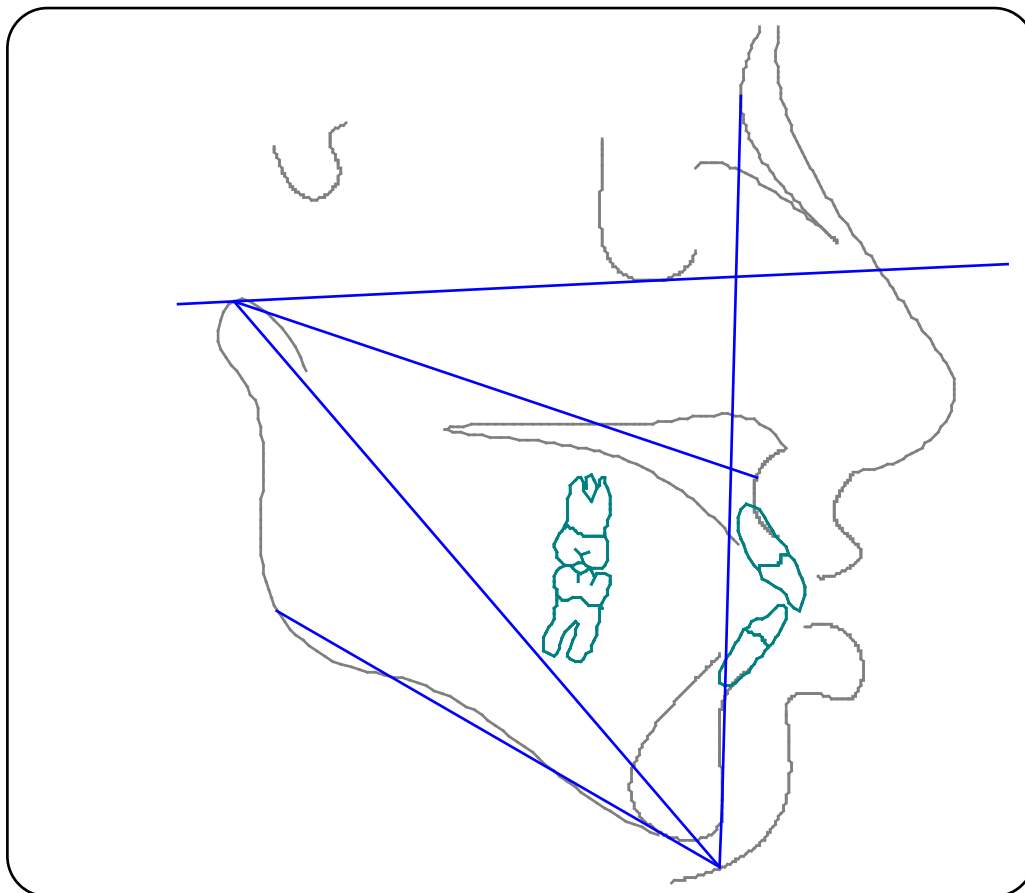
AGE	9	12	14	16	18	20
MAX MAND DIFFERENCE	15.0	22.9	25.7	26.8	27.8	26.1
LOW ANT.FACE HEIGHT	61.2	63.4	66.2	66.6	68.5	66.7

Analysis Measurements

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
Mandibular length		mm	114.0	5.0	158.61	-(*)+	
Maxillary length		mm	114.0	5.0	126.73	-(*)+	
Mdb-Mx difference		mm			31.88	-()+	
LOWER FACE HEIGHT	ANS-Gn	%	55.0	3.0	53.29	-(*)+	
UPPER FACE HEIGHT		mm			78.64	-()+	
TOTAL FACE HEIGHT		mm			168.37	-()+	
RATIO		%	55.0	3.0	53.29	-(*)+	
UI TO UPPER LIP VERT.		mm	2.0	1.0	7.4	-(*)+	
RICKETTS GROWTH AXIS		Deg	90.0	4.0	86.11	-(*)+	
N-VERT FH -A		mm	0.0	2.0	-0.59	-(*)+	
N - VERT FH UPPER INC		mm	5.0	2.0	7.54	-(*)+	Protruded Upper Incisor

*** EXTREMELY LARGE FACE HEIGHT ***

MAND - MAX DIFF TOO LARGE

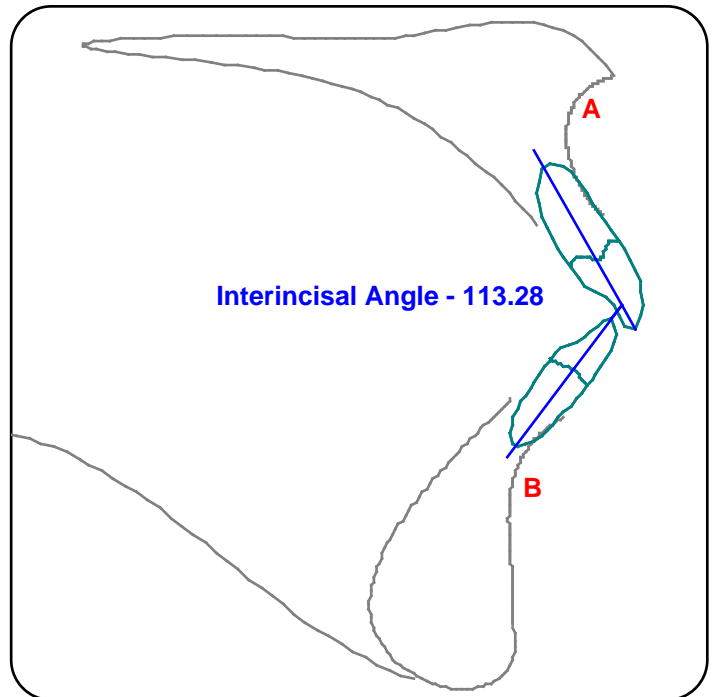
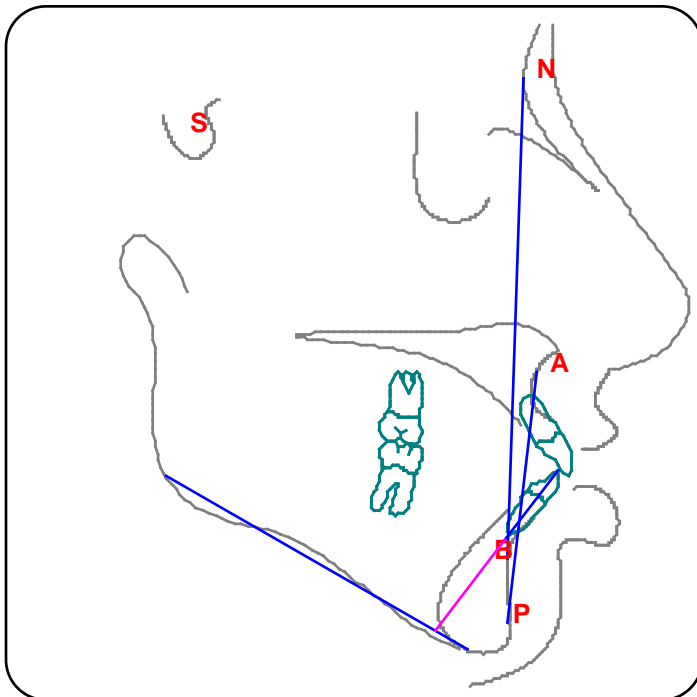


Dental Alveolar - Lower Incisor



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
LOWER I TO NB		Deg	22.0	4.0	35.07	-(*)+	lower incisor proclined forward
LOWER I TO NB		mm	4.0	2.0	13.5	-(*)+	lower incisor proclined forward
LOWER I TO A/P LINE		mm	0.0	2.0	9.19	-(*)+	lower incisor proclined forward
LOWER I TO GOGN		Deg	90.0	5.0	97.04	-(*)+	lower incisor proclined forward
Interincisal Angle	/1 to 1/	Deg	131.0	5.0	113.28	-(*)+	Protruded Incisor relationship

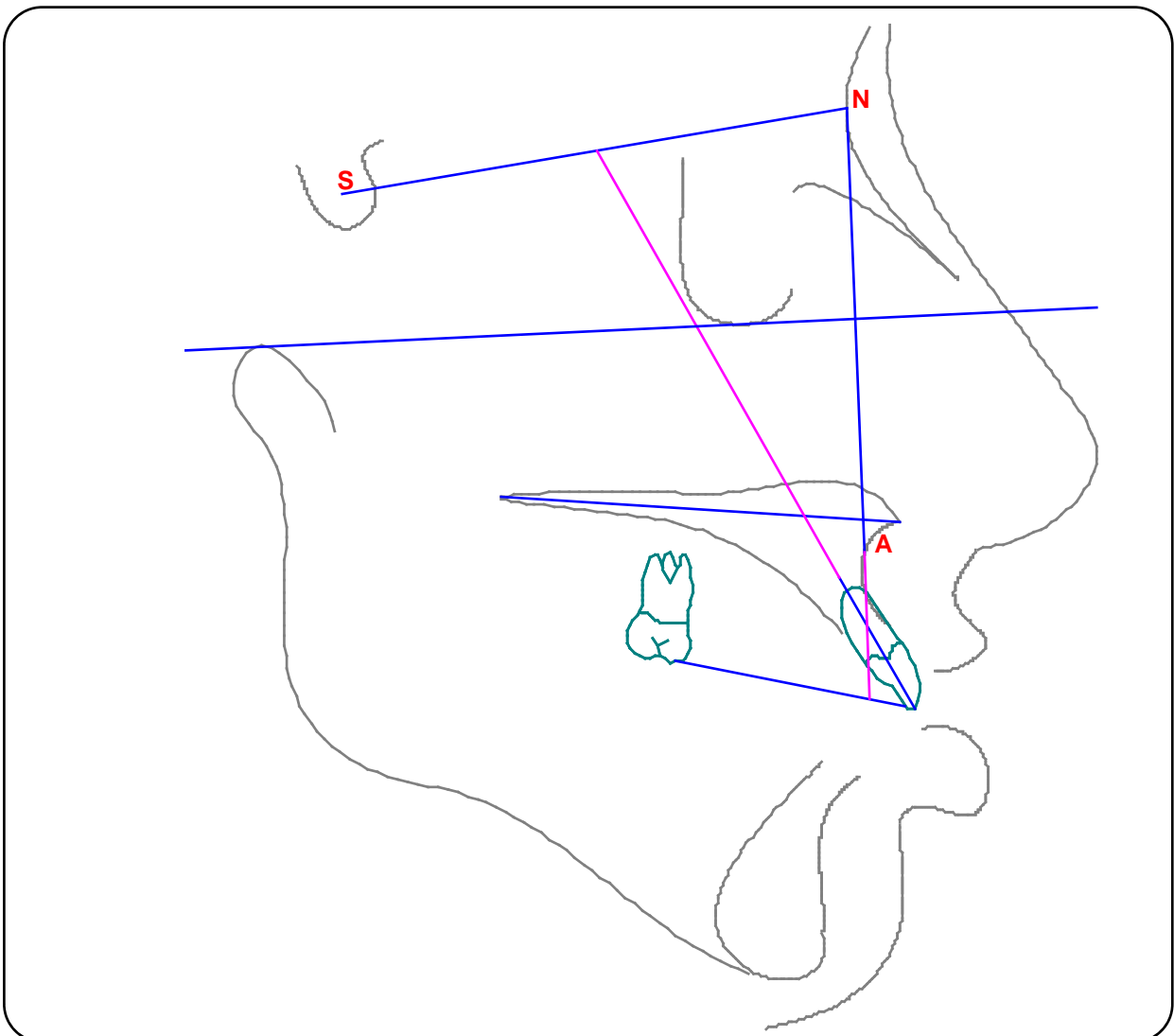


Dental Alveolar - Upper Incisor



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph	Comment
UPPER I TO SN	Deg	103.0	4.0	110.04	-(*)+	Upper incisor proclined forward
UPPER I TO FRANKFORT	Deg	100.0	5.0	116.85	-(*)+	Upper incisor proclined forward
UPPER I TO PAL/PL	Deg	110.0	5.0	122.94	-(*)+	Upper incisor proclined forward
UPPER I TO NA ANGLE	Deg	24.0	4.0	27.26	-(*)+	
UPPER I TO A/P LINE	mm	6.0	3.0	12.81	-(*)+	Upper incisor proclined forward
UPPER I TO NA (MM)	mm	4.0	2.0	8.35	-(*)+	Upper incisor proclined forward

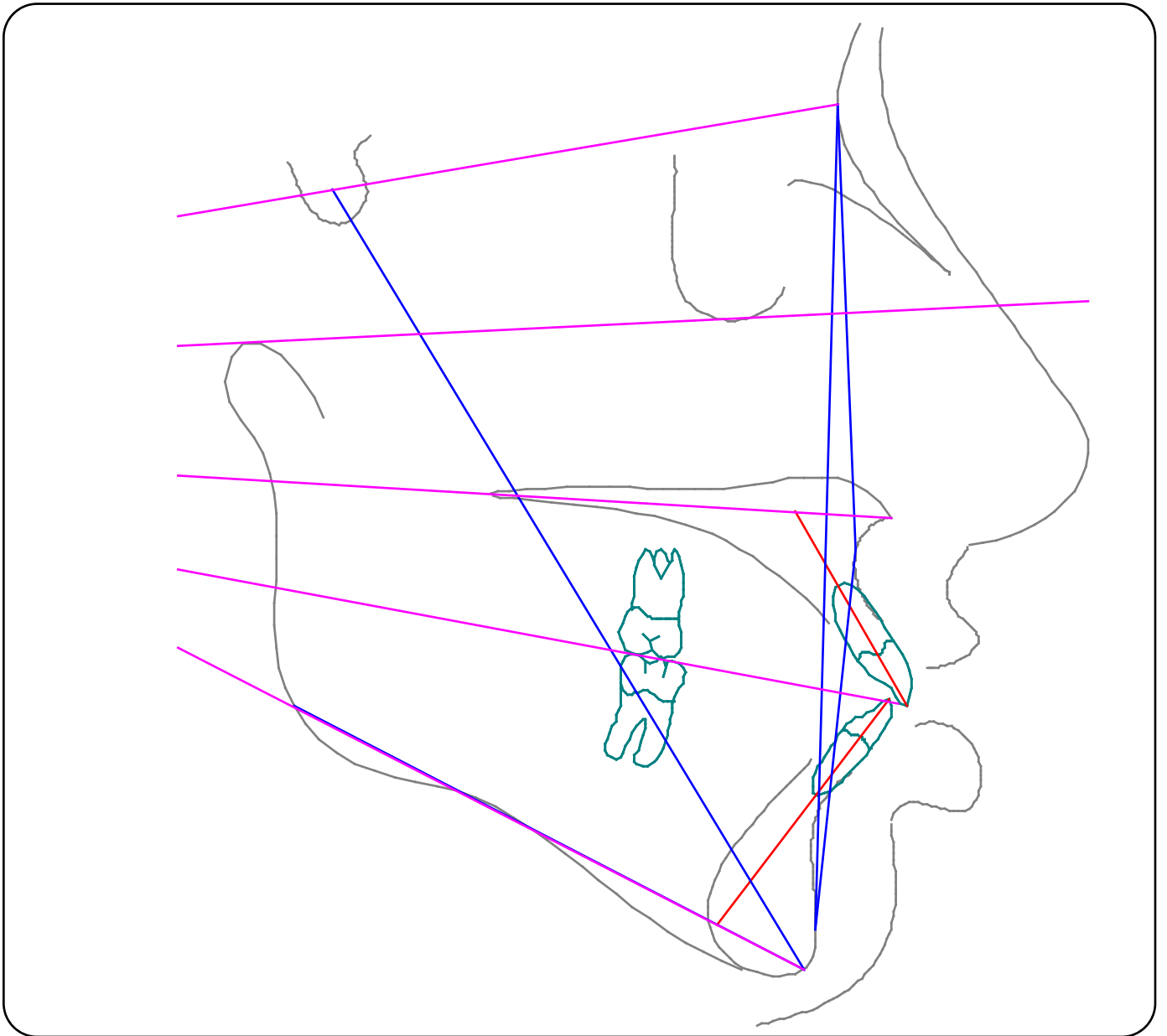


Downs Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
SKELETAL							
FACIAL ANGLE	FH-N-Pog	Deg	87.8	3.6	85.61	-(*)+	
ANGLE CONVEXITY (DOWNS)		Deg	180.0	5.0	171.4	-(*)+	Maxilla forward to mandible (Convex)
A-B PLANE	A-B TO FACE PL	Deg	4.6	3.7	7.18	-(*)+	
MAND. PLANE	FH-GoGn	Deg	28.0	3.0	30.06	-(*)+	
Y AXIS	FH to S-Gn	Deg	59.4	3.8	61.66	-(*)+	
DENTAL							
OCCLUSAL PLANE	FH to Occ PL	Deg	9.3	3.8	13.21	-(*)+	
UI to LI		Deg	131.0	5.0	113.28	-(*)+	Incisors too protrusive
LI to Occ PL.		Deg			63.36	-()+	
LI to MAND		Deg	90.0	3.7	97.04	-(*)+	Lower Incisor too protruded
UI to A-Pog		mm	2.7	3.1	12.81	-(*)+	Upper Incisor Protruded

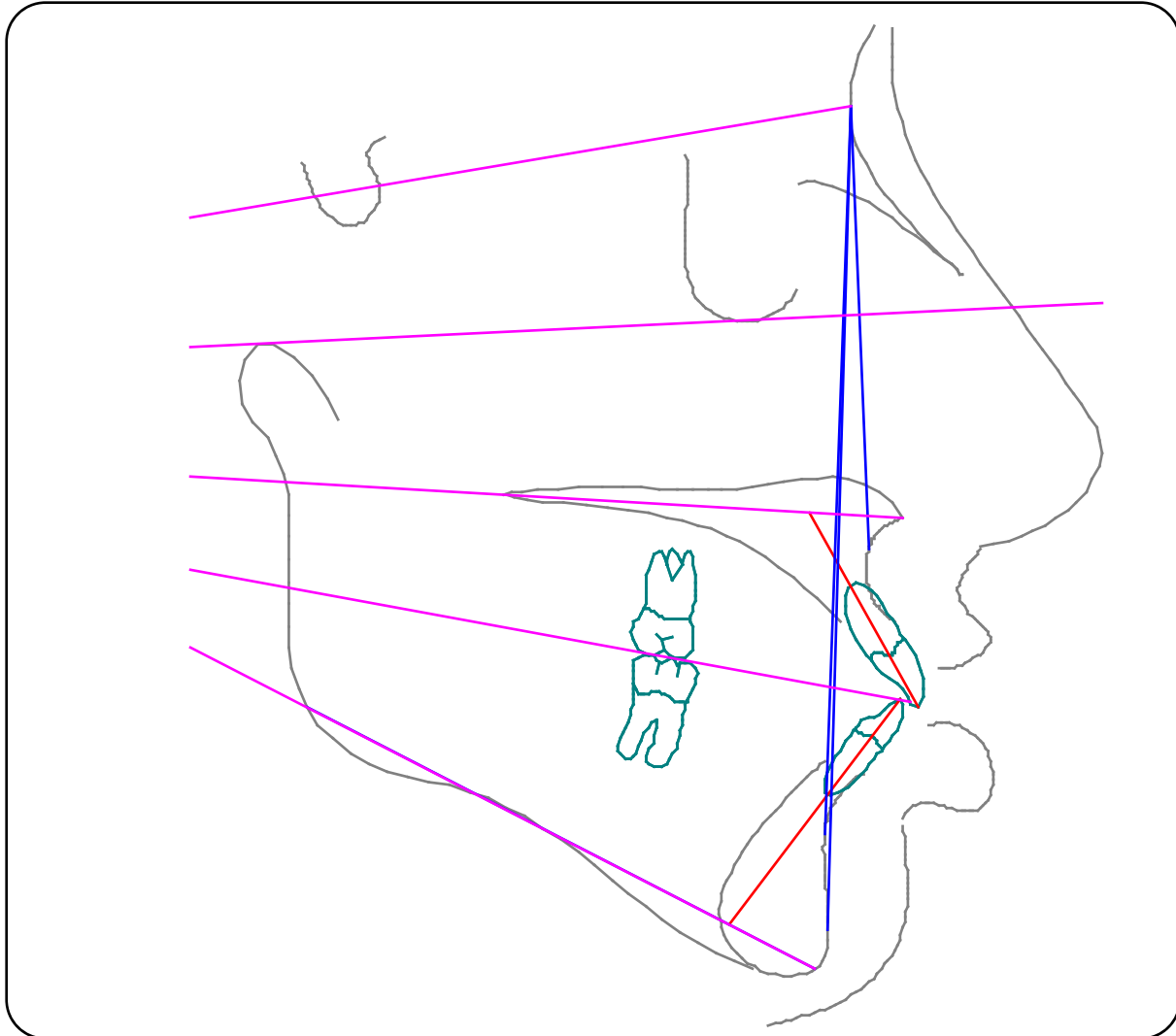


Biodynamic Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph	Comment
BASAL - Cranial Base Form						
SN-BASION	Deg	131.0	4.0	123.43	-(*)+	Narrow saddle angle
SN-AR	Deg	124.0	4.0	117.86	-(*)+	Narrow angle
SAGITTAL - Jaw Position						
SNA	Deg	82.0	2.0	82.78	-(*)+	
SN-Pg	Deg	80.0	5.0	78.81	-(*)+	
AN-Pg	Deg	2.0	3.0	3.97	-(*)+	
SAGITTAL - Apical Base Position						
SNA	Deg	82.0	2.0	82.78	-(*)+	
SNB	Deg	79.0	2.0	78.41	-(*)+	
ANB	Deg	3.0	2.0	4.37	-(*)+	
SAGITTAL - Dento-Basal Relations						
Pr-N-A	Deg	2.0		2.48	-()+	
UI-PAL.PLANE	Deg	110.0	5.0	122.94	-(*)+	Upper incisor proclined forward
UI-NA	mm	4.0	2.0	8.35	-(*)+	Upper incisor protruded
GoGn-CI	Deg	70.0	4.0	75.95	-(*)+	
LI-GoGn	Deg	94.0	5.0	97.04	-(*)+	
LI-NB	mm	4.0	2.0	13.5	-(*)+	Lower Incisor Protruded
Pg-NB	mm			1.07	-()+	
VERTICAL - Jaw Position						
SN-GoGn	Deg	33.0	4.0	39.61	-(*)+	High angle
Pal-Mand Angle	Deg	25.0	3.0	26.71	-(*)+	
SN-PAL.PLANE	Deg	7.0	3.0	12.89	-(*)+	
DENTAL - BASAL RELATIONS						
Mx Base-Occ Pl. (PP-OP)	Deg	10.0	5.0	7.12	-(*)+	
Mand Pl. to Occ Pl.	Deg	20.0	5.0	19.58	-(*)+	

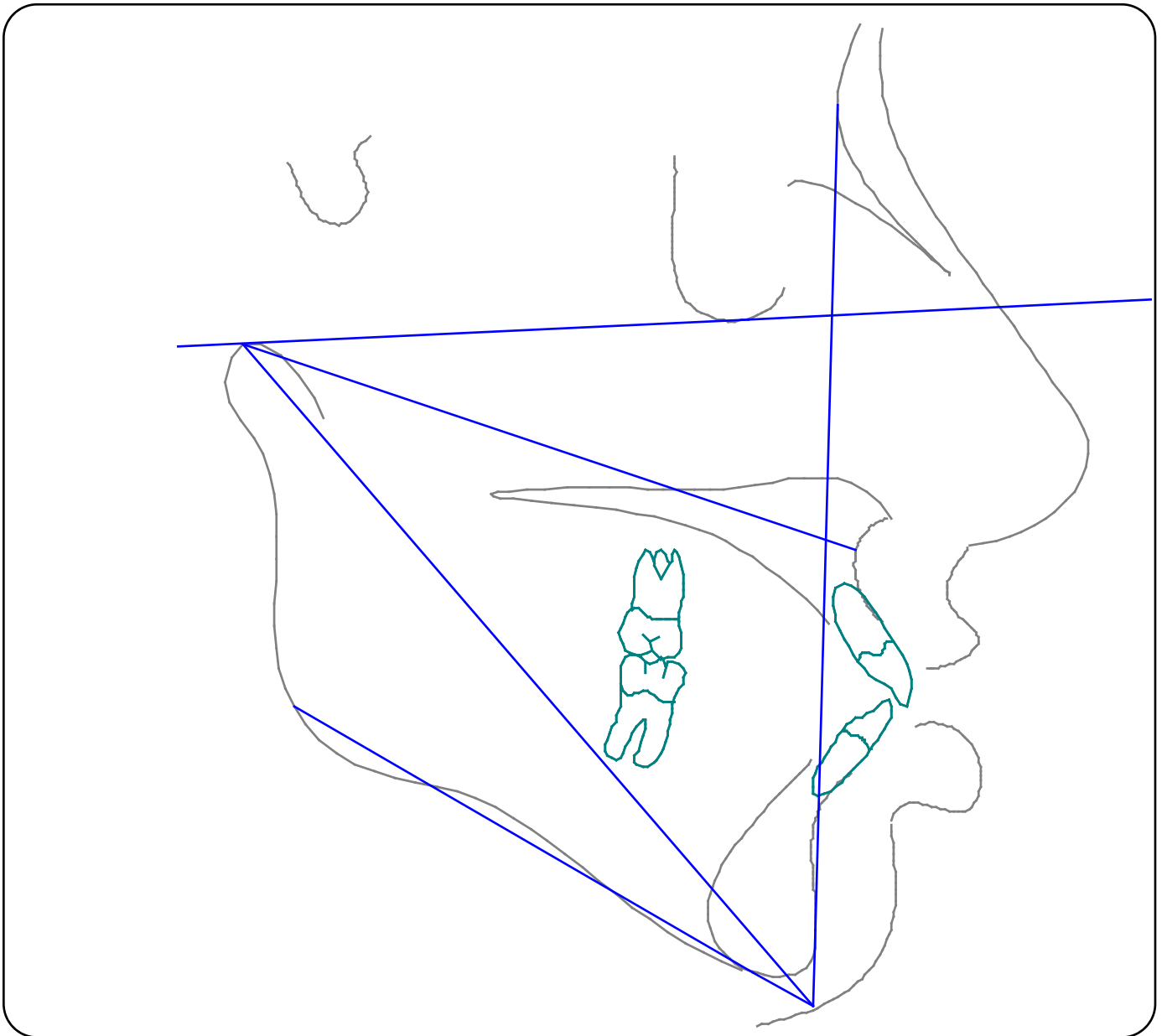


McNamara Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
MAXILLARY SKELETAL	A to Na Perp	mm	1.0	2.0	-0.59	-(*)+	
MAXILLARY DENTAL	UI to A Perp	mm	3.5	1.4	8.35	-(*)+	Upper Incisor Protruded
MANDIBULAR SKELETAL	Pog to Na Perp	mm	-7.0	4.4	-11.93	-(*)+	Mandible Retrognathic
MANDIBULAR DENTAL	LI to APo	mm	1.5	1.5	9.19	-(*)+	Lower Incisor Protruded
EFF.MAND.LENGTH	CD to Gn	mm	114.0	4.3	150.14	-(*)+	Gender/Age related
EFF.MIDFACIAL.LENGTH	CD to A pt	mm	85.0	4.8	116.48	-(*)+	Gender/age related
MAND - MAX DIFF		mm	22.0	3.1	33.66	-(*)+	Gender/Age related
LOW.ANT.FACE.HEIGHT	ANS to Me	mm	60.0	3.8	89.73	-(*)+	
MAND PLANE ANGLE	FH to GoGn	Deg	28.0	3.0	30.06	-(*)+	
GROWTH AXIS	BA:NA to PTV:Gn	Deg	90.0	2.6	86.11	-(*)+	Forward growth

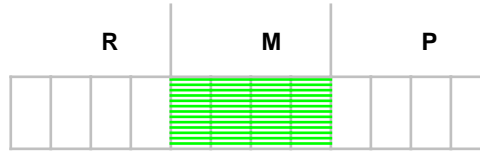


Owen Block Analysis



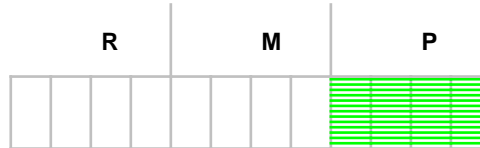
Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

1. Maxillary Skeletal



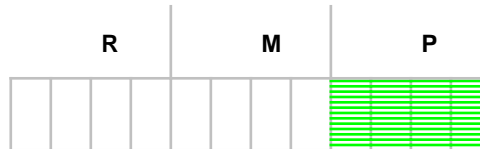
SNA	80<82<84	83	0 MESIOGNATHIC
N-VERT-A mm	-2<0<2	-1	0 MESIOGNATHIC
NASOLABIAL ANGLE	113>105>97	97	0 MESIOGNATHIC
U / LIP - SUBNASALE	1>2>3	2	0 MESIOGNATHIC

2. Maxillary Dental



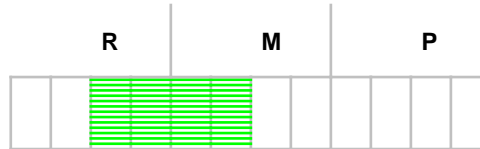
U/1 TO SN	100<104<108	110	1 PROCLINED
U/1 TO PAL/PL	105<110<115	123	2 PROCLINED
U/1 TO NA(DEG)	18<22<26	27	1 PROCLINED
U/1 TO NA(mm)	2<4<6	8	1 PROCLINED
U/LIP DRAPE	92<97<102	93	0 MESIOCLINED

3. Mandibular Dental



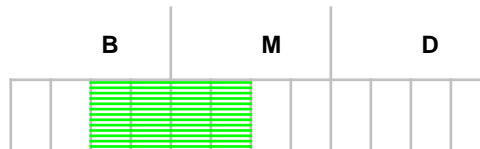
IMPA	90<95<100	97	0 MESIOCLINED
LOWER I TO NB(DEG)	21<25<29	35	2 PROCLINED
LOWER I TO NB(mm)	2<4<6	14	4 PROCLINED
LOWER I TO A/P(mm)	0<2<4	9	3 PROCLINED
HALF STEINER (mm)	-5<0<5	11	2 PROCLINED

4. Mandibular Skeletal



SNB ANGLE	78<80<82	78	0 MESIOGNATHIC
FACIAL ANGLE(DOWNS)	86<89<92	86	0 MESIOGNATHIC
NA VERT TO PO (mm)	-9<-6<-3	-12	1 RETROGNATHIC
E ANGLE	68<72<76	65	1 RETROGNATHIC

5. Vertical



GOGN-SN	28<32<36	40	1 DOLICHIFACIAL
OM ANGLE	15<20<25	20	0 MESIOFACIAL
Y AXIS	64<67<70	68	0 MESIOFACIAL
JARABAK S-GO:N-ME	62<64<66 %	59	2 BRACHYFACIAL
ANT FACE HT(N-ANS-ME)	55% +-2	52	1 BRACHYFACIAL

P.O.S Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Skeletal

Descriptor	Measurement	Mean	SD	Patient
Palatal Plane to Mand Plane: Skeletal Open/Close	ANS-PNS to Mand Plane	28	25 to 33	26.71
Mand.Plane Angle - Hi/Lo Angle	9Y FMA / Adult FMA	26 / 22	20 to 30 / 17 to 28	30.06
Y-Axis-Vert/Hor.Growth	Sgn - FH	59.4	53 to 66	61.66
Maxilla to Cranium N_ _Reference at Pognion	N_ _A	1	-2 to +4	-0.59
Maxilla to Cranium	SNA	81	75 to 87	82.78
Mandible to Cranium: N_ _Reference at Pognion	N_ _Po	9yr-7mm/adult-1mm	-11 to -4 / +2 to +4	-11.93
Mandible to Cranium	SNB	80	77 to 83	78.41
Maxilla to Mandible	ANB	2	0 to 5	4.37
Wits	AB_ _Occlusal Plane	0	-1 to +2	-1.54

Dental

Descriptor	Measurement	Mean	SD	Patient
Interincisal Angle	/1 to 1/	135	124 to 150	113.28
Lower incisor inclination	/1 to MP	92	84 to 99	97.04
Lower incisor Position	/1 to NB	4	0 to 8	13.5
Lower incisor Position	/1 to Apo	2	-1 to +6	9.19
Upper incisor inclination	1/to SN	103	92 to 114	110.04
Upper incisor Protrusion	1/to Apo	5	1 to 7	12.81
Upper incisor Protrusion	1/to A vertical to FH	4	1 to 7	8.14

Facial

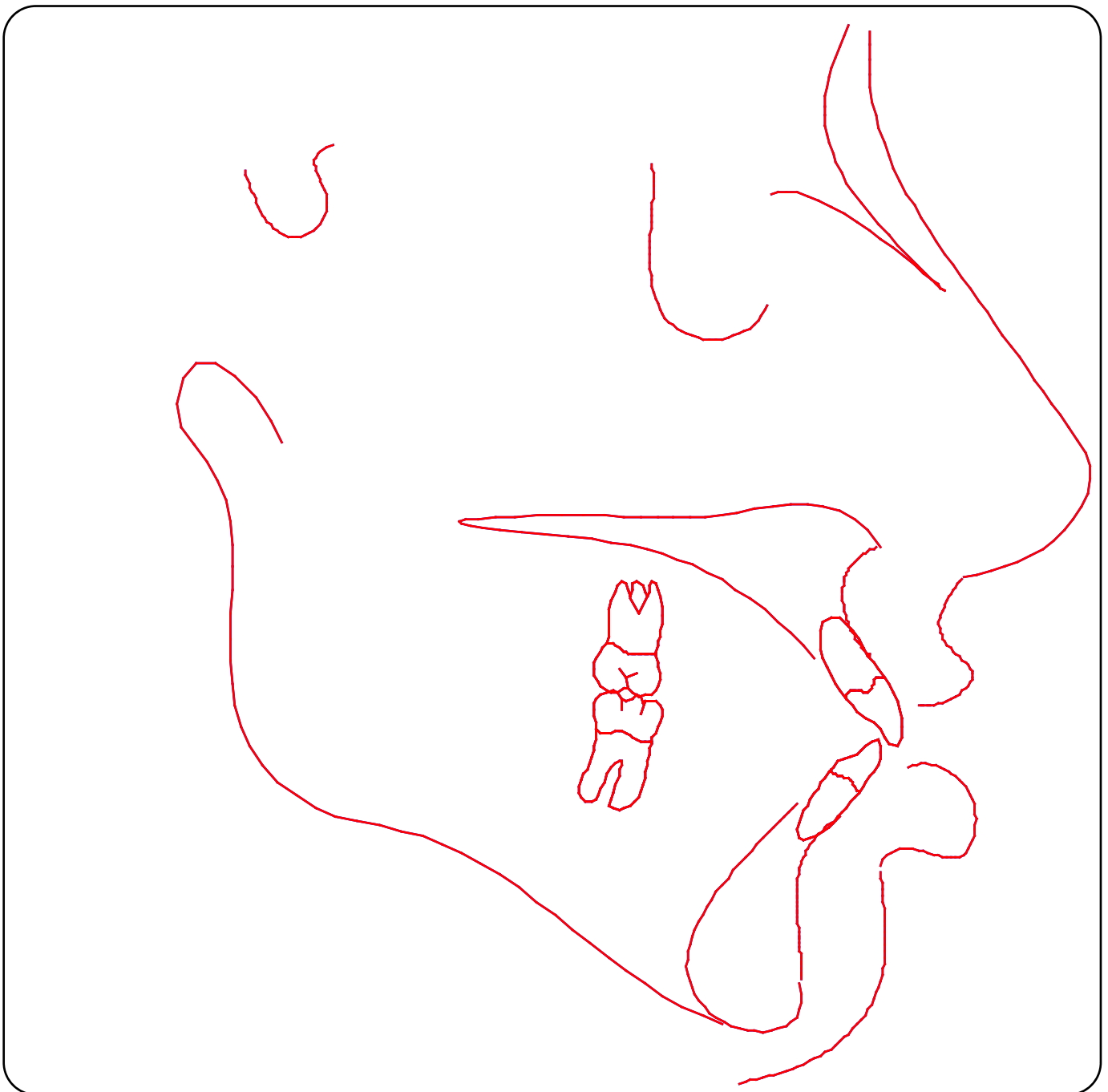
Descriptor	Measurement	SD	Patient
Naso Labial Angle	100	90-110	96.93
Soft Tissue Line - Upper Lip	-2	-4 to +1	-5.96
Soft Tissue Line - Lower Lip	-2	-4 to +1	4.74

Projected Growth



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

DESCRIPTOR	PATIENT
Gender:	Female
Age:	16
Growth at N:	0
Growth at Gn:	0

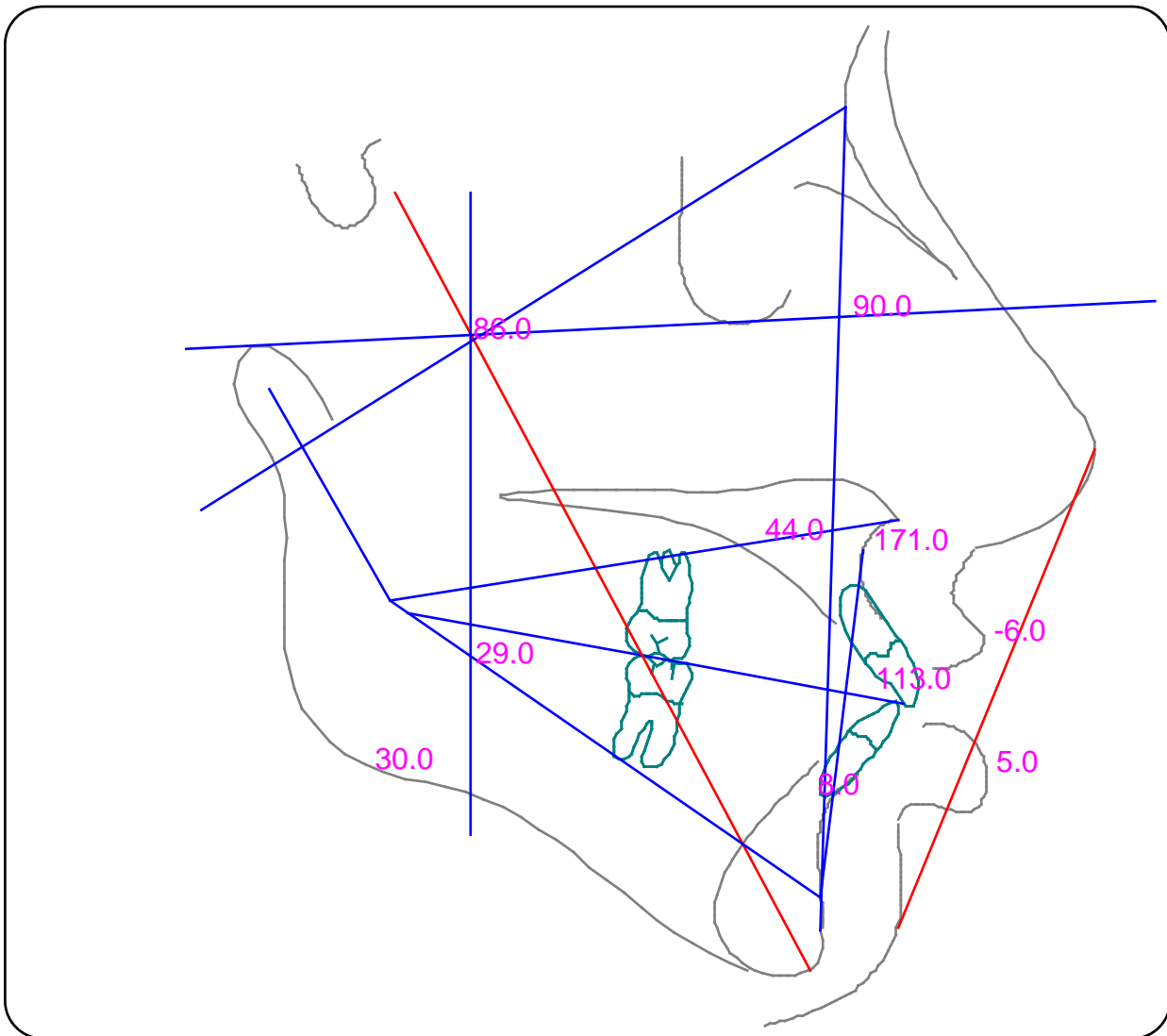


Ricketts Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
MAX. POSITION							
MAX DEPTH	FH to N-A	Deg	95.0	5.0	89.59	-(*)+	Maxilla distal to Base
MAX HEIGHT	N-PTV to A pt	Deg	54.0	5.0	60.07	-(*)+	Large Max height
SN TO PALATAL PLANE		Deg	3.0	5.0	12.89	-(*)+	
MAND. POSITION							
FACIAL DEPTH	FH to N-Pog	Deg	90.0	4.0	85.61	-(*)+	Retrognathic Mandible
FACIAL AXIS	Na-Ba to PTV-Gn pt	Deg	90.0	4.0	86.11	-(*)+	
FACIAL TAPER	Na-Gn-Go	Deg	67.0	4.0	65.0	-(*)+	
MAND. PLANE	FH-GoGn	Deg	28.0	3.0	30.06	-(*)+	
CORPUS LENGTH	Xi to Pm	mm	70.0	5.0	99.6	-(*)+	Large corpus length
MAND. ARC	DC-Xi to Xi-Pm	Deg	27.0	5.0	25.59	-(*)+	
MAX.TO MAND RELATIONSHIP							
A pt. CONVEXITY	A to N-Pog	mm	3.0	2.0	5.83	-(*)+	Class II Skeletal tendency
LOW.FACE.HEIGHT	ANS-Xi-Pog	Deg	47.0	5.0	43.66	-(*)+	
DENTURE RELATIONSHIP							
MAX.1 to APo		mm	6.0	3.0	12.81	-(*)+	Upper Incisor positioned forward
MAX.6 to PTV		mm	19.0		28.78	-()+	
MAND. 1 to APo		mm	1.0	2.0	9.19	-(*)+	Lower incisor protruded
HINGE AXIS ANGLE	DC - Go - LI	Deg	90.0	3.0	95.12	-(*)+	Open bite tendency
MAX.1 to MAND.1		Deg	131.0	5.0	113.28	-(*)+	Incisors too protruded
OVERJET		mm	2.5	2.0	3.48	-(*)+	
OVERBITE		mm	2.5	2.0	1.3	-(*)+	
ESTHETICS							
UPPER LIP to E-LINE		mm	-4.0	2.0	-5.96	-(*)+	
LOWER LIP to E-LINE		mm	-2.0	2.0	4.74	-(*)+	Lower lip protruded

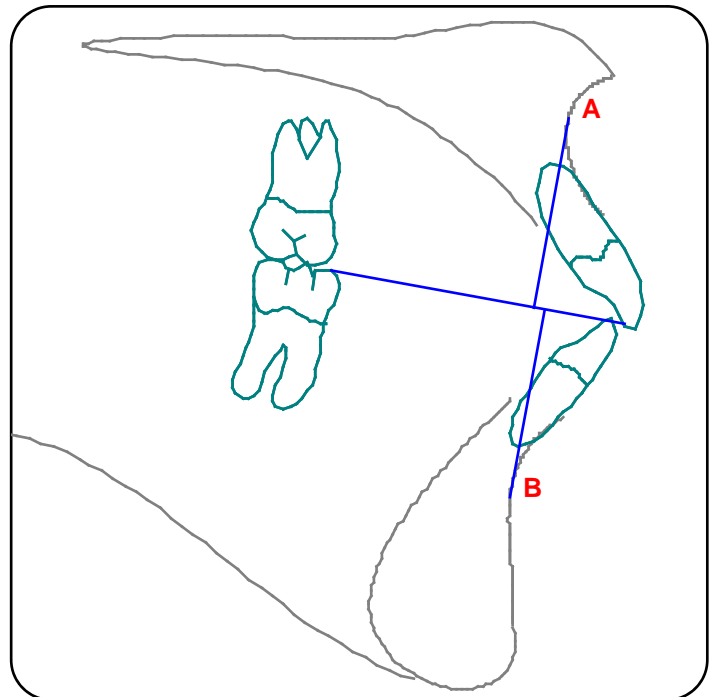
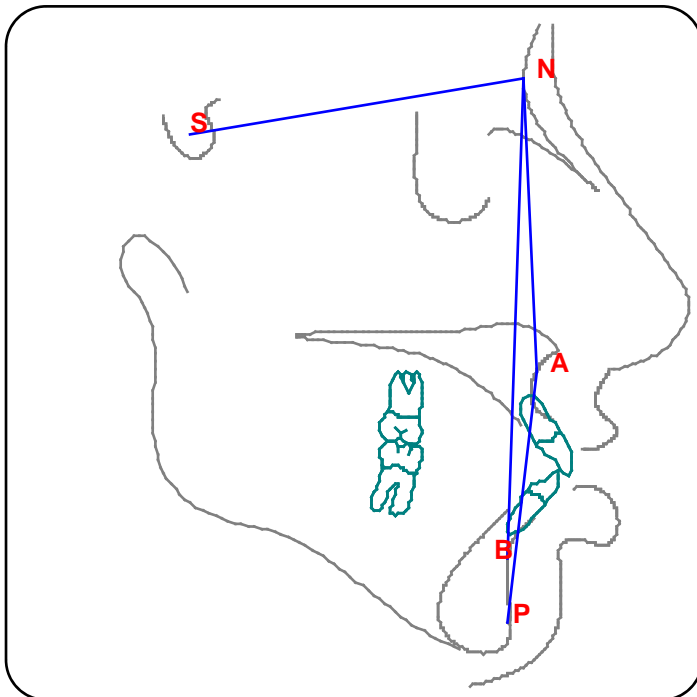


Skeletal Factors - Anterior/Posterior



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph	Comment
SNA	Deg	82.0	2.0	82.78	-(*)+	
SNB	Deg	80.0	2.0	78.41	-(*)+	
ANB	Deg	2.0	2.0	4.37	-(*)+	Class II relationship
POGONION	mm			1.07	-()+	
ANGLE CONVEXITY (DOWNS)	Deg	180.0	5.0	171.4	-(*)+	Maxilla forward to mandible (Convex)
WITS	mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem

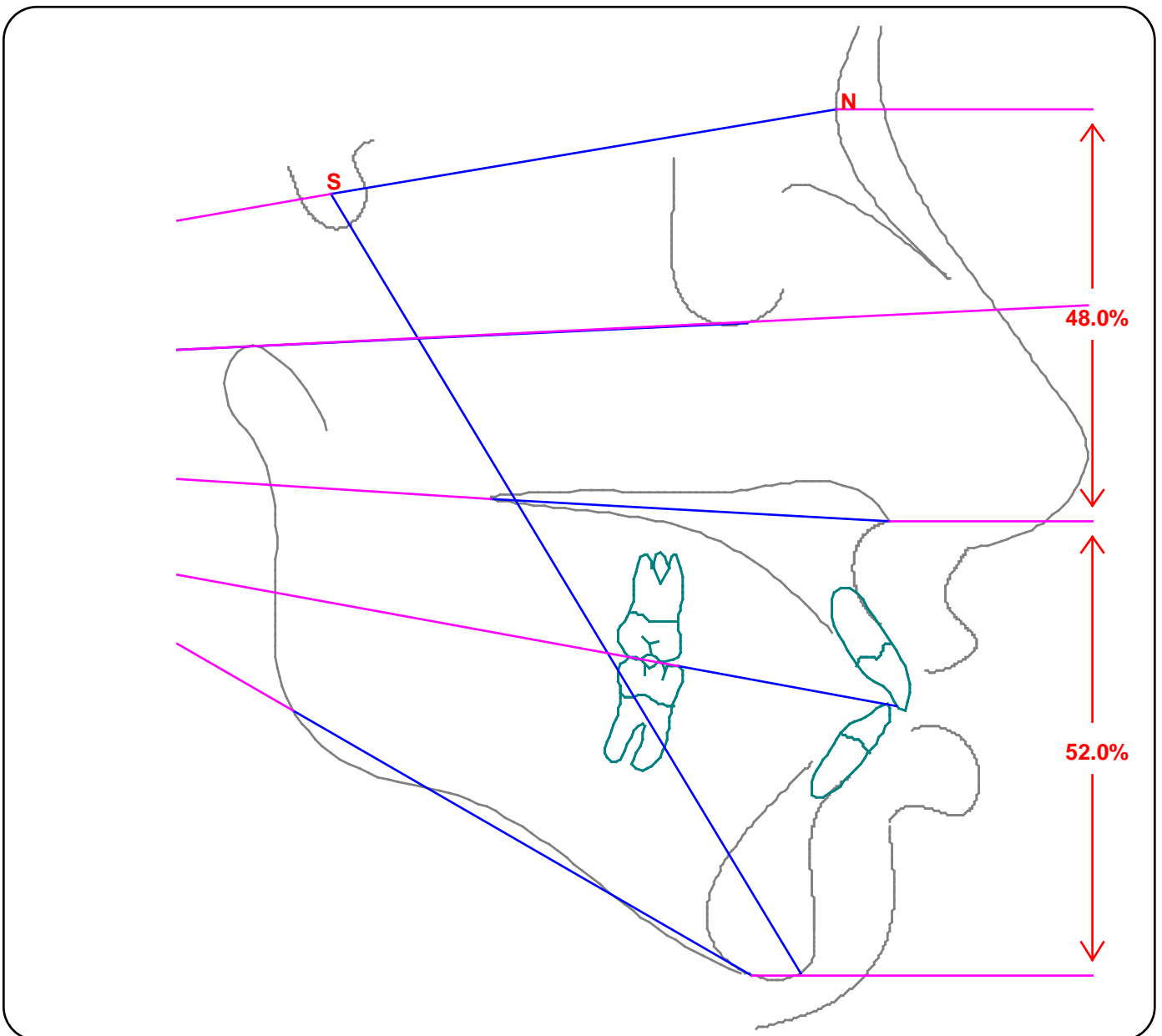


Skeletal Factors - Vertical



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph	Comment
GOGN-SN	Deg	32.0	4.0	39.61	-(*)+	High angle case
OM ANGLE (SCHUDY)	Deg	20.0	5.0	19.58	-(*)+	
Y-AXIS(JARABAK)	Deg	67.0	3.0	68.47	-(*)+	
Y-AXIS(DOWNS)	Deg	60.0	3.0	61.66	-(*)+	
JARABAK HEIGHT S-GO/N-ME	%	64.0	2.0	59.45	-(*)+	Large Anterior growth
PL-MAND PLANE	Deg	25.0	3.0	26.71	-(*)+	
ANT FACIAL HT(N-ANS-ME)	%	45	3.0	48.0	-(*)+	

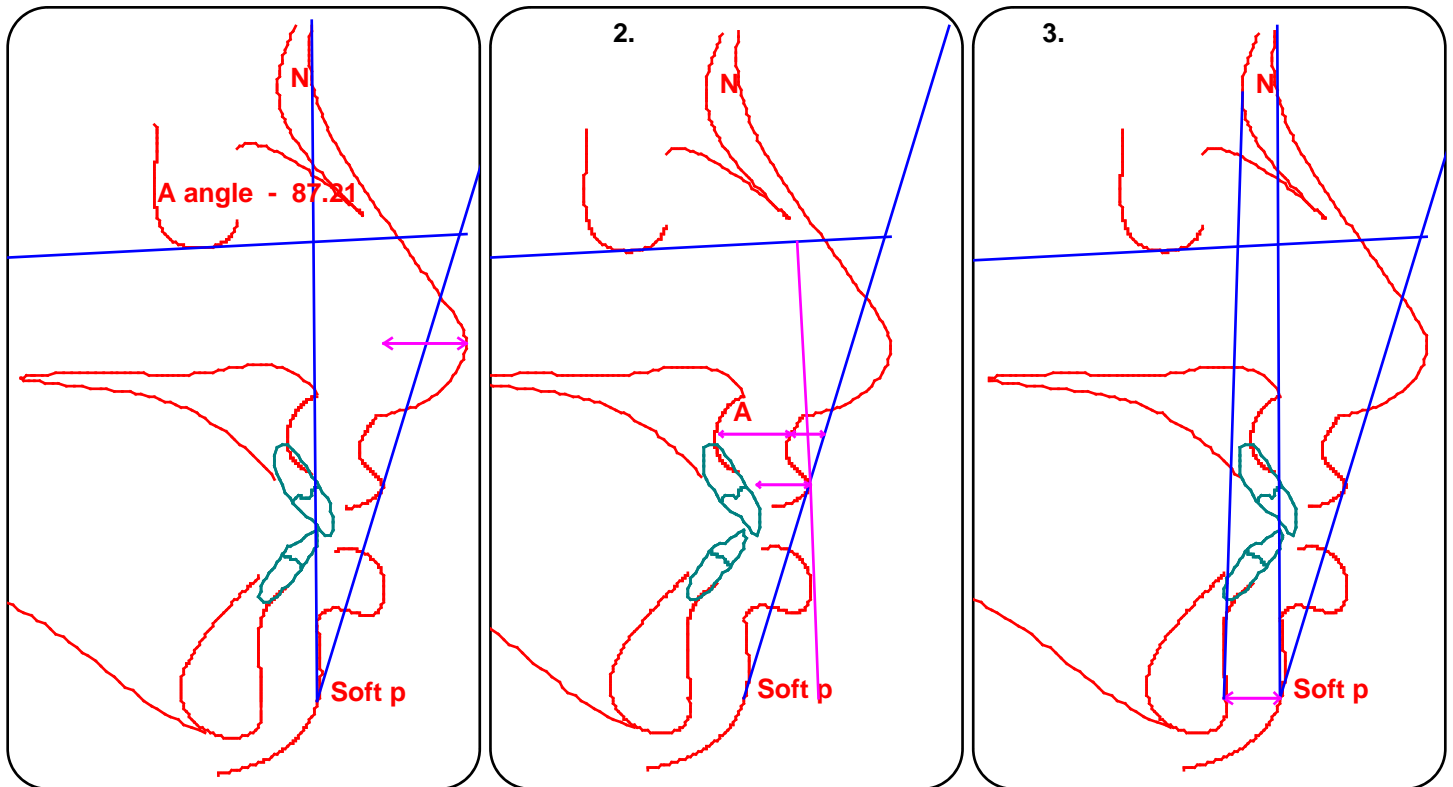


Soft Tissue Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph	Comment
A ANGLE	Deg	90.0	4.0	87.21	-(*)+	
NOSE	mm	18.0	2.0	20.91	-(*)+	
U/LIP : VERT	mm	3.0	3.0	4.15	-(*)+	
U/LIP : EMBR	mm	5.0	2.0	8.76	-(*)+	Upper lip too protruded
U/LIP A WIDTH	mm	13.0	2.0	18.3	-(*)+	
U/LIP VERMILLION / WIDTH	mm	12.0	2.0	14.0	-(*)+	
U/LIP TAPER / STRAIN	mm	2.0	1.0	4.3	-(*)+	Strain present
A/PT CNVXTY	mm	13.0	2.0	5.83	-(*)+	
H ANGLE	mm	VARIABLES		16.9	-()+	
L/LIP PROTRUSION	mm	1.0	1.0	-7.98	-(*)+	
L/LIP EMBR	mm	5.0	2.0	6.22	-(*)+	
SOFT POG	mm	10.0	5.0	14.37	-(*)+	



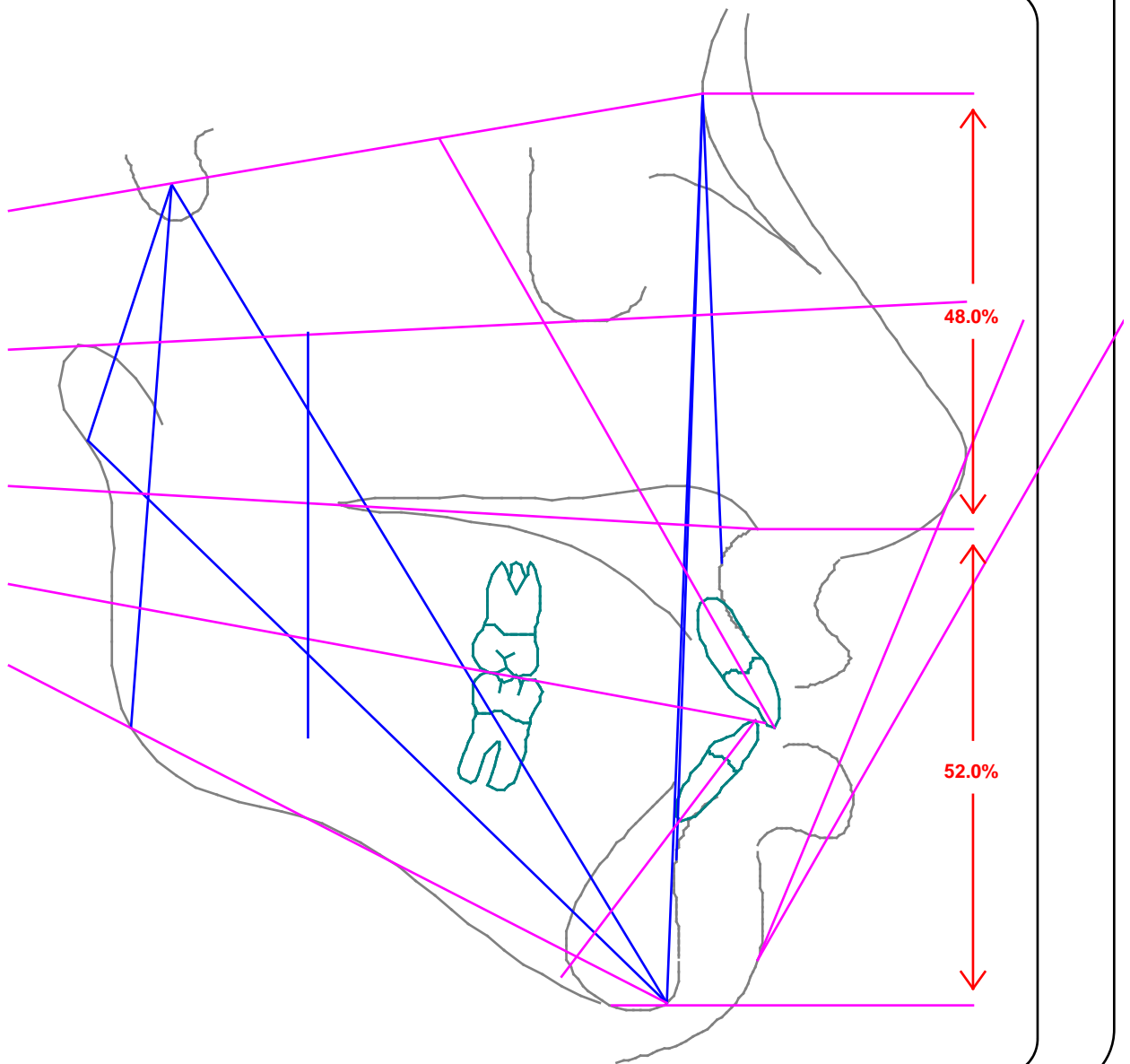
SLU Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

DESCRIPTOR	NORM	PATIENT
I --- ANTERIOR POSTERIOR		
MAXILLARY POSITION		
SNA (Deg)	81	82.78
MAXILLARY SIZE		
PNS-A (Deg)	47-53	69.63
MAXILLARY DENTITION		
PTV-S (Deg)	19	28.78
UI-SN (Deg)	104	110.04
UI-NA (Deg)	23	27.26
UI-NA (mm)	4	8.35
MANDIBULAR POSITION		
SNB (Deg)	78	78.41
NS-GN (Deg)	67	68.47
S-Ar (mm)	31-38	48.64
MANDIBULAR SIZE		
AR-GN (mm)	102-120	145.14
POG-NS (mm)	1-2	1.07
MANDIBULAR DENTITION		
IMPA (Ang)	94	97.04
LI-APOG (mm)	2	9.19
LI-NB (Ang)	26	35.07
LI-NB (mm)	4.5	13.5
FMIA (Ang)	56	50.14

DESCRIPTOR	NORM	PATIENT
DENTITION		
LI/UI (Deg)	130	113.28
MAXILLA to MANDIBLE		
ANB (Ang)	3	4.37
WITS (mm)	0	-1.54
II --- VERTICAL		
ANGULAR		
SN-PAL.PLANE (Deg)	7	12.89
SN-Occ. Plane (Deg)	16	20.02
FMA (Deg)	29	30.06
LINEAR		
N-ME (mm)	109-130	168.37
N-ANS (mm)	50-57	78.64
ANS-ME (mm)	63-71	89.73
S-GO (mm)	67-84	97.88
III --- PROFILE		
Z-ANGLE (Ang)	83	109.69
E-PLANE (mm)	-2	4.74



Steiner Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

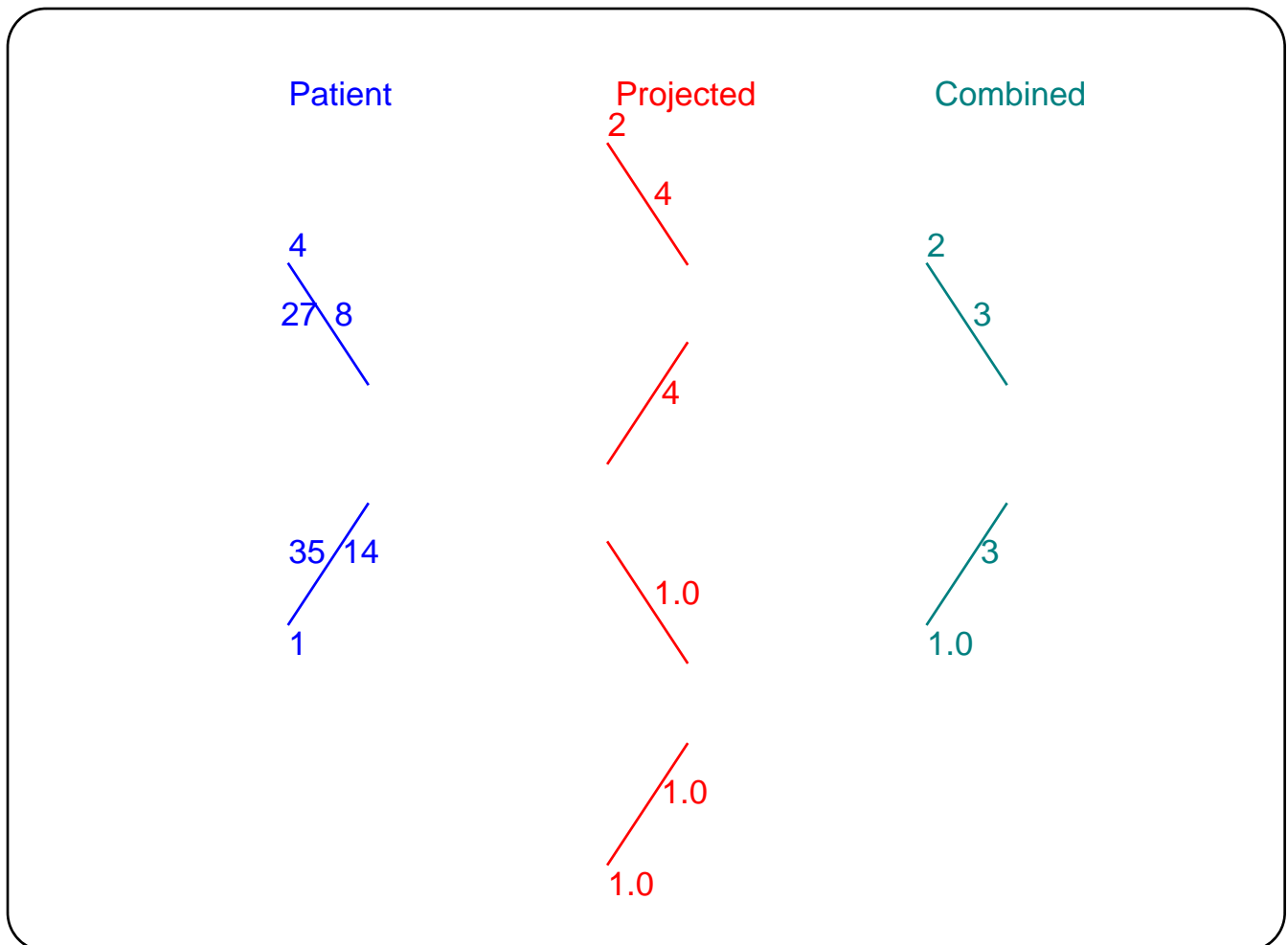
Descriptor	Type	Mean	Sd	Patient	Graph	Comment
SNA	Deg	82.0	2.0	82.78	-(*)+	
SNB	Deg	80.0	2.0	78.41	-(*)+	
ANB	Deg	2.0	2.0	4.37	-(*)+	Class II relationship
I/ to NA	Deg	22.0	4.0	27.26	-(*)+	Upper incisor proclined forward
I/ to NA	mm	4.0	2.0	8.35	-(*)+	Upper incisor proclined forward
/I to NB	Deg	25.0	4.0	35.07	-(*)+	Lower Incisor positioned forward
/I to NB	mm	4.0	2.0	13.5	-(*)+	Lower 1 too protruded
I/ to /I	Deg	131.0	5.0	113.28	-(*)+	Incisors protruded
Occ to SN	Deg	14.0	3.0	20.02	-(*)+	Open Occ plane
GOGN-SN	Deg	32.0	4.0	39.61	-(*)+	High angle case
POG to NB	mm	1.0		1.07	-()+	

MODEL DISCREPANCY:0

CURVE OF SPEE:0

CEPH DISCREPANCY (*2):21.0

TOTAL DISCREPANCY:21.0



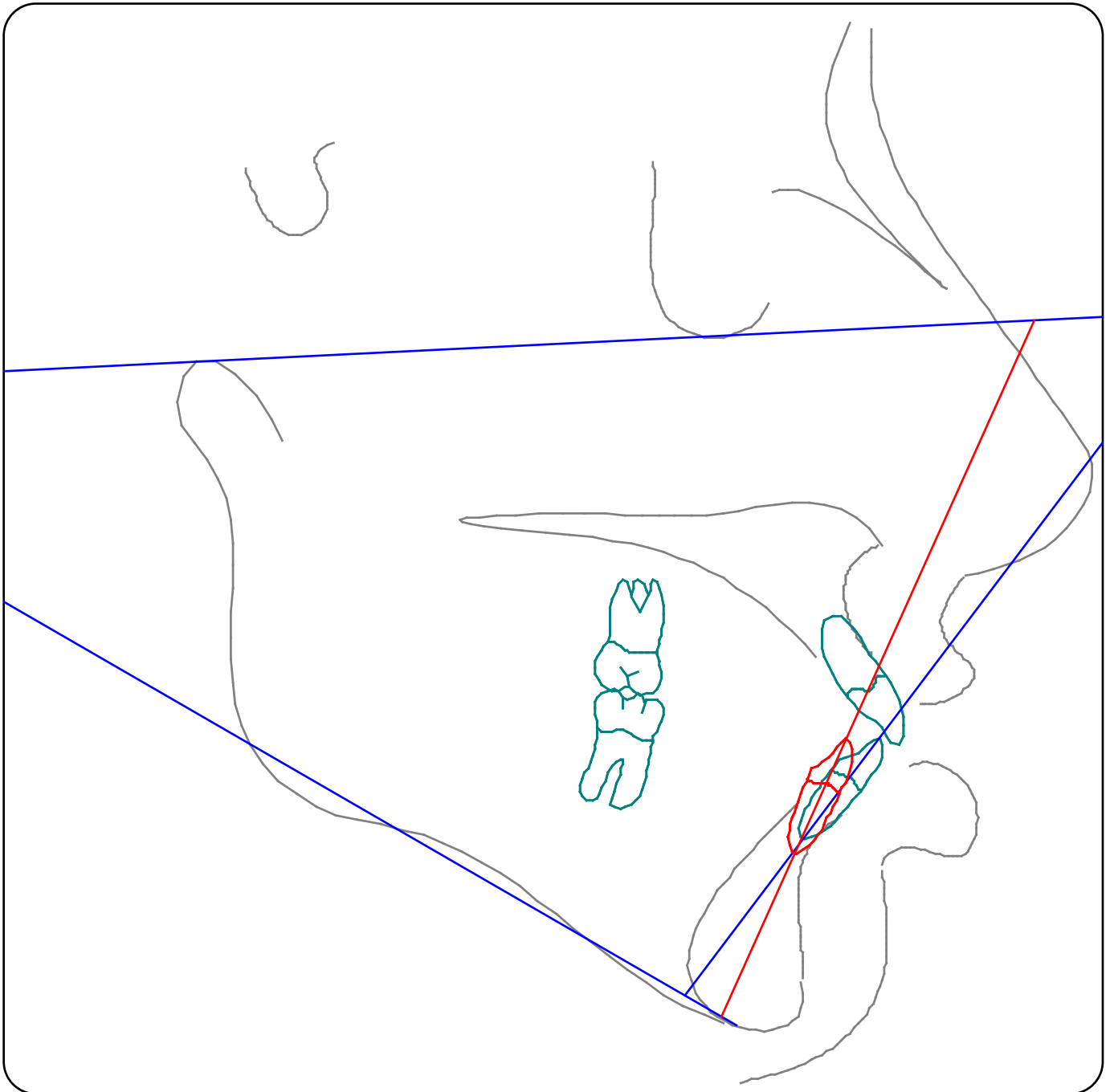
Tweed Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph	Comment
FMA	Deg	28.0	3.0	30.06	-(*)+	
FMIA	Deg	62.0	3.0	50.14	-(*)+	Lower Inc protruded
IMPA	Deg	90.0	5.0	97.04	-(*)+	lower incisor proclined forward

To approximate to FMIA of 65 Deg - ceph disc of LI *2 is : 12

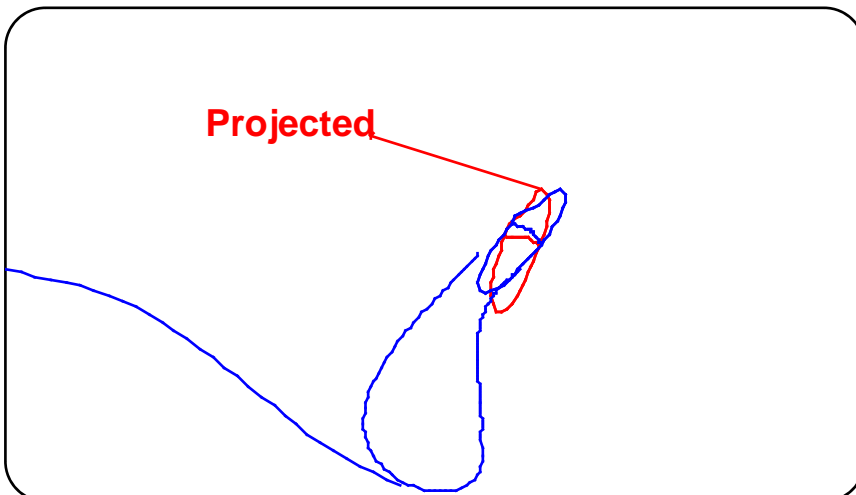
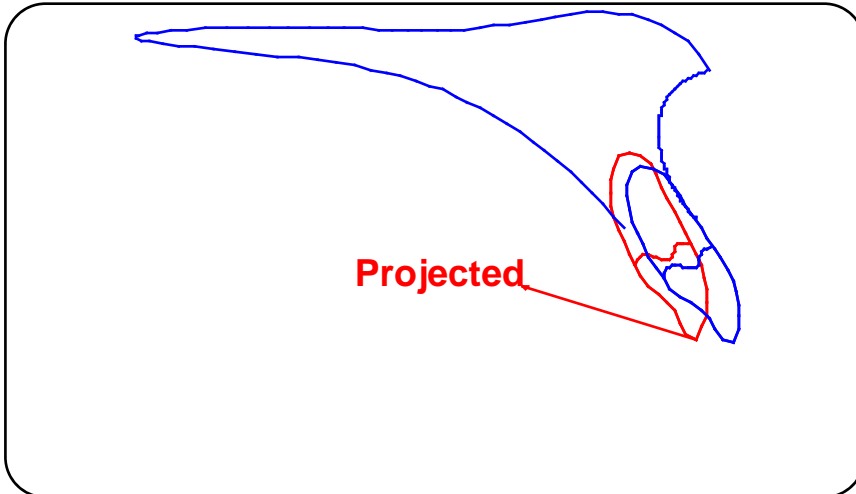
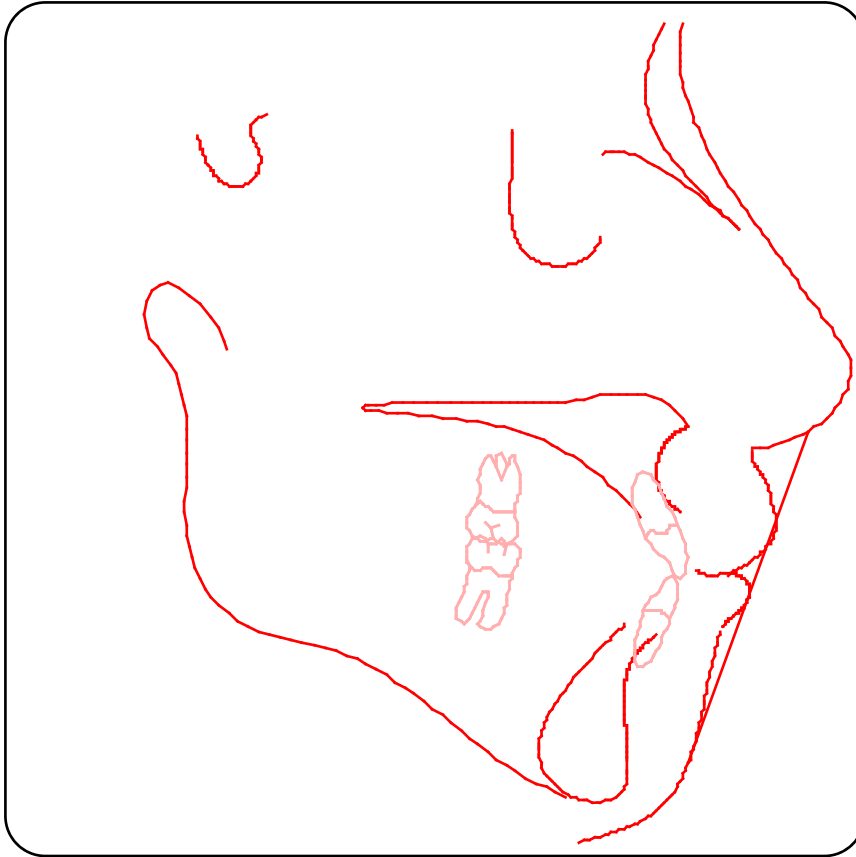


V.T.O ANALYSIS



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

CEPH DISC(*2) 8 MM



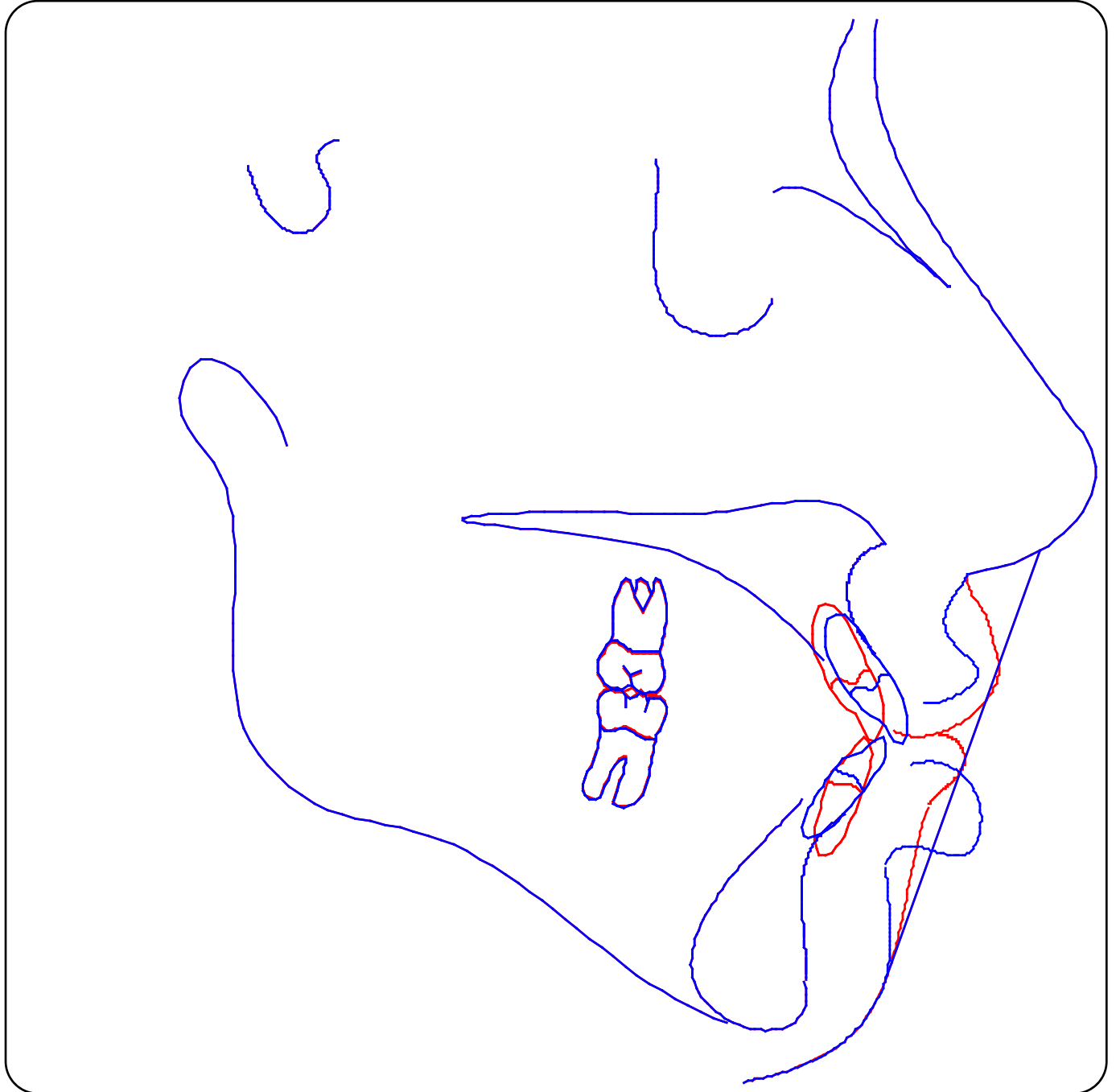
V.T.O ANALYSIS OVERLAY



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009
V.T.O - ANALYSIS



ORIGINAL CEPH

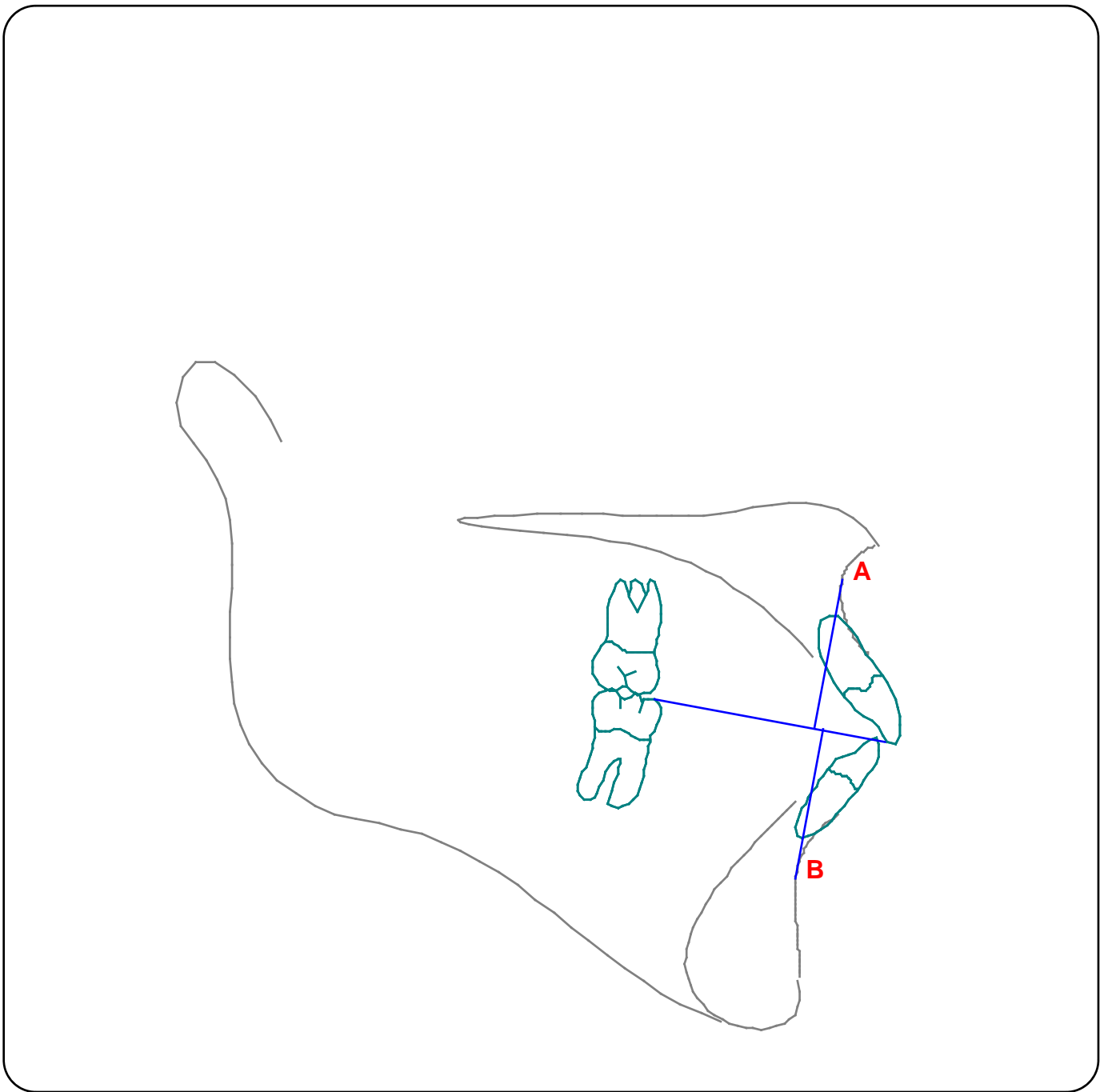


Wits Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph	Comment
WITS	mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem



1 : 1 Trace



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

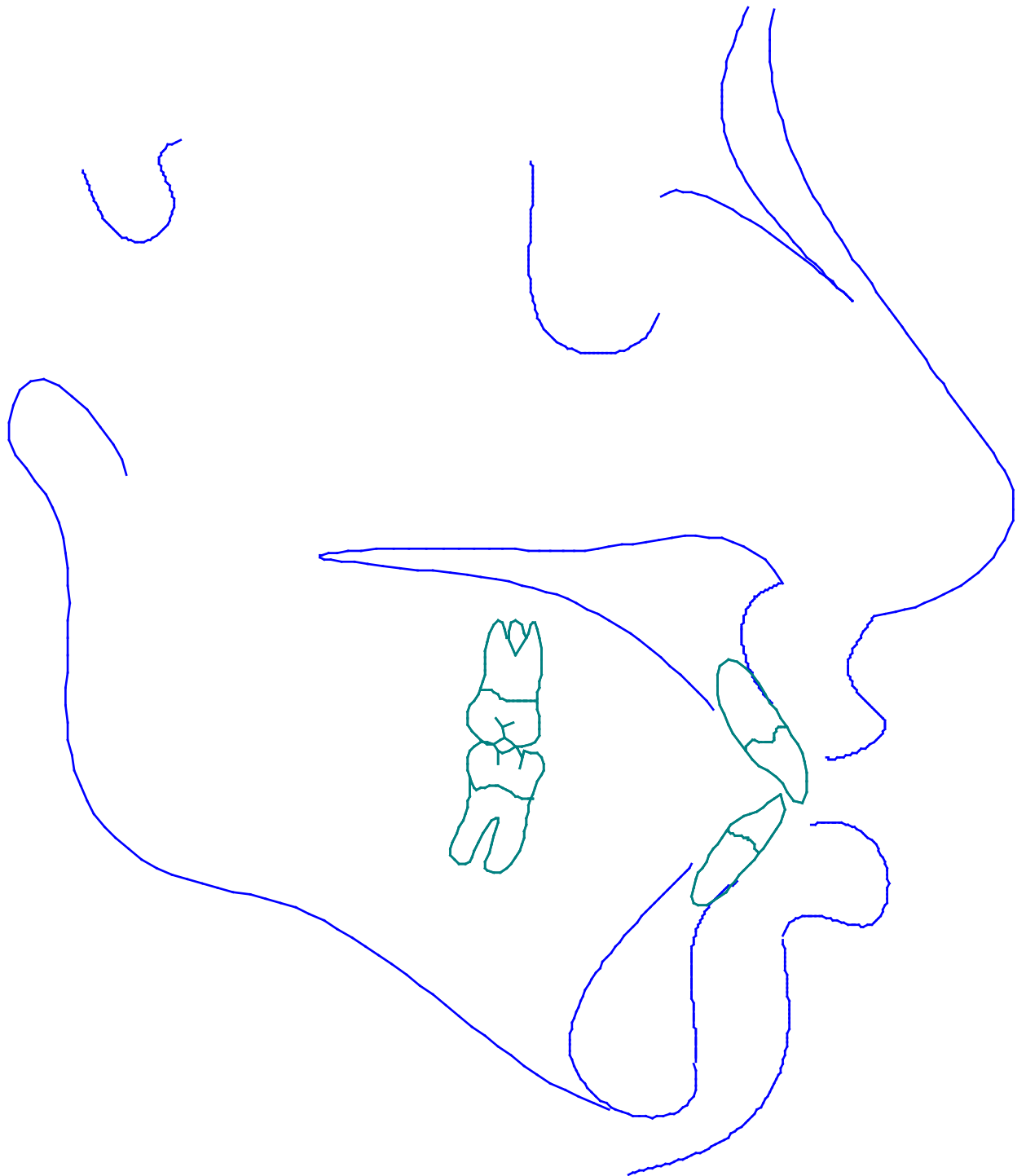


Image Overlay

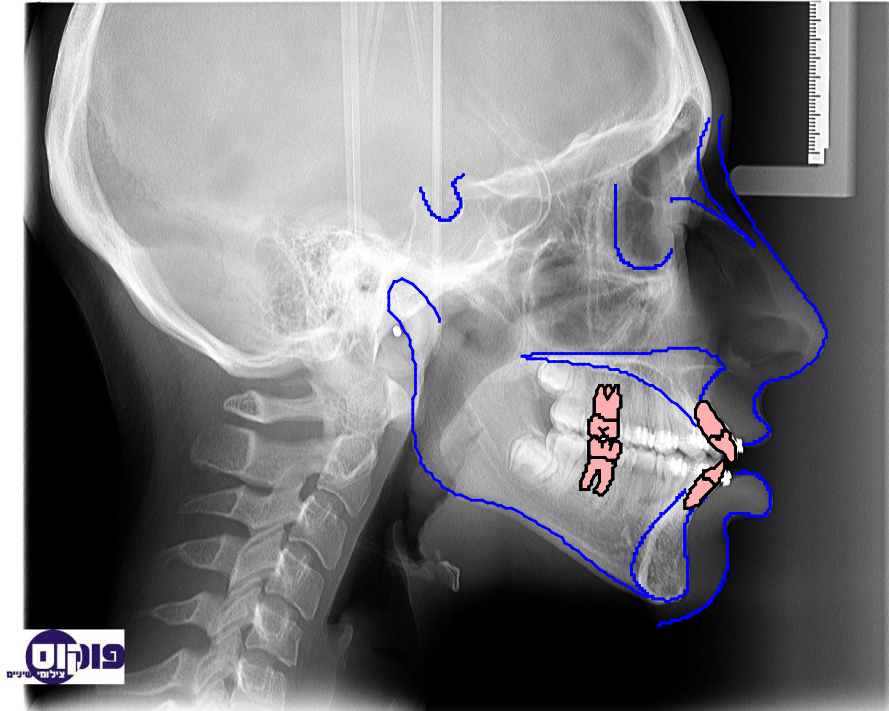


Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Image: 29/10/2009 16:01:25

ברקוביץ'שחר, מעגן מיכאל

Scale: 1:1.000



Busrstone Analysis



Doctor:Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

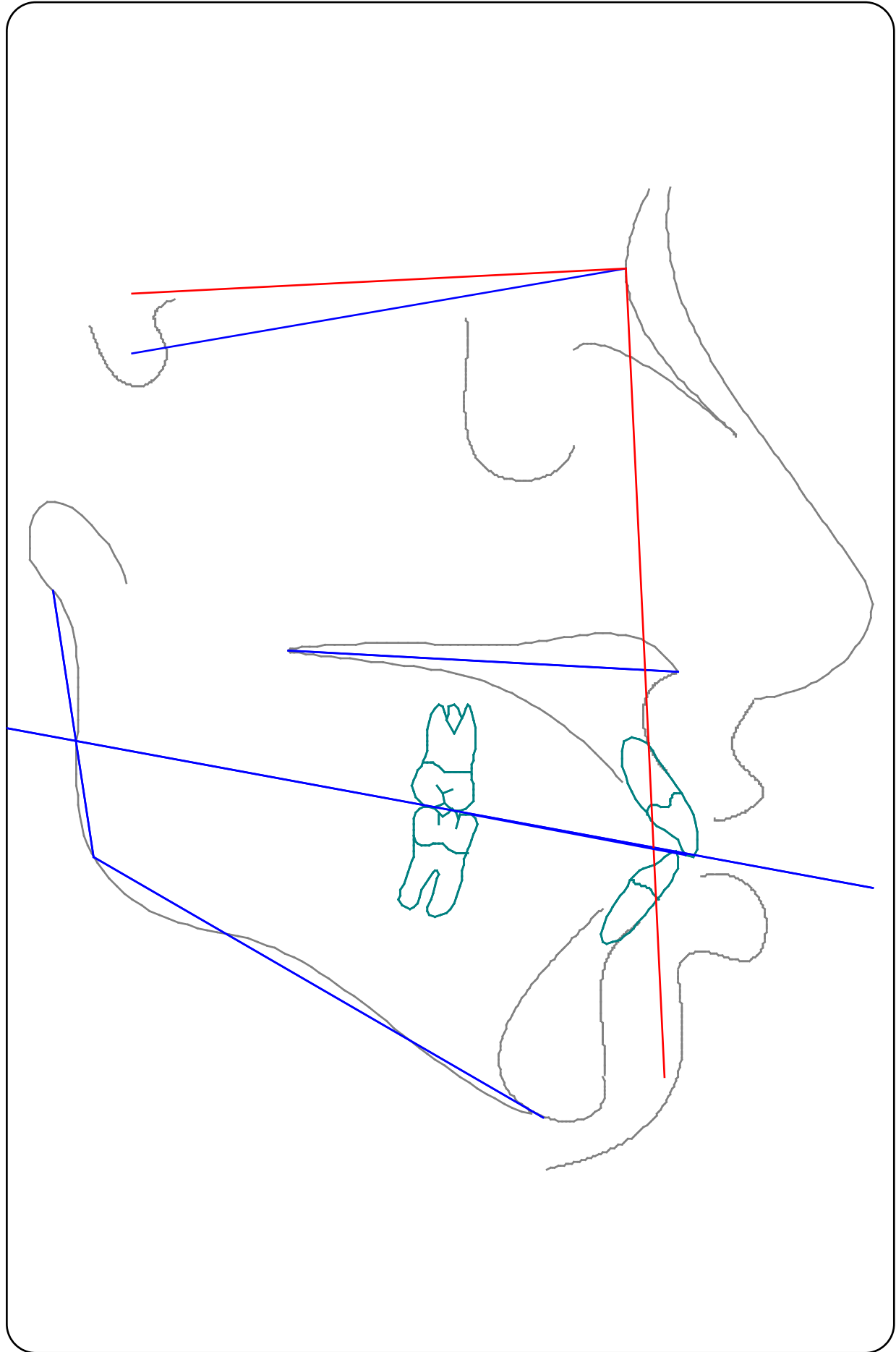
Descriptor	Type	Mean	Sd	Patient	Graph
CRANIAL BASE					
Ar - PTM	mm	37.1	2.8	39.69	-(*)+
PTM - N	mm	53.8	4.1	71.1	-(*)+
HORIZONTAL (skeletal)					
N - A - Pg angle	Deg	3.9	6.4	8.6	-(*)+
N - A	mm	0.0	3.7	3.49	-(*)+
N - B	mm	-5.3	6.0	-4.79	-(*)+
N - Pg	mm	-4.3	8.5	-4.36	-(*)+
VERTICAL					
N - ANS	mm	54.7	3.2	78.08	-(*)+
ANS - Gn	mm	68.8	3.8	85.94	-(*)+
PNS - N	mm	53.9	1.7	73.72	-(*)+
MP - HP angle	Deg	23.0	5.9	32.8	-(*)+
Upper incisor - NF	mm	30.5	2.1	35.56	-(*)+
Lower incisor - MP	mm	45.0	2.1	66.28	-(*)+
Upper molar - NF	mm	26.2	2.0	29.02	-(*)+
Lower Molar - MP	mm	35.8	2.6	50.33	-(*)+
MAXILLA MANDIBLE					
PNS - ANS	mm	57.7	2.5	75.47	-(*)+
Ar - Go	mm	52.0	4.2	52.01	-(*)+
Go - Pg	mm	83.7	4.6	107.16	-(*)+
B - Pg	mm	8.9	1.7	9.53	-(*)+
Ar - Go - Gn angle	mm	119.1	6.5	125.96	-(*)+
DENTAL					
OP upper - HP angle	Deg	6.2	5.1	13.17	-(*)+
A - B (OP)	mm	-1.1	2.0	-1.54	-(*)+
Upper incisor - NF angle	Deg	111.0	4.7	122.94	-(*)+
Lower incisor - MP angle	Deg	95.9	5.2	97.04	-(*)+

Busrstone Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph
------------	------	------	----	---------	-------



Clark Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

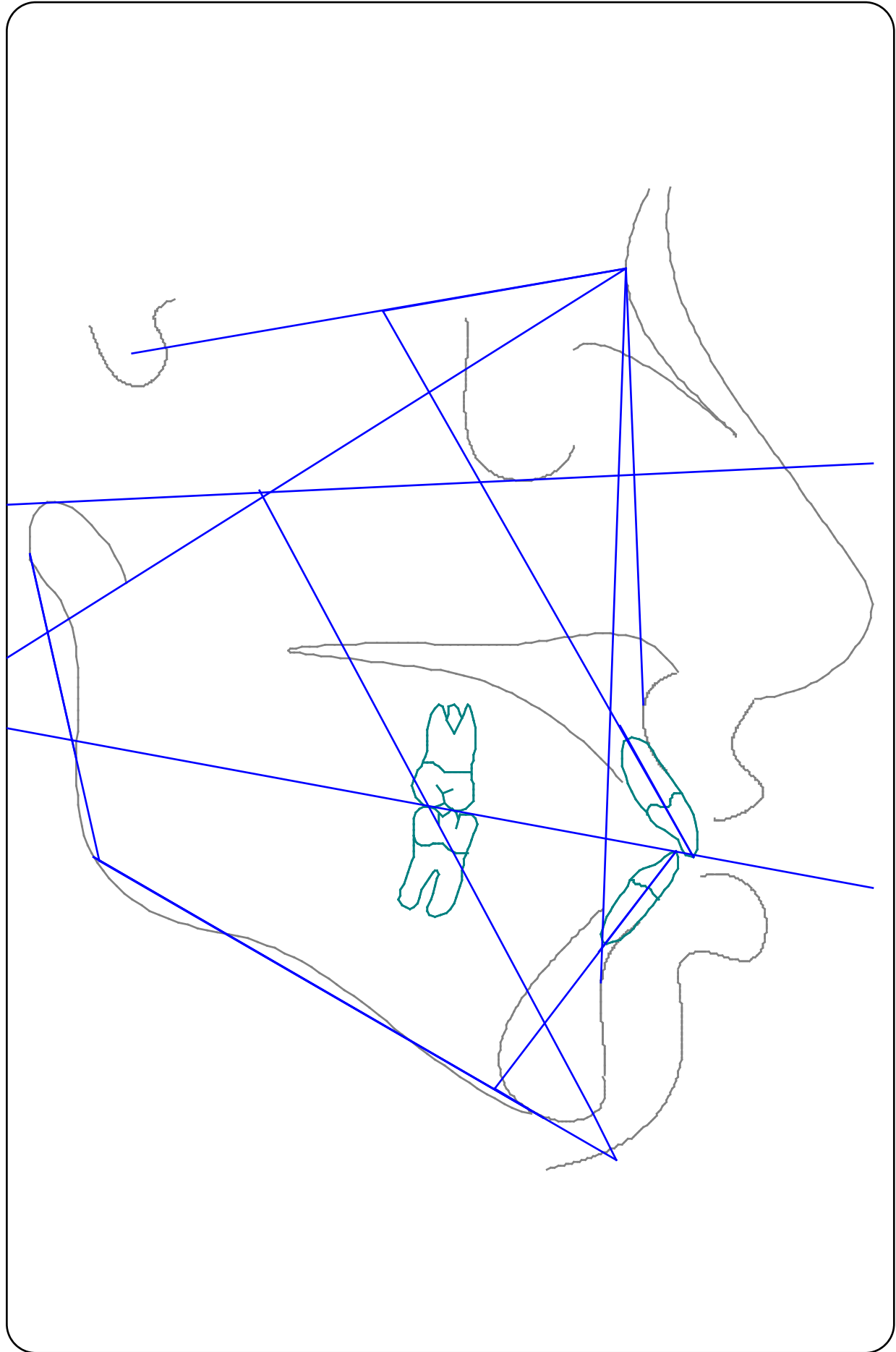
Descriptor	Type	Mean	Sd	Patient	Graph	Comment
MAND. ARC	Deg	23.8	5.0	25.59	-(*)+	
Cranial Base Angle	Deg	27.3	3.0	29.22	-(*)+	
FACIAL AXIS	Deg	27.0	4.0	28.11	-(*)+	
FMA	Deg	28.0	3.0	30.06	-(*)+	
Cranio - Mandibular Angle	Deg	51.0	2.0	62.03	-(*)+	
Condyle Axis Angle	Deg	27.0	1.0	29.74	-(*)+	
Upper Incisor Angle	Deg	22.0	2.0	29.63	-(*)+	
Lower Incisor Angle	Deg	25.0	2.5	37.07	-(*)+	
Maxillary Plane Angle	Deg	1.0	0.0	6.09	-(*)+	
Nasal Angle	Deg	0.0	0.0	3.44	-(*)+	
OCCLUSAL PLANE -FH	Deg	8.0	2.0	13.21	-(*)+	
Convexity	mm	3.2	0.2	5.84	-(*)+	
B1 to A-Po Plane	mm	0.5	0.5	2.43	-(*)+	
Molar pos. to PTV	mm	19.0	4.0	28.78	-(*)+	
LOWER LIP to E-Plane	mm	-2.0	2.0	4.74	-(*)+	Lower lip protruded
FACIAL AXIS	Deg	90.0	1.8	86.11	-(*)+	Downward growth
RAMUS HEIGHT	mm	44.0	5.0	52.01	-(*)+	
Mandibular Arc	Deg	23.8	5.0	25.59	-(*)+	
Facial Width	mm	125.0	24.0	122.01	-(*)+	
LOW.FACE.HEIGHT	Deg	47.0	5.0	43.66	-(*)+	
Molar Relation	mm	-3.0	1.5	2.18	-(*)+	
OVERJET	mm	2.5	2.0	3.48	-(*)+	
OVERBITE	mm	2.5	2.0	1.3	-(*)+	
SNA	Deg	82.0	2.0	82.78	-(*)+	
SNB	Deg	80.0	2.0	78.41	-(*)+	
ANB	Deg	2.0	2.0	4.37	-(*)+	Class II relationship
UI to SN	Deg	103.0	4.0	110.04	-(*)+	Upper incisor too protruded
LI to MAND	Deg	90.0	3.7	97.04	-(*)+	Lower Incisor too protruded
Interincisal Angle	Deg	131.0	13.0	113.28	-(*)+	Protruded Incisor relationship
LI-APOG	mm	1.0	2.0	9.19	-(*)+	lower incisor proclined forward
WITS	mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem

Clark Cont. Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph	Comment
------------	------	------	----	---------	-------	---------



COGS Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

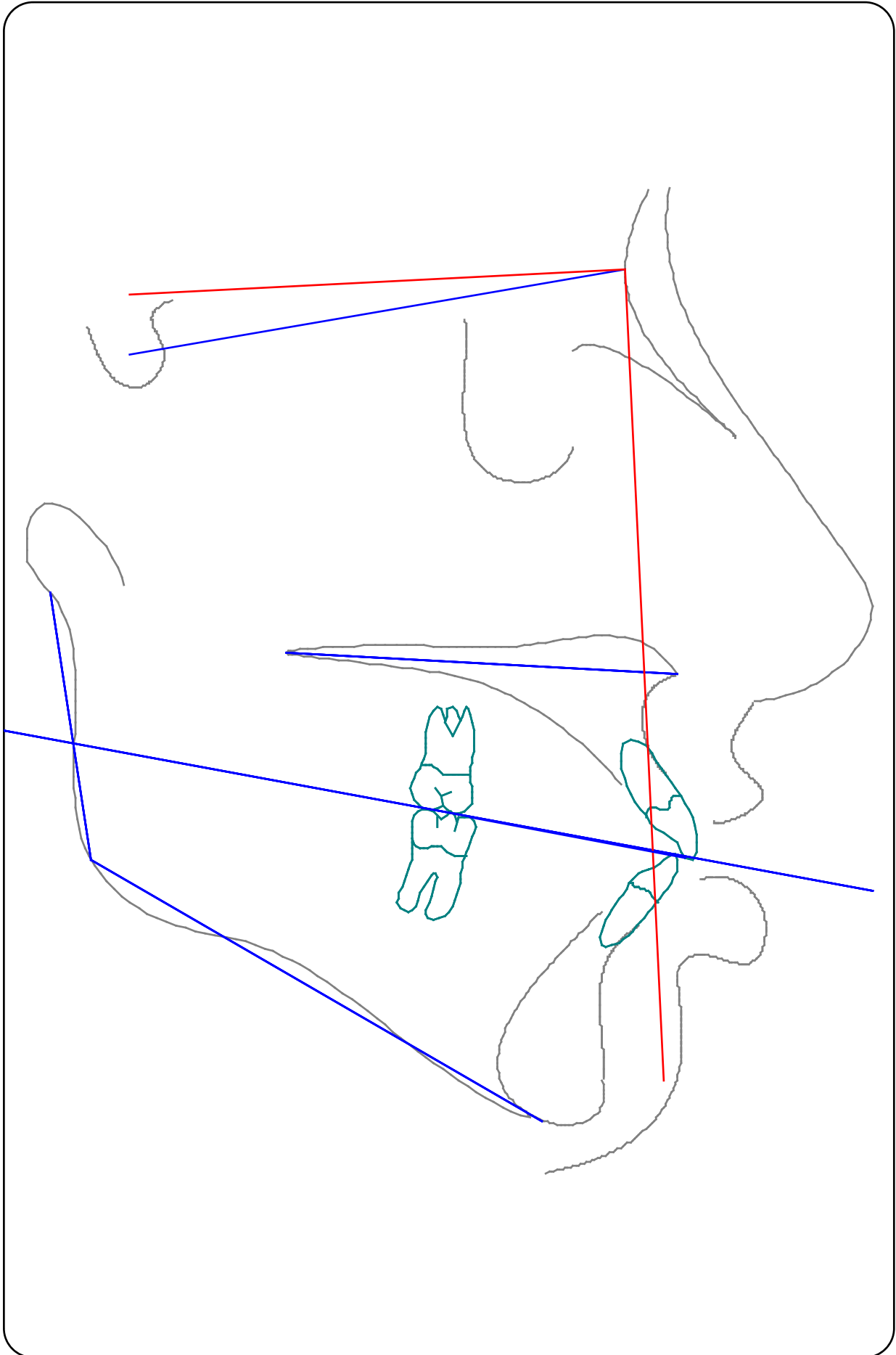
Descriptor	Type	Mean	Sd	Patient	Graph
CRANIAL BASE					
Ar - PTM	mm	37.1	2.8	39.69	-(*)+
PTM - N	mm	53.8	4.1	71.1	-(*)+
HORIZONTAL (skeletal)					
N - A - Pg angle	Deg	3.9	6.4	8.6	-(*)+
N - A	mm	0.0	3.7	3.49	-(*)+
N - B	mm	-5.3	6.0	-4.79	-(*)+
N - Pg	mm	-4.3	8.5	-4.36	-(*)+
VERTICAL					
N - ANS	mm	54.7	3.2	78.08	-(*)+
ANS - Gn	mm	68.8	3.8	85.94	-(*)+
PNS - N	mm	53.9	1.7	73.72	-(*)+
MP - HP angle	Deg	23.0	5.9	32.8	-(*)+
Upper incisor - NF	mm	30.5	2.1	35.56	-(*)+
Lower incisor - MP	mm	45.0	2.1	66.28	-(*)+
Upper molar - NF	mm	26.2	2.0	29.02	-(*)+
Lower Molar - MP	mm	35.8	2.6	50.33	-(*)+
MAXILLA MANDIBLE					
PNS - ANS	mm	57.7	2.5	75.47	-(*)+
Ar - Go	mm	52.0	4.2	52.01	-(*)+
Go - Pg	mm	83.7	4.6	107.16	-(*)+
B - Pg	mm	8.9	1.7	9.53	-(*)+
Ar - Go - Gn angle	mm	119.1	6.5	125.96	-(*)+
DENTAL					
OP upper - HP angle	Deg	6.2	5.1	13.17	-(*)+
A - B (OP)	mm	-1.1	2.0	-1.54	-(*)+
Upper incisor - NF angle	Deg	111.0	4.7	122.94	-(*)+
Lower incisor - MP angle	Deg	95.9	5.2	97.04	-(*)+

COGS Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Mean	Sd	Patient	Graph
------------	------	------	----	---------	-------



DiPaulo Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Type	Patient	Comment
Maxillary Base	mm	69.0	
Mandibular Base	mm	70.0	
Average of divergence	mm	69.0	
Ant. Lower face Height	mm	54.0	
Post. Lower Face Height	mm	83.0	
Upper Ant. Face Height	mm	78.0	

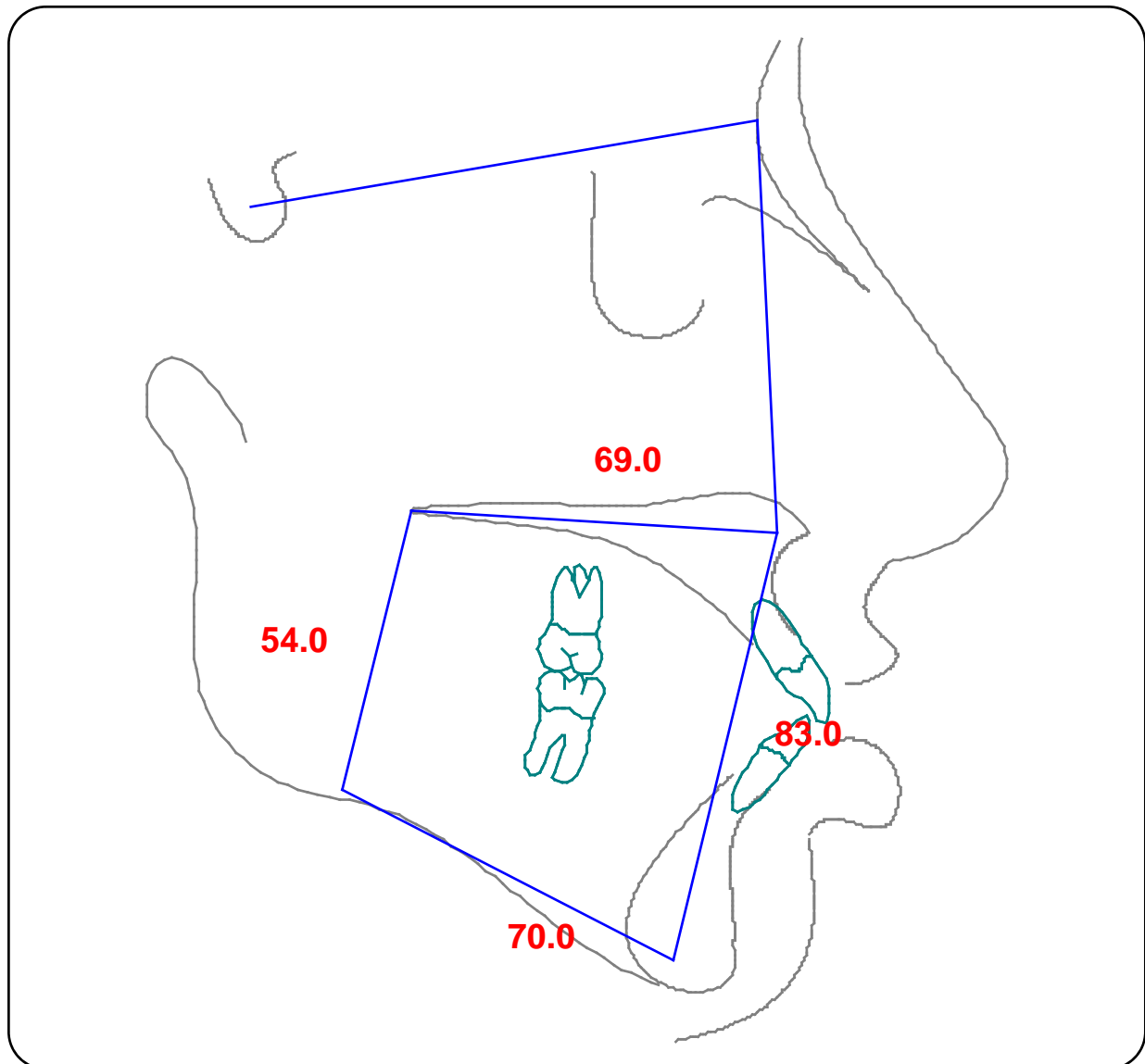
Upper Face : Whole Face Ratio	%	59.0	
-------------------------------	---	------	--

MAX / MAND EXCESS DEFICIENCY

Max (Norm: 49 - 51)	mm	0.0	
Mand (Norm: 49 - 51)	mm	1.0	

DIVERGENCE PATTERN

MESIO DISTAL SKELETAL RELATION : Maxilla, Mandible, Vertical Dimensions in Good Balance
DIVERGENCE PATTERN NORMOVERGENT
VERTICAL DISCREPANCY: 0MM

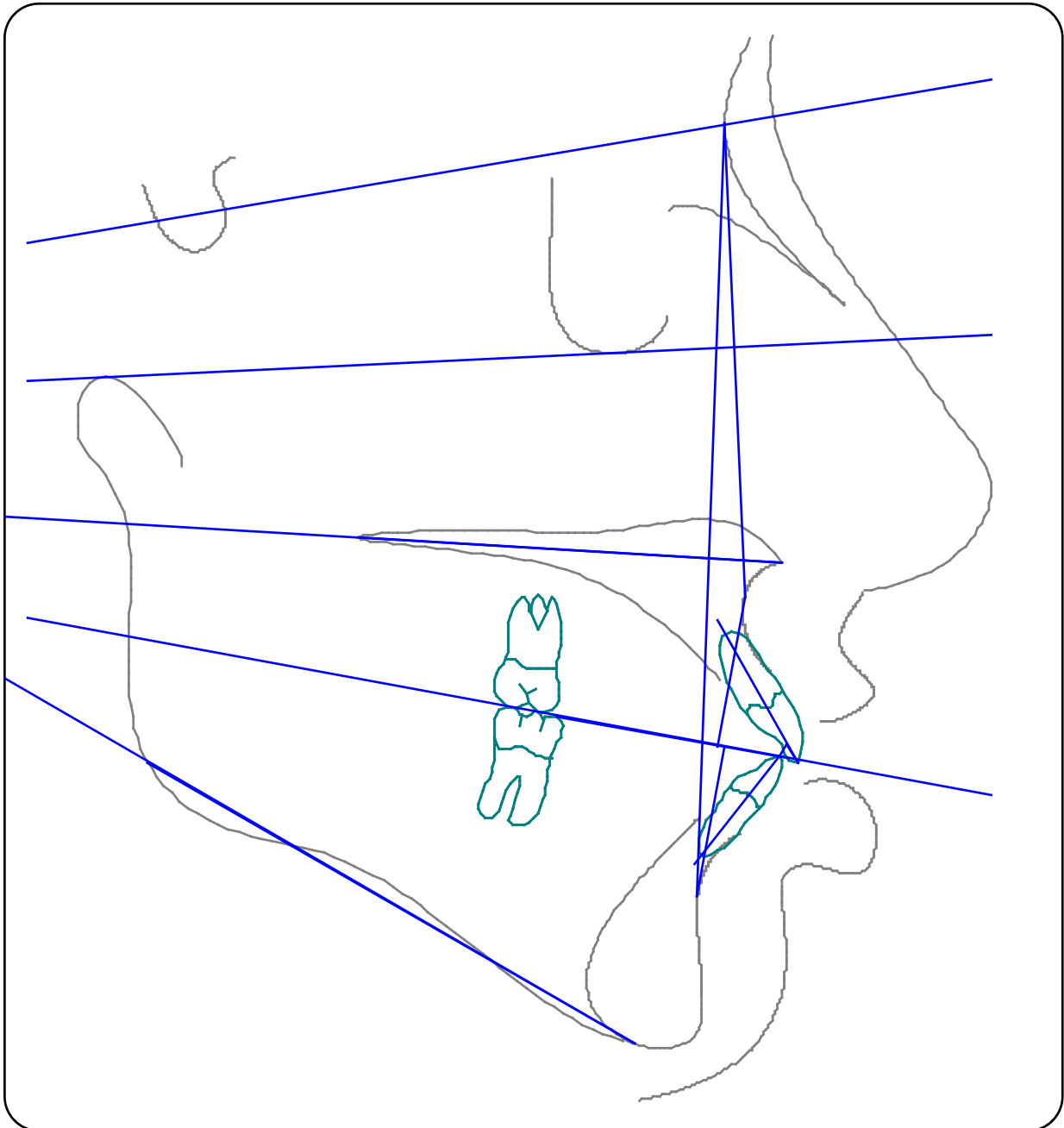


Eastman Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
SNA		Deg	82.0	2.0	82.78	-(*)+	
SNB		Deg	80.0	2.0	78.41	-(*)+	
ANB		Deg	2.0	2.0	4.37	-(*)+	Class II relationship
WITS		mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem
UI-PAL.PLANE		Deg	110.0	5.0	122.94	-(*)+	Upper incisor proclined forward
LI to MAND		Deg	90.0	3.7	97.04	-(*)+	Lower Incisor too protruded
Interincisal Angle	/1 to 1/	Deg	131.0	13.0	113.28	-(*)+	Protruded Incisor relationship
PL-MAND PLANE		Deg	25.0	3.0	26.71	-(*)+	
UPPER FACE HEIGHT	N-ANS	%	45	3.0	48.0	-(*)+	
LOWER FACE HEIGHT	ANS-Gn	%	55.0	3.0	53.29	-(*)+	
RATIO		%	55.0	3.0	53.29	-(*)+	
LI-APOG		mm	1.0	2.0	9.19	-(*)+	lower incisor proclined forward
LOWER LIP to E-LINE		mm	-2.0	2.0	4.74	-(*)+	Lower lip protruded
Y AXIS	FH to S-Gn	Deg	59.4	3.8	61.66	-(*)+	

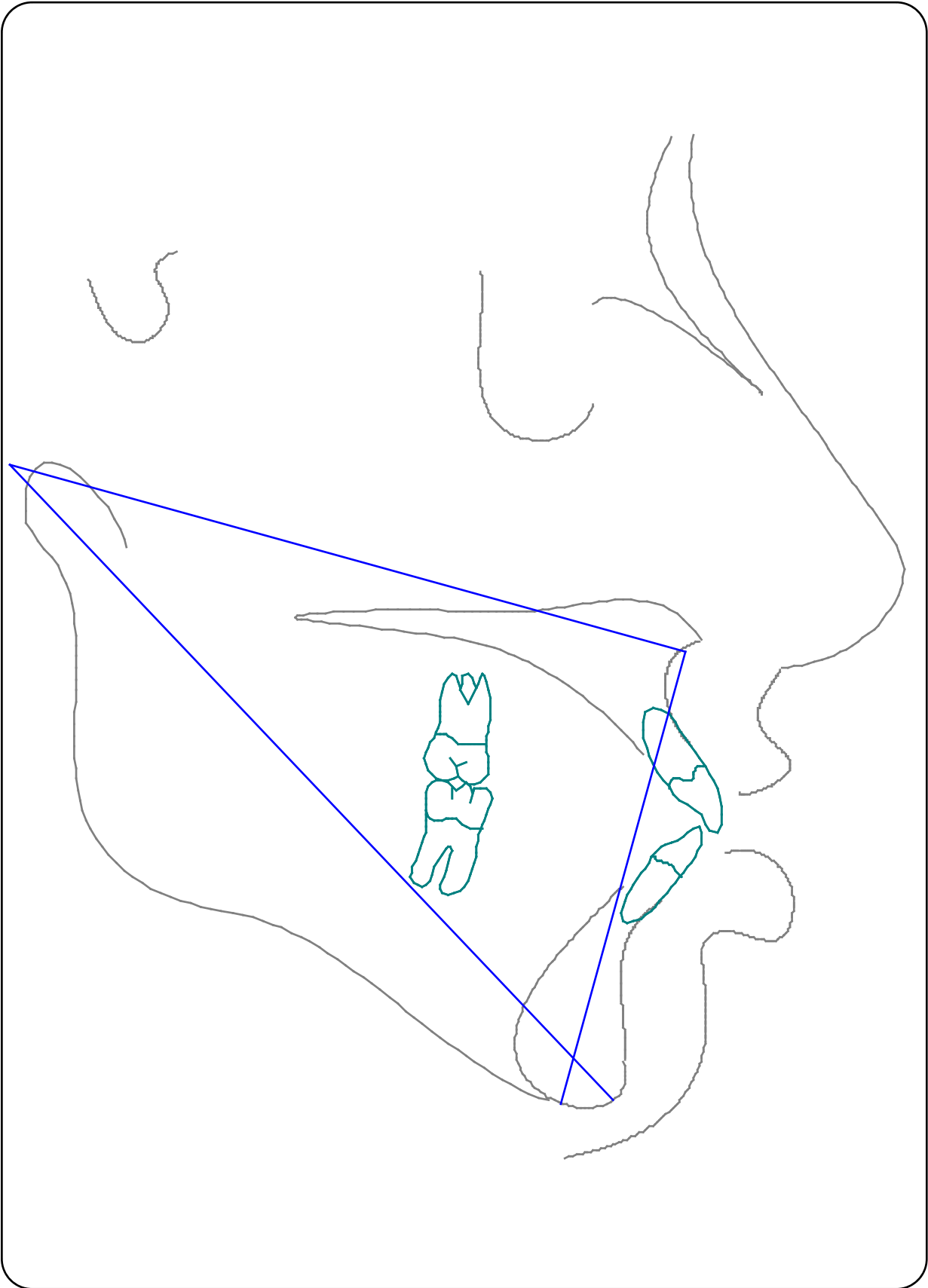


Harvold Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
Maxillary Length	TMJ to A pt	mm	85.0	4.8	116.48	-(*)+	Gender/age related
Predicted Mandibular Length	TMJ to Gn	mm	114.0	4.3	150.14	-(*)+	Gender/Age related
MAND - MAX DIFF		mm	22.0	3.1	33.66	-(*)+	Gender/Age related
LOW.ANT.FACE.HEIGHT	ANS to Me	mm	60.0	3.8	89.73	-(*)+	



Heb Uni. Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

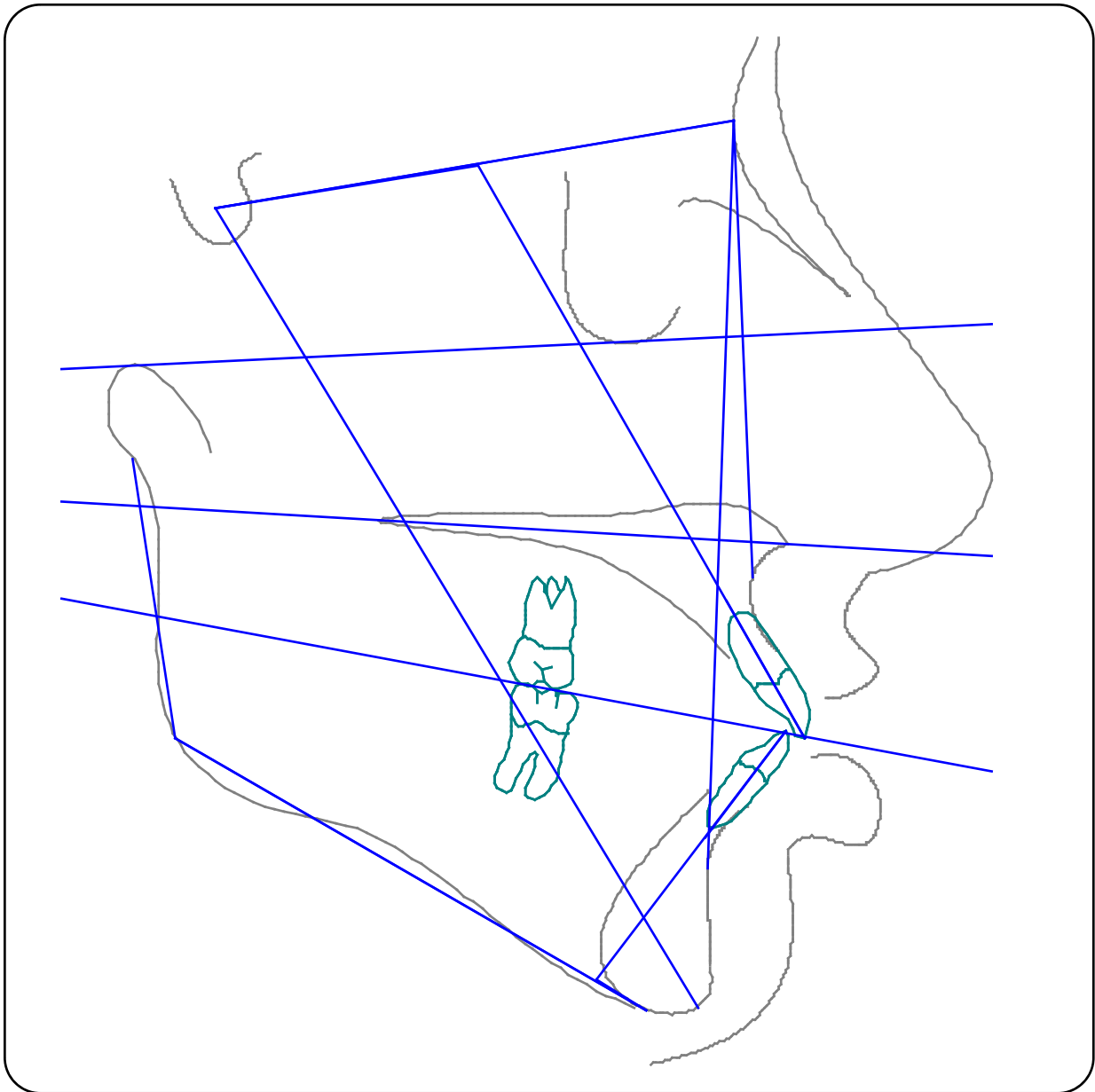
Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
Maxilla To Cranium							
SNA		Deg	82.0	2.0	82.78	-(*)+	
NA To F.H.		Deg	90.0	6.0	89.59	-(*)+	
Mandible To Cranium							
FACIAL ANGLE	FH-N-Pog	Deg	87.8	3.6	85.61	-(*)+	
SNB		Deg	79.0	2.0	78.41	-(*)+	
SN-Pg		Deg	80.0	5.0	78.81	-(*)+	
Maxilla To Mandible							
ANB		Deg	2.0	2.0	4.37	-(*)+	Class II relationship
WITS		mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem
McNamaras (Harvolds) Triangle							
Mandibular length		mm	114.0	5.0	158.61	-(*)+	
Maxillary length		mm	114.0	5.0	126.73	-(*)+	
Mdb-Mx difference		mm			31.88	-()+	
LOWER FACE HEIGHT	ANS-Gn	%	55.0	3.0	53.29	-(*)+	
ANGLE CONVEXITY (DOWNS)		Deg	180.0	5.0	171.4	-(*)+	Maxilla forward to mandible (Convex)
Axial Inclination Of Teeth							
UPPER I TO SN		Deg	103.0	4.0	110.04	-(*)+	Upper incisor proclined forward
UPPER I TO FRANKFORT		Deg	100.0	5.0	116.85	-(*)+	Upper incisor proclined forward
LOWER I TO GOGN		Deg	90.0	5.0	97.04	-(*)+	lower incisor proclined forward
Interincisal Angle	/1 to 1/	Deg	131.0	13.0	113.28	-(*)+	Protruded Incisor relationship
Growth Direction							
Y-Axis-Vert/Hor.Growth	Sgn - FH	Deg	59.5	6.5	61.66	-(*)+	
MAND PLANE ANGLE	FH to GoGn	Deg	28.0	3.0	30.06	-(*)+	
RATIO		%	55.0	3.0	53.29	-(*)+	
Soft Tissue							
E-PLANE		mm	-2.0	2.0	4.74	-(*)+	Lower lip protruded
UPPER LIP to E-LINE		mm	-4.0	2.0	-5.96	-(*)+	
LOWER LIP to E-LINE		mm	-2.0	2.0	4.74	-(*)+	Lower lip protruded
Naso Labial Angle		Deg	100.0	10.0	96.93	-(*)+	

McGann Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
PL-MAND PLANE		Deg	25.0	3.0	26.71	-(*)+	
Y-AXIS(JARABAK)		Deg	67.0	3.0	68.47	-(*)+	
MAXILLARY SKELETAL	A to Na Perp	mm	1.0	2.0	-0.59	-(*)+	
SNA		Deg	82.0	2.0	82.78	-(*)+	
Mandible to Cranium		mm	-3.0	7.0	-11.93	-(*)+	
SNB		Deg	80.0	2.0	78.41	-(*)+	
ANB		Deg	2.0	2.0	4.37	-(*)+	Class II relationship
Interincisal Angle	/1 to 1/	Deg	131.0	13.0	113.28	-(*)+	Protruded Incisor relationship
LOWER I TO NB		Deg	22.0	4.0	35.07	-(*)+	lower incisor proclined forward
UI to SN		Deg	103.0	4.0	110.04	-(*)+	Upper incisor too protruded
UI to A-Pog		mm	2.7	3.1	12.81	-(*)+	Upper Incisor Protruded
UI to Mcnamara Line	1/to A vertical to FH	mm	4.0	3.0	8.14	-(*)+	
Naso Labial Angle		Deg	100.0	10.0	96.93	-(*)+	
Condylion - Gnathion	CD to Gn	mm	114.0	4.3	150.14	-(*)+	Gender/Age related
Condylion - A point	CD to A pt	mm	85.0	4.8	116.48	-(*)+	Gender/age related
Menton - ANS	ANS to Me	mm	60.0	3.8	89.73	-(*)+	

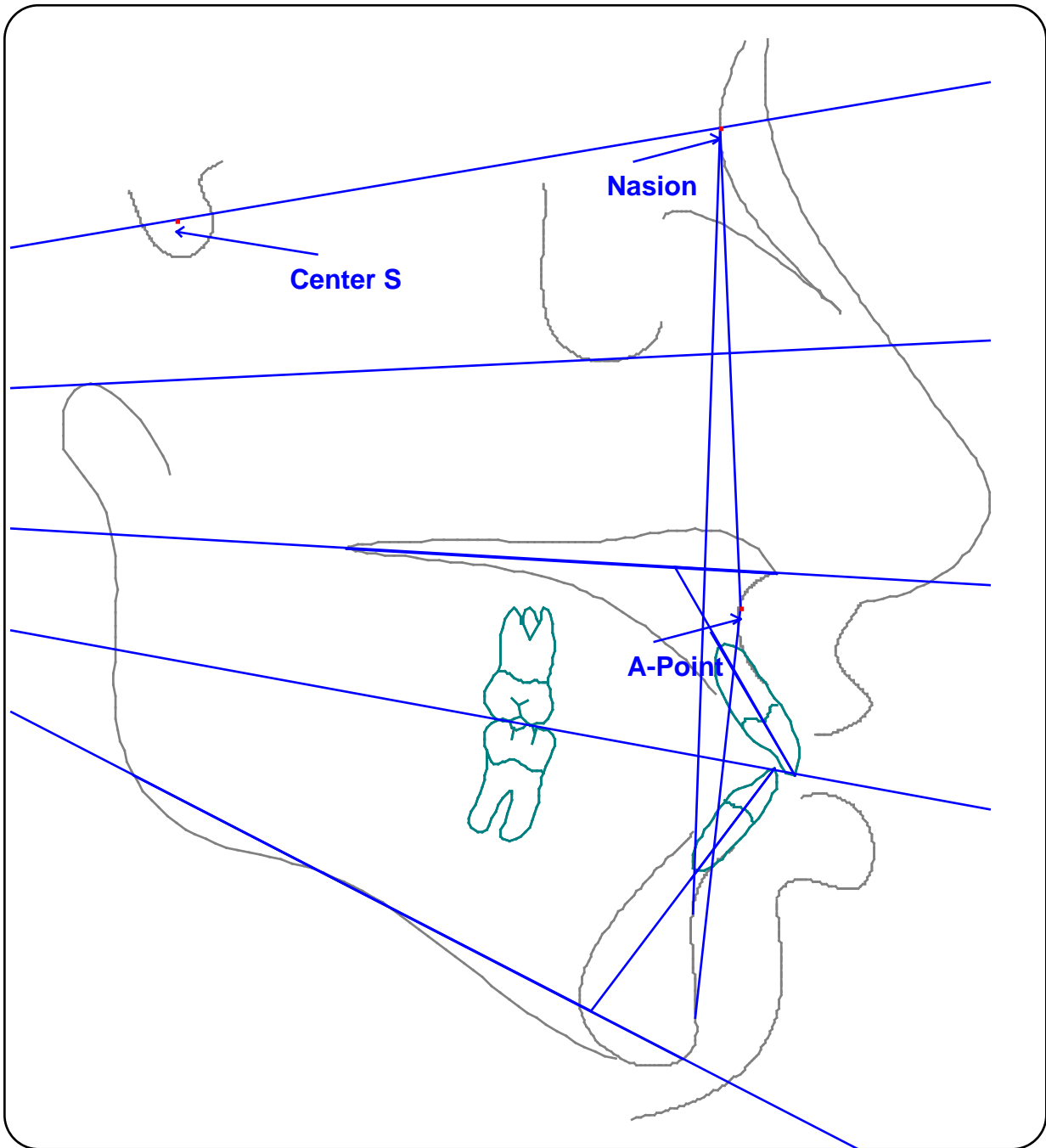


McLaughlin Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
SNA		Deg	82.0	2.0	82.78	-(*)+	
SNB		Deg	80.0	2.0	78.41	-(*)+	
ANB		Deg	2.0	2.0	4.37	-(*)+	Class II relationship
A-N P. FH	A to Na Perp	mm	0.0	2.0	-0.59	-(*)+	
Po-N P. FH	Pog to Na Perp	mm	-4.0	4.4	-11.93	-(*)+	Mandible Retrognathic
WITS		mm	-1.0	1.0	-1.54	-(*)+	
GOGN-SN		Deg	32.0	4.0	39.61	-(*)+	High angle case
FM		Deg	26.0	3.0	30.06	-(*)+	High Mandibular Plane
MM		Deg	28.0	3.0	23.98	-(*)+	Low Mandibular Plane
UI to A-Po		mm	6.0	3.1	12.81	-(*)+	Upper Incisor Protruded
LI to A-Po		mm	2.0	2.0	9.19	-(*)+	lower incisor proclined forward
UI to MAX PLANE		Deg	110.0	5.0	122.94	-(*)+	Upper incisor proclined forward
LI to MAND PLANE		Deg	95.0	3.7	97.04	-(*)+	

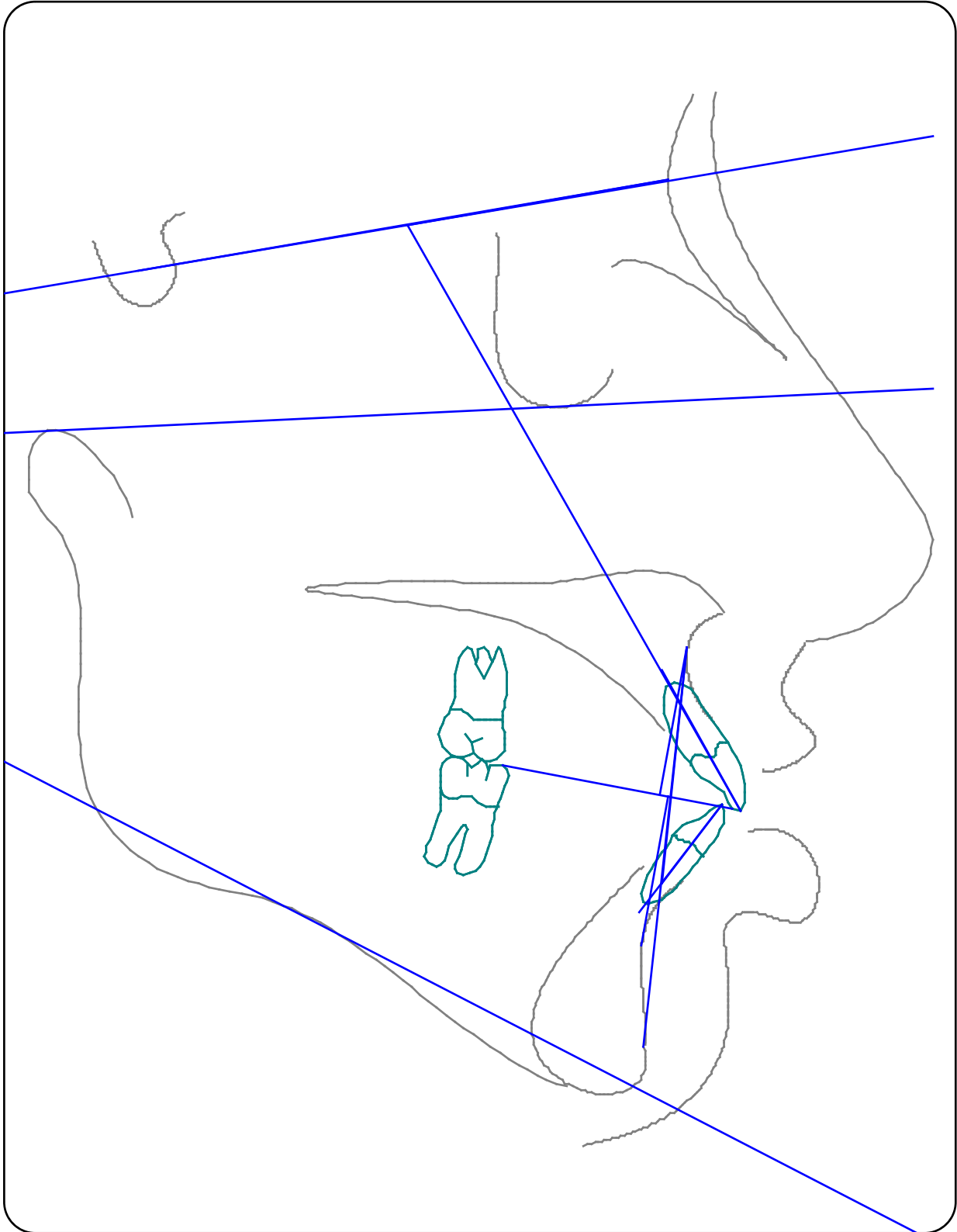


MidContinent Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
Lower Incisor to APog		mm	0.0	2.0	9.19	-(*)+	lower incisor proclined forward
Wits		mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem
SN-MP		Deg	33.0	4.0	39.61	-(*)+	High angle
SNA		Deg	82.0	2.0	82.78	-(*)+	
SNB		Deg	80.0	2.0	78.41	-(*)+	
ANB		Deg	2.0	2.0	4.37	-(*)+	Class II relationship
UI to SN		Deg	103.0	4.0	110.04	-(*)+	Upper incisor too protruded



Modified Steiner Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
SKELETAL							
SNA Angle		Deg	82.0	2.0	82.78	-(*)+	
SNB Angle		Deg	79.0	2.0	78.41	-(*)+	
ANB Angle		Deg	2.0	2.0	4.37	-(*)+	Class II relationship
WITS		mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem
UPPER FACE HEIGHT	N-ANS	%	45	3.0	48.0	-(*)+	
LOWER FACE HEIGHT	ANS-Gn	%	55.0	3.0	53.29	-(*)+	
GOGN-SN Angle		Deg	32.0	4.0	39.61	-(*)+	High angle case
POG to NB Distance		mm	1.0		1.07	-()+	
Occ to SN Angle		Deg	14.0	3.0	20.02	-(*)+	Open Occ plane
Y AXIS to SN Angle		Deg	67.0	3.0	68.47	-(*)+	
Nasion Perpendicular		mm	2.0	2.0	-0.59	-(*)+	
Lower Border Projection		Deg	10.0	10.0	15.19	-(*)+	
Upper Inc. to NA Dist.		mm	4.0	2.0	8.35	-(*)+	Upper incisor protruded
Upper Inc. to NA Angle		Deg	22.0	4.0	27.26	-(*)+	Upper incisor proclined forward
Lower Inc. to NB Dist.		mm	4.0	2.0	13.5	-(*)+	Lower Incisor Protruded
Lower Inc. to NB Angle		Deg	25.0	4.0	35.07	-(*)+	Lower Incisor proclined forward
Interincisal Angle	/1 to 1/	Deg	131.0	13.0	113.28	-(*)+	Protruded Incisor relationship
Lower Inc. to APo Dist.		mm	1.0	2.0	9.19	-(*)+	Lower Incisor proclined forward
6 - 6 to PTM		mm	19.0	4.0	40.09	-(*)+	
Facial							
Soft Tissue Upper Lip		mm	-4.0	2.0	-3.05	-(*)+	
Soft Tissue Lower Lip		mm	-2.0	2.0	6.32	-(*)+	Lower lip protruded

Modified Steiner Cont. Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
------------	-------	------	------	----	---------	-------	---------



Sassouni Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
Max. Position		mm	0.0	2.0	3.42	-(*)+	Normal
Mand. Position		mm	0.0	2.0	9.59	-(*)+	Protrusive Mandible
Maxilla to Mandible		mm	0.0	2.0	5.84	-(*)+	Patient Has Class III Pattern
Maxillary Bases		mm	0.0	2.0	4.32	-(*)+	Protrusive Mandible Class III
Position Gonion		mm	0.0	2.0	1.97	-(*)+	Normal
Position Incisor		mm	0.0	2.0	8.78	-(*)+	Upper Incisor Protrusive
Position Molar		mm	0.0	2.0	7.5	-(*)+	Upper Molar Anterior
Anterior facial height		mm	0.0	2.0	7.84	-(*)+	Long Anterior Lower Face Height
Posterior facial height		mm	0.0	2.0	-7.06	-(*)+	Short Posterior Lower Face Height



Sassouni Plus Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Patient
HORIZONTAL INTERPRETATIONS	
Skeletal AP (Relation of Mandible to Maxilla)	
B point to the A Arc	4.32
Pogonion to the ANS Arc	5.84
Strong Class III Relationship	
Maxilla Length (Relative to the Cranium)	
ANS to PNS	75.38
Cr Vertical Line to Anterior Arc	59.95
The Maxilla Is Long Posteriorly	
Maxilla Position (Relative to the Cranium)	
ANS to the Anterior Arc	3.42
PNS to the Cr Vertical Line	2.9
The Postion Of The Maxilla Is Forward	
Maxillary Lip Angle (Norm: 100 to 115 Degrees)	87.2
Maxillary Lip Is Retruded	
Mandible Length (Relative to the Cranium)	
Pogonion to Constructed Gonion	99.25
Anterior Arc to Posterior Arc	100.21
Mandible Length Relative To Cranium Is Long Anteriorly	
Mandible Position (Relative to the Cranium)	
Pogonion to the Anterior Arc	9.59
Constructed Gonion to the Posterior Arc	1.97
Mandible is in an undefined position relative to cranium	
VERTICAL INTERPRETATIONS	
Skeletal Vertical (mm) (Relation between ANS-SOr and ANS-Me)	7.84
Open Bite Relationship	
Palatal Plane Inclination (deg) (Relative to Optic Plane)	6.08
The Bite Is Closing	
DENTAL INTERPRETATIONS	
Maxillary Incisor Position (Norm: 0 to plus 4 mm)	8.78
The Maxillary Incisor Is Anteriorly Positioned	
Maxillary Incisor Angle (Norm: 110 to 113 deg)	122.94
The Maxillary Incisor Is Proclined	
Mandibular Incisor Angle (Norm: 90 to 100 deg)	97.04
The Mandibular Incisor Is Normaly Inclined	
Mx Molar Position (Norm: located on Mid-Facial Arc)	7.5
The Maxillary Molar Is Normaly Positioned	

Sassouni Plus Cont. Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

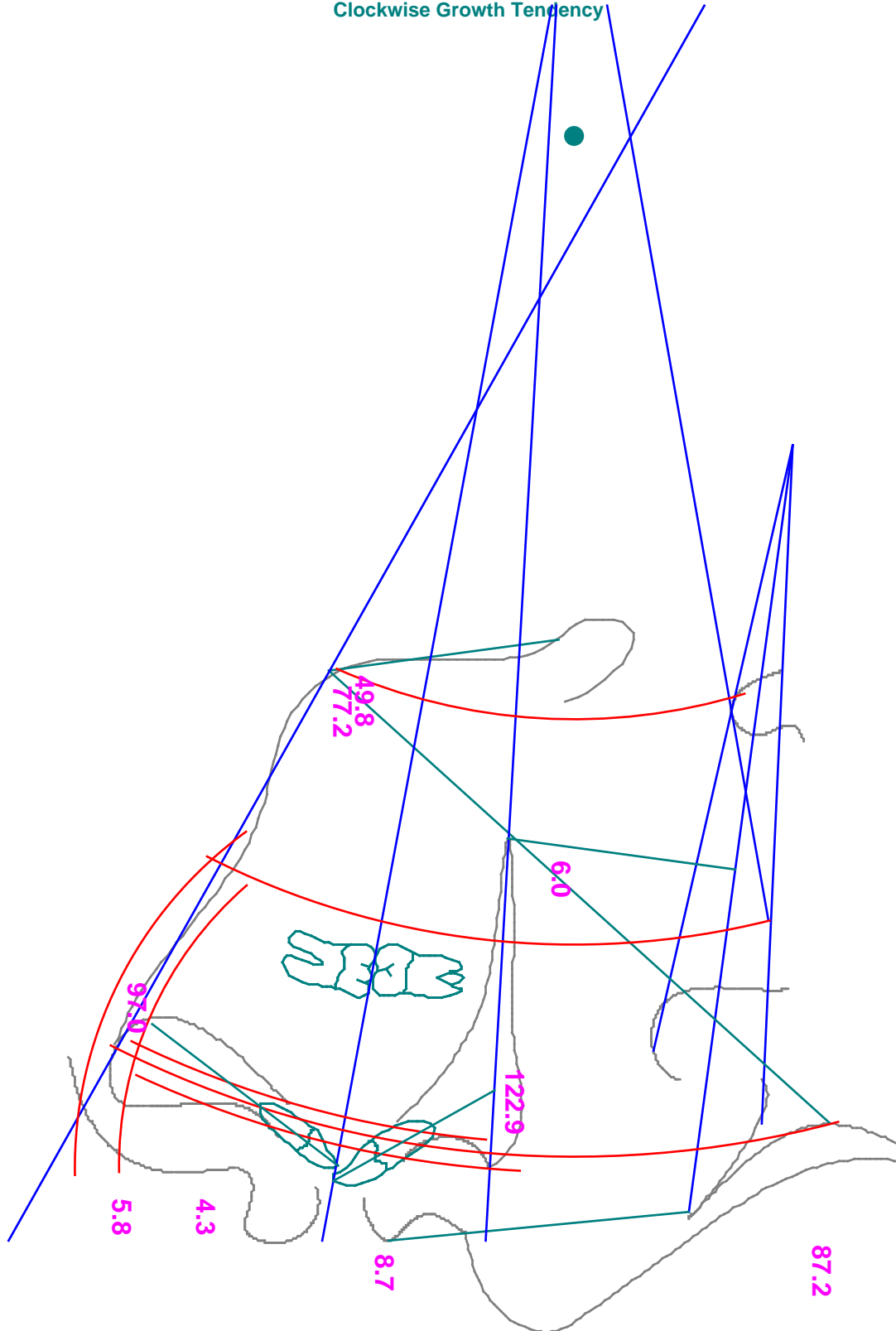
Descriptor	Patient
------------	---------

PROMINENT DIRECTION OF GROWTH

Upper Angle	49.81
-------------	-------

Lower Angle	77.25
-------------	-------

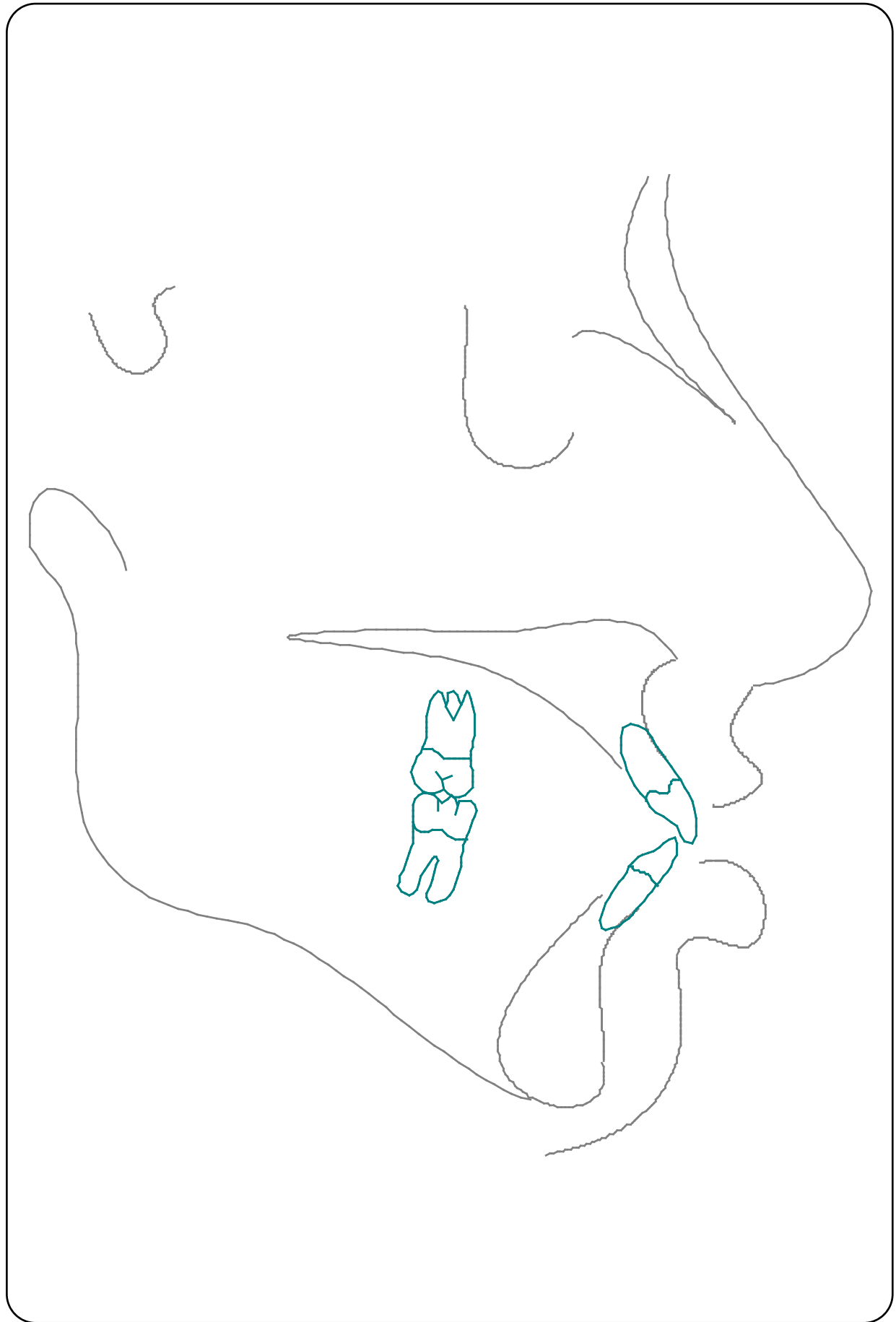
Clockwise Growth Tendency



##BCO## Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

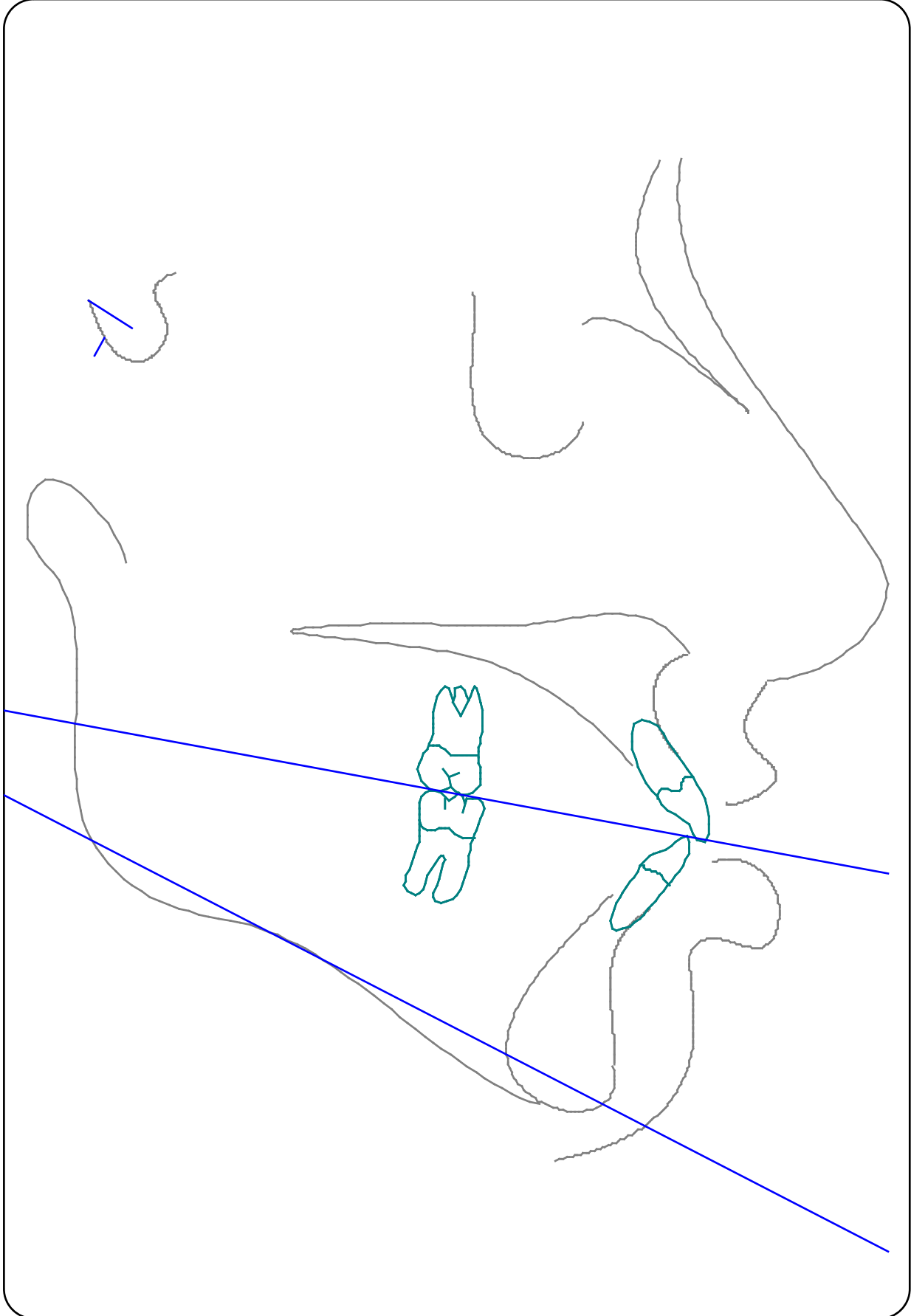


Abraham Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
OM	Occ PLane-Mand Plane	Deg	20.0	5.0	19.58	-(*)+	
Vertical Proportion		%	45.0	3.0	52.0	-(*)+	Long lower face

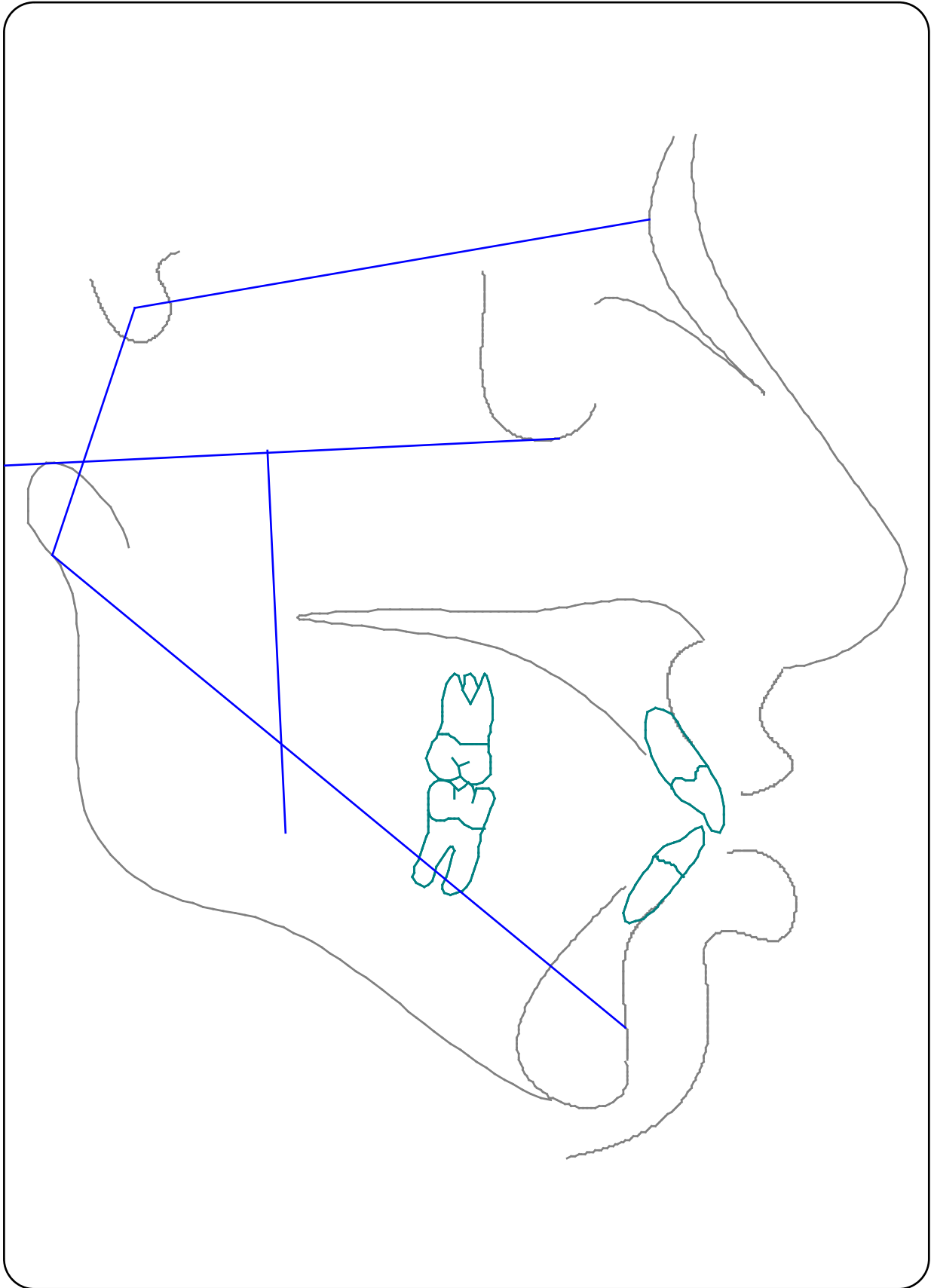


custom1 Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
S-N-Ar		Deg	120.0	5.0	117.86	-(*)+	
AR SUP POG		mm	100.0	5.0	137.75	-(*)+	big mand
mandible position							
pmf vert gonial		mm	8.0	3.0	-9.28	-(*)+	



Geisler Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
MAX. POSITION							
MAX DEPTH	FH to N-A	Deg	95.0	5.0	89.59	-(*)+	Maxilla distal to Base
MAX HEIGHT	N-PTV to A pt	Deg	54.0	5.0	60.07	-(*)+	Large Max height
SN TO PALATAL PLANE		Deg	3.0	5.0	12.89	-(*)+	
MAND. POSITION							
FACIAL DEPTH	FH to N-Pog	Deg	90.0	4.0	85.61	-(*)+	Retrognathic Mandible
FACIAL AXIS	Na-Ba to PTV-Gn pt	Deg	90.0	4.0	86.11	-(*)+	
FACIAL TAPER	Na-Gn-Go	Deg	67.0	4.0	65.0	-(*)+	
MAND. PLANE	FH-GoGn	Deg	28.0	3.0	30.06	-(*)+	
CORPUS LENGTH	Xi to Pm	mm	70.0	5.0	99.6	-(*)+	Large corpus length
MAND. ARC	DC-Xi to Xi-Pm	Deg	27.0	5.0	25.59	-(*)+	
MAX.TO MAND RELATIONSHIP							
A pt. CONVEXITY	A to N-Pog	mm	3.0	2.0	5.83	-(*)+	Class II Skeletal tendency
LOW.FACE.HEIGHT	ANS-Xi-Pog	Deg	47.0	5.0	43.66	-(*)+	
DENTURE RELATIONSHIP							
MAX.1 to APo		mm	6.0	3.0	12.81	-(*)+	Upper Incisor positioned forward
MAX.6 to PTV		mm	19.0		28.78	-()+	
MAND. 1 to APo		mm	1.0	2.0	9.19	-(*)+	Lower incisor protruded
HINGE AXIS ANGLE	DC - Go - LI	Deg	90.0	3.0	95.12	-(*)+	Open bite tendency
MAX.1 to MAND.1		Deg	131.0	5.0	113.28	-(*)+	Incisors too protruded
OVERJET		mm	2.5	2.0	3.48	-(*)+	
OVERBITE		mm	2.5	2.0	1.3	-(*)+	
ESTHETICS							
UPPER LIP to E-LINE		mm	-4.0	2.0	-5.96	-(*)+	
LOWER LIP to E-LINE		mm	-2.0	2.0	4.74	-(*)+	Lower lip protruded
A ANGLE		Deg	90.0	4.0	87.21	-(*)+	
NOSE		mm	18.0	2.0	20.91	-(*)+	
U/LIP : VERT		mm	3.0	3.0	4.15	-(*)+	
U/LIP : EMBR		mm	5.0	2.0	8.76	-(*)+	Upper lip too protruded
U/LIP A WIDTH		mm	13.0	2.0	18.3	-(*)+	
U/LIP VERMILLION / WIDTH		mm	12.0	2.0	14.0	-(*)+	
U/LIP TAPER / STRAIN		mm	2.0	1.0	4.3	-(*)+	Strain present
A/PT CNVXTY		mm	13.0	2.0	5.83	-(*)+	
H ANGLE		mm	VARIABLES		16.9	-()+	
L/LIP PROTRUSION		mm	1.0	1.0	-7.98	-(*)+	
L/LIP EMBR		mm	5.0	2.0	6.22	-(*)+	
SOFT POG		mm	10.0	5.0	14.37	-(*)+	

IOS Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

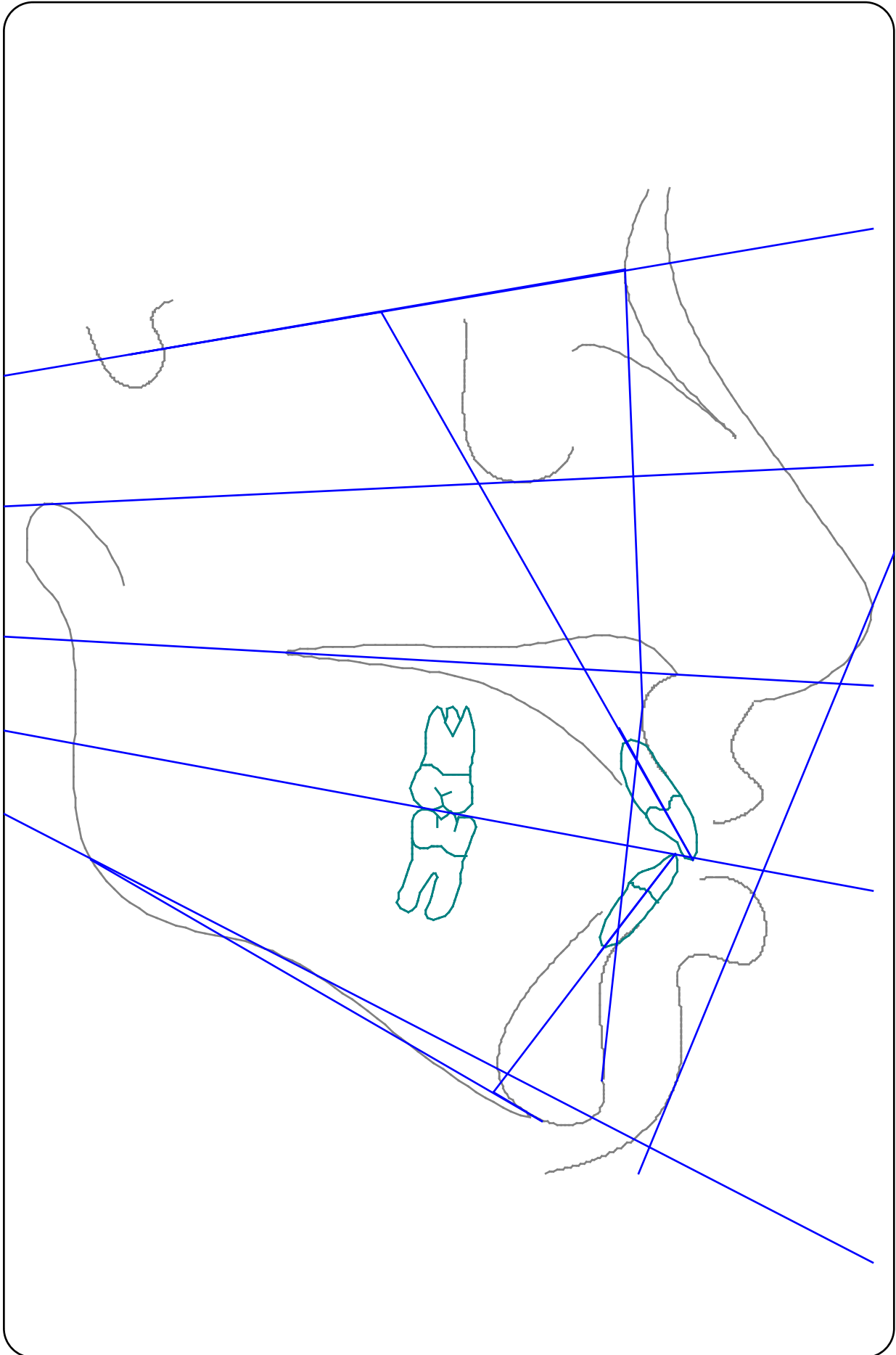
Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
Cranial Base							
SN-FH		Deg	7.0		6.81	-()+	
Maxilla to Cranial Base							
SNA		Deg	82.0	2.0	82.78	-(*)+	
N-VERT FH -A		mm	0.0	2.0	-0.59	-(*)+	
NA - F.H.		Deg	89.0	6.0	89.59	-(*)+	
Mandible to Cranial Base							
SNB		Deg	80.0	2.0	78.41	-(*)+	
Pog to Na perp		Deg	-7.0	1.0	11.94	-(*)+	
FACIAL ANGLE	FH-N-Pog	Deg	87.8	3.6	85.61	-(*)+	
Maxillo-Mandibular relations							
ANB		Deg	2.0	2.0	4.37	-(*)+	Class II relationship
N-A-Pog		Deg	0.0		8.6	-()+	
WITS		mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem
Vertical							
FMA		Deg	25.0	3.0	30.06	-(*)+	High Angle
GOGN-SN		Deg	32.0	4.0	39.61	-(*)+	High angle case
LOWER FACE HEIGHT	ANS-Gn	%	55.0	3.0	53.29	-(*)+	
Y AXIS	FH to S-Gn	Deg	59.4	3.8	61.66	-(*)+	
Dental							
UI-NA		Deg	22.0	4.0	27.26	-(*)+	Upper incisor proclined forward
UI-NA		mm	4.0	2.0	8.35	-(*)+	Upper incisor protruded
UI to SN		Deg	103.0	4.0	110.04	-(*)+	Upper incisor too protruded
UI to FH		Deg	100.0	5.0	116.85	-(*)+	Upper incisor proclined forward
UI to A-Pog		mm	2.7	3.1	12.81	-(*)+	Upper Incisor Protruded
LI-NB		Deg	25.0	4.0	35.07	-(*)+	lower incisor proclined forward
LI to MAND		Deg	90.0	3.7	97.04	-(*)+	Lower Incisor too protruded
LI-APOG		mm	1.0	2.0	9.19	-(*)+	lower incisor proclined forward
LI/UI		Deg	130.0	3.0	113.28	-(*)+	Incisors vertical
Soft Tissue							
Naso Labial Angle		Deg	100.0	10.0	96.93	-(*)+	
UPPER LIP to E-LINE		mm	-4.0	2.0	-5.96	-(*)+	
LOWER LIP to E-LINE		mm	-2.0	2.0	4.74	-(*)+	Lower lip protruded
McNamara							
Condylion - A point	CD to A pt	mm	85.0	4.8	116.48	-(*)+	Gender/age related
Condylion - Gnathion	CD to Gn	mm	114.0	4.3	150.14	-(*)+	Gender/Age related
MAND - MAX DIFF		mm	22.0	3.1	33.66	-(*)+	Gender/Age related
ANS-ME		mm	67.0	4.0	89.73	-(*)+	

IOS Cont. Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
------------	-------	------	------	----	---------	-------	---------

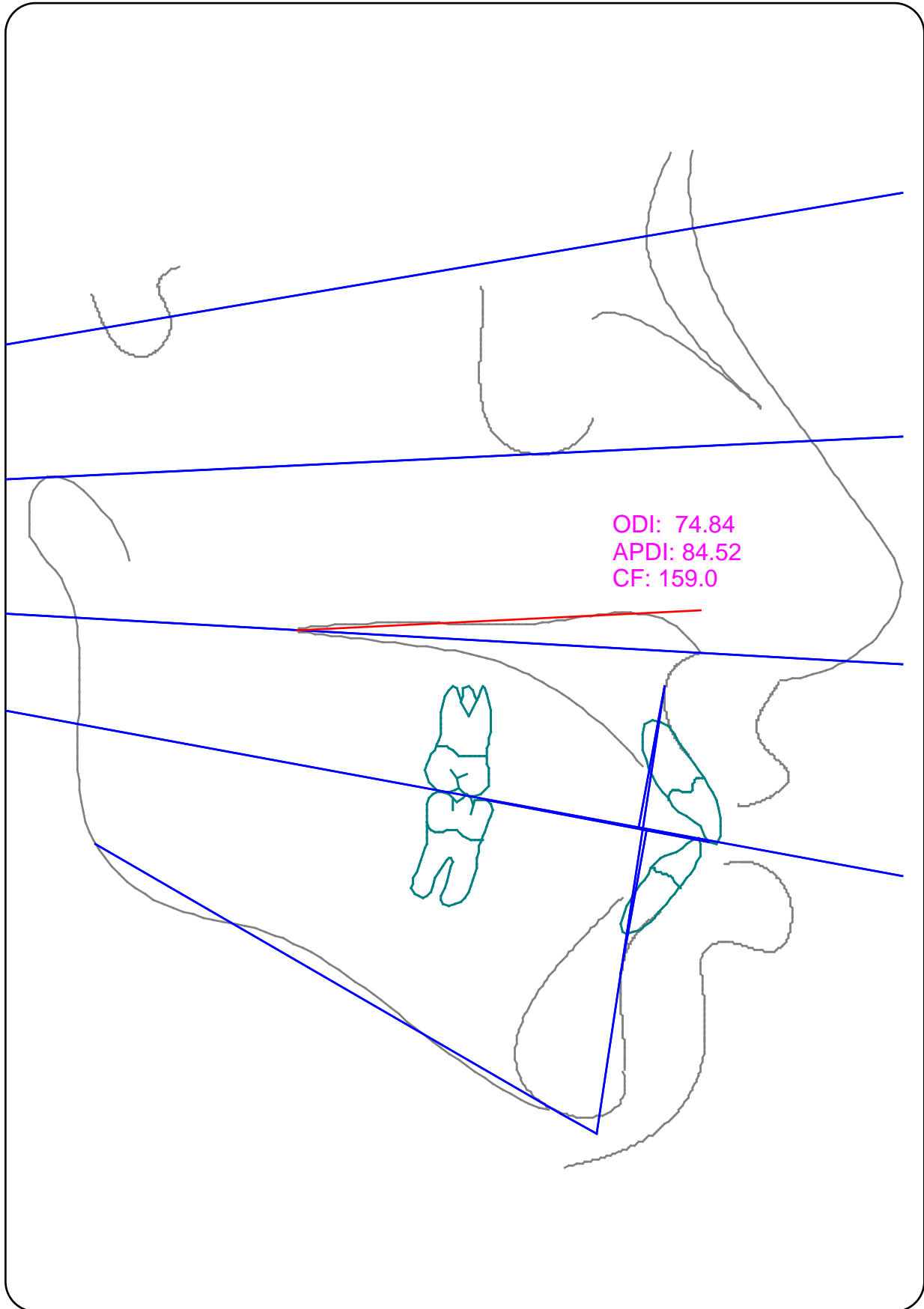


Knierim Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Mean	Sd	Patient	Graph	Comment
ODI	67.0	3.0	74.84	-(*)+	Skeletal Deep Bite * Extract with caution
APDI	82.0	8.0	84.52	-(*)+	
CF	153.0	2.0	159.0	-(*)+	treat non-extraction if esthetics permit



long analyses Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

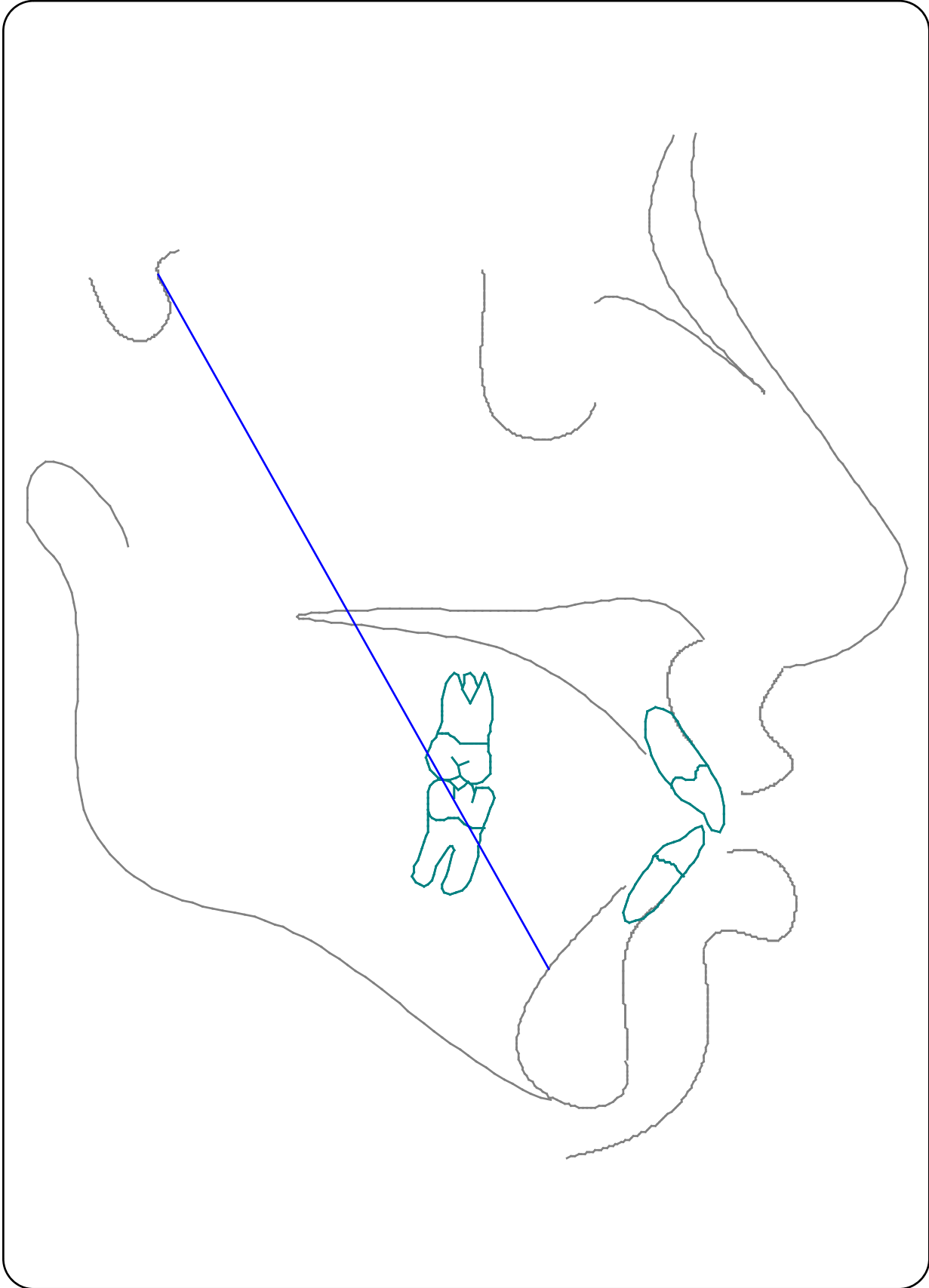
Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
MAX. POSITION							
MAX DEPTH	FH to N-A	Deg	95.0	5.0	89.59	-(*)+	Maxilla distal to Base
MAX HEIGHT	N-PTV to A pt	Deg	54.0	5.0	60.07	-(*)+	Large Max height
SN TO PALATAL PLANE		Deg	3.0	5.0	12.89	-(*)+	
MAND. POSITION							
FACIAL DEPTH	FH to N-Pog	Deg	90.0	4.0	85.61	-(*)+	Retrognathic Mandible
FACIAL AXIS	Na-Ba to PTV-Gn pt	Deg	90.0	4.0	86.11	-(*)+	
FACIAL TAPER	Na-Gn-Go	Deg	67.0	4.0	65.0	-(*)+	
MAND. PLANE	FH-GoGn	Deg	28.0	3.0	30.06	-(*)+	
CORPUS LENGTH	Xi to Pm	mm	70.0	5.0	99.6	-(*)+	Large corpus length
MAND. ARC	DC-Xi to Xi-Pm	Deg	27.0	5.0	25.59	-(*)+	
MAX.TO MAND RELATIONSHIP							
A pt. CONVEXITY	A to N-Pog	mm	3.0	2.0	5.83	-(*)+	Class II Skeletal tendency
LOW.FACE.HEIGHT	ANS-Xi-Pog	Deg	47.0	5.0	43.66	-(*)+	
DENTURE RELATIONSHIP							
MAX.1 to APo		mm	6.0	3.0	12.81	-(*)+	Upper Incisor positioned forward
MAX.6 to PTV		mm	19.0		28.78	-()+	
MAND. 1 to APo		mm	1.0	2.0	9.19	-(*)+	Lower incisor protruded
HINGE AXIS ANGLE	DC - Go - LI	Deg	90.0	3.0	95.12	-(*)+	Open bite tendency
MAX.1 to MAND.1		Deg	131.0	5.0	113.28	-(*)+	Incisors too protruded
OVERJET		mm	2.5	2.0	1.3	-(*)+	
OVERBITE		mm	2.5	2.0	3.48	-(*)+	
ESTHETICS							
UPPER LIP to E-LINE		mm	-4.0	2.0	-5.96	-(*)+	
LOWER LIP to E-LINE		mm	-2.0	2.0	4.74	-(*)+	Lower lip protruded
SNA		Deg	82.0	2.0	82.78	-(*)+	
SNB		Deg	80.0	2.0	78.41	-(*)+	
ANB		Deg	2.0	2.0	4.37	-(*)+	Class II relationship
I/ to NA		Deg	22.0	4.0	27.26	-(*)+	Upper incisor proclined forward
I/ to NA		mm	4.0	2.0	8.35	-(*)+	Upper incisor proclined forward
I/ to NB		Deg	25.0	4.0	35.07	-(*)+	Lower Incisor positioned forward
I/ to NB		mm	4.0	2.0	13.5	-(*)+	Lower 1 too protruded
I/ to I		Deg	131.0	3.0	113.28	-(*)+	Incisors vertical
Occ to SN		Deg	14.0	3.0	20.02	-(*)+	Open Occ plane
GOGN-SN		Deg	32.0	4.0	39.61	-(*)+	High angle case
POG to NB		mm	1.0		1.07	-()+	
GOGN-SN		Deg	32.0	4.0	39.61	-(*)+	High angle case
OM ANGLE (SCHUDY)		Deg	20.0	5.0	19.58	-(*)+	
Y-AXIS(JARABAK)		Deg	67.0	3.0	68.47	-(*)+	
Y-AXIS(DOWNS)		Deg	60.0	3.0	61.66	-(*)+	
JARABAK HEIGHT S-GO/N-ME		%	64.0	2.0	59.45	-(*)+	Large Anterior growth
PL-MAND PLANE		Deg	25.0	3.0	26.71	-(*)+	
ANT FACIAL HT(N-ANS-ME)		%	45	3.0	48.0	-(*)+	

retg Analysis



Doctor:Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph
/I to NB		Deg	25.0	4.0	35.07	-(*)+
/I to NB		mm	4.0	2.0	13.5	-(*)+
/I to NB		Deg	25.0	4.0	35.07	-(*)+
A ANGLE		Deg	90.0	4.0	87.21	-(*)+



TAU Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

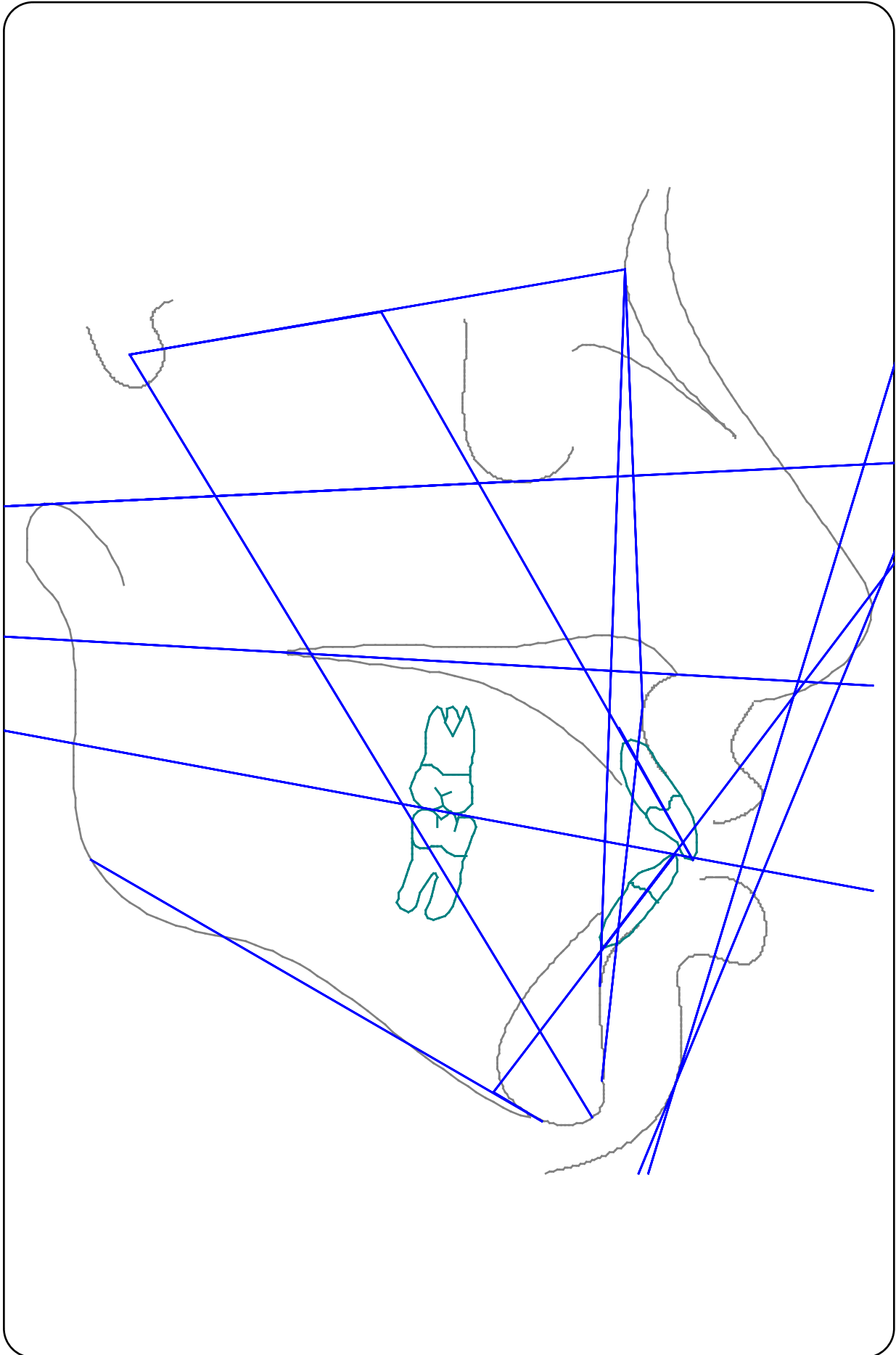
Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
Steiner							
SNA		Deg	82.0	2.0	82.78	-(*)+	
SNB		Deg	80.0	3.0	78.41	-(*)+	
ANB		Deg	2.0	2.0	4.37	-(*)+	
U/1 -NA	mm	mm	4.0		8.35	-()+	
U/1 -NA	deg	Deg	22.0		27.26	-()+	
L/1 -NB	mm	mm			13.5	-()+	
L/1 -NB	deg	Deg			35.07	-()+	
Po-NB	mm	mm			1.07	-()+	
Holdaway ratio	L1-NB:Pog-NB	mm	1.0	1.0	13.5	-(*)+	
U/1 to L/1		Deg	131.0	4.0	113.28	-(*)+	
Maxillary Dental							
U/1 to SN		Deg	103.0	4.0	110.04	-(*)+	
U/1 to FH		Deg	110.0	5.0	116.85	-(*)+	
Mandibular Dental							
LOWER I TO MP		Deg	90.0	5.0	97.04	-(*)+	lower incisor proclined forward
LI-APOG		mm	1.0	2.0	9.19	-(*)+	lower incisor proclined forward
Skeletal Sagittal							
ANGLE CONVEXITY (DOWNS)		Deg	180.0	5.0	171.4	-(*)+	Maxilla forward to mandible (Convex)
WITS		mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem
MDB-MX DIFFERENCE		mm			33.66	-()+	
N-VERT FH -A		mm	0.0	2.0	-0.59	-(*)+	
N-VERT -FH to Pog	mm	mm	-6.0	3.0	-11.93	-(*)+	Maxilla forward to Mandible
Skeletal Vertical							
Y-AXIS (Jarabak)		Deg	67.0	3.0	68.47	-(*)+	
JARABAK HEIGHT S-GO/N-ME		%	64.0	2.0	59.45	-(*)+	Large Anterior growth
ANT FACIAL HT(N-ANS-ME)		%	45	3.0	48.0	-(*)+	
OM ANGLE (SCHUDY)		Deg	20.0	5.0	19.58	-(*)+	
GOGN-SN		Deg	32.0	4.0	39.61	-(*)+	High angle case
FMA		Deg	28.0	3.0	30.06	-(*)+	
RICKETTS GROWTH AXIS		Deg	90.0	4.0	86.11	-(*)+	
Soft Tissue							
Naso Labial Angle		Deg	100.0	10.0	96.93	-(*)+	
U/LIP : SUBNASAL VERT		mm	3.0	3.0	4.15	-(*)+	
Soft A to H line		mm	5.0	2.0	8.77	-(*)+	Large Nasiolabial Curve
Ricketts E-line upper lip		mm	-4.0	2.0	-5.96	-(*)+	
Ricketts E-line lower lip		mm	-2.0	2.0	4.74	-(*)+	

TAU Cont. Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
------------	-------	------	------	----	---------	-------	---------



TAU Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

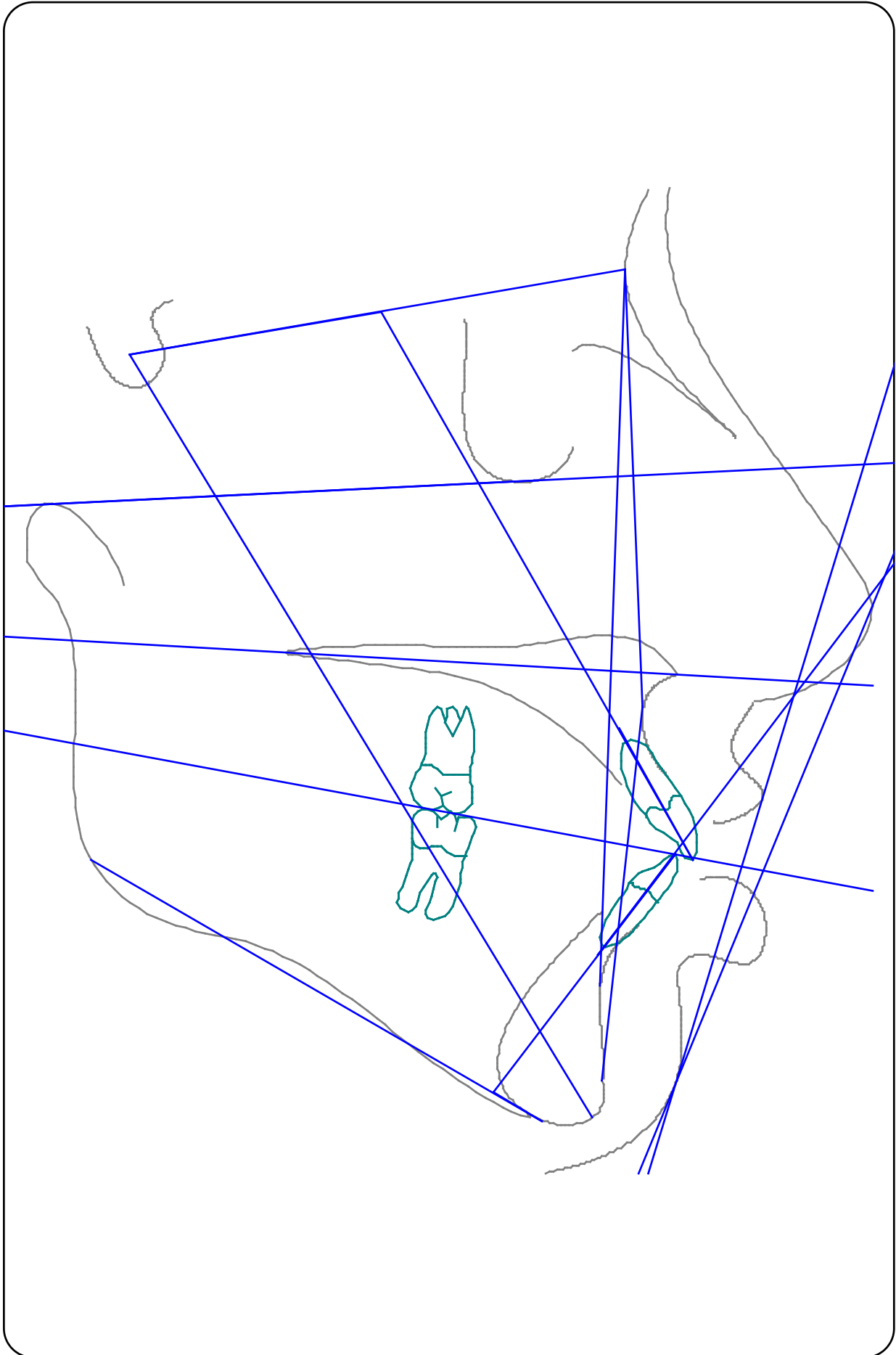
Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
Steiner							
SNA		Deg	82.0	2.0	82.78	-(*)+	
SNB		Deg	80.0	3.0	78.41	-(*)+	
ANB		Deg	2.0	2.0	4.37	-(*)+	
U/1 -NA	mm	mm	4.0	2.0	8.35	-(*)+	
U/1 -NA	deg	Deg	22.0	2.0	27.26	-(*)+	
L/1 -NB	mm	mm	4.0	2.0	13.5	-(*)+	
L/1 -NB	deg	Deg	25.0	2.0	35.07	-(*)+	
Po-NB	mm	mm			1.07	-()+	
Holdaway ratio	L1-NB:Pog-NB	mm	1.0	1.0	13.5	-(*)+	
U/1 to L/1		Deg	131.0	4.0	113.28	-(*)+	
Maxillary Dental							
U/1 to SN		Deg	103.0	4.0	110.04	-(*)+	
U/1 to FH		Deg	110.0	5.0	116.85	-(*)+	
Mandibular Dental							
LOWER I TO MP		Deg	90.0	5.0	97.04	-(*)+	lower incisor proclined forward
LI-APOG		mm	1.0	2.0	9.19	-(*)+	lower incisor proclined forward
Skeletal Sagittal							
ANGLE CONVEXITY (DOWNS)		Deg	180.0	5.0	171.4	-(*)+	Maxilla forward to mandible (Convex)
WITS		mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem
MDB-MX DIFFERENCE		mm			33.66	-()+	
N-VERT FH -A		mm	0.0	2.0	-0.59	-(*)+	
N-VERT -FH to Pog	mm	mm	-6.0	3.0	-11.93	-(*)+	Maxilla forward to Mandible
Skeletal Vertical							
Y-AXIS (Jarabak)		Deg	67.0	3.0	68.47	-(*)+	
JARABAK HEIGHT S-GO/N-ME		%	64.0	2.0	59.45	-(*)+	Large Anterior growth
ANT FACIAL HT(N-ANS-ME)		%	45	3.0	48.0	-(*)+	
OM ANGLE (SCHUDY)		Deg	20.0	5.0	19.58	-(*)+	
GOGN-SN		Deg	32.0	4.0	39.61	-(*)+	High angle case
FMA		Deg	28.0	3.0	30.06	-(*)+	
RICKETTS GROWTH AXIS		Deg	90.0	4.0	86.11	-(*)+	
Soft Tissue							
Naso Labial Angle		Deg	100.0	10.0	96.93	-(*)+	
U/LIP : SUBNASAL VERT		mm	3.0	3.0	4.15	-(*)+	
Soft A to H line		mm	5.0	2.0	8.77	-(*)+	Large Nasiolabial Curve
Ricketts E-line upper lip		mm	-4.0	2.0	-5.96	-(*)+	
Ricketts E-line lower lip		mm	-2.0	2.0	4.74	-(*)+	

TAU Cont. Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
------------	-------	------	------	----	---------	-------	---------



Winnick Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

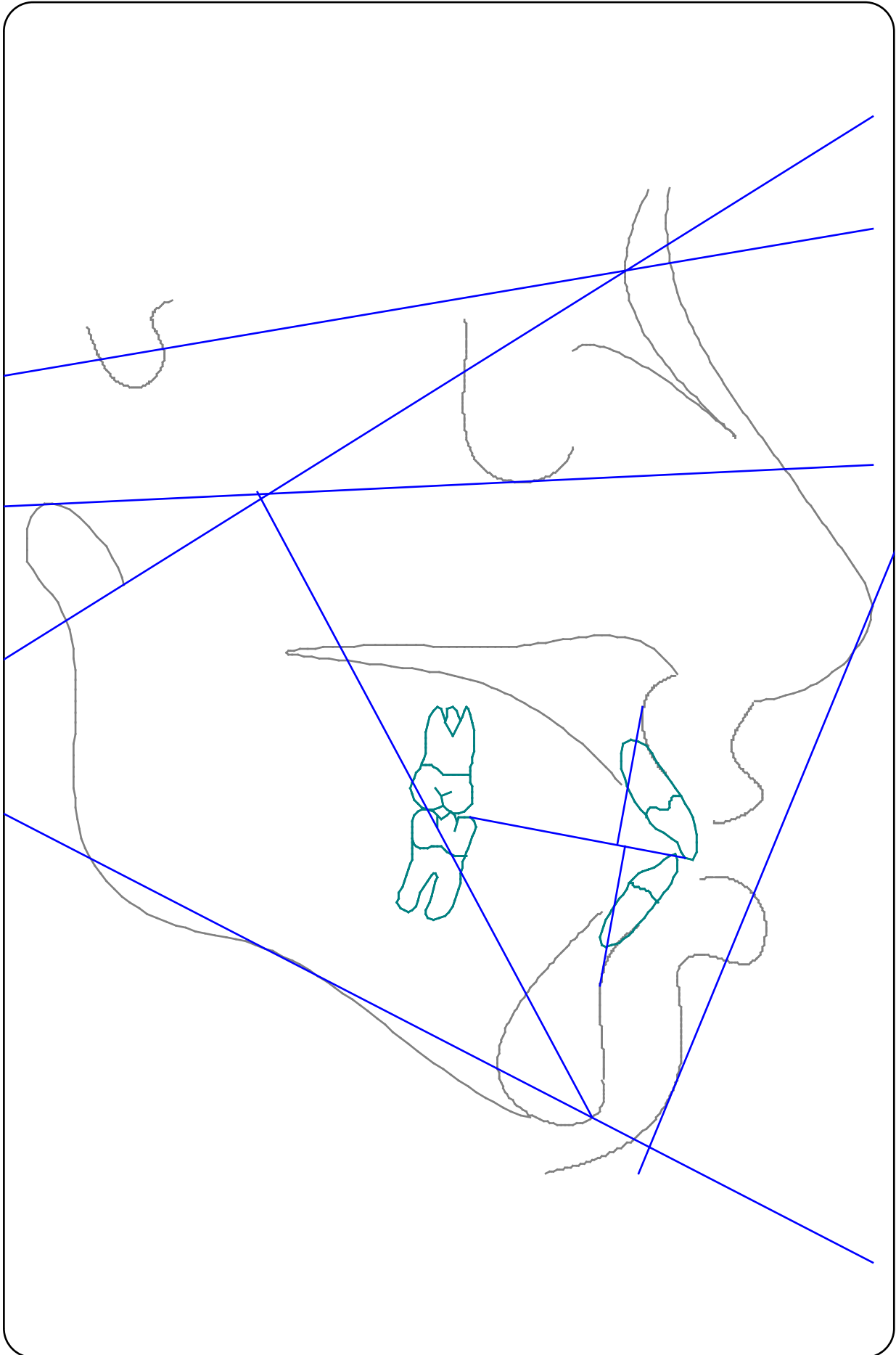
Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
DR Barry Winnick USDI							
Sagittal Skeletal							
SNA		Deg	82.0	2.0	82.78	-(*)+	
SNB		Deg	79.0	2.0	78.41	-(*)+	
ANB		Deg	2.0	2.0	4.37	-(*)+	Class II relationship
WITS		mm	0.0	1.0	-1.54	-(*)+	Class III Skeletal problem
N-VERT FH -A		mm	0.0	2.0	-0.59	-(*)+	
Pog to Na perp		Deg	-7.0	1.0	11.94	-(*)+	
VERTICAL							
Vertical Proportion		%	45.0	3.0	52.0	-(*)+	Long lower face
GOGN-SN		Deg	32.0	4.0	39.61	-(*)+	High angle case
Y AXIS to SN Angle		Deg	67.0	3.0	68.47	-(*)+	
FACIAL AXIS	Na-Ba to PTV-Gn pt	Deg	90.0	4.0	86.11	-(*)+	
DENTAL							
LI-APOG		mm	1.0	2.0	9.19	-(*)+	lower incisor proclined forward
UI to Mcnamara Line	1/to A vertical to FH	mm	4.0	3.0	8.14	-(*)+	
Interincisal Angle	/1 to 1/	Deg	131.0	13.0	113.28	-(*)+	Protruded Incisor relationship
Soft Tissue							
Ricketts E-line upper lip		mm	-4.0	2.0	-5.96	-(*)+	
Ricketts E-line lower lip		mm	-2.0	2.0	4.74	-(*)+	

Winnick Cont. Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
------------	-------	------	------	----	---------	-------	---------



Worman Analysis



Doctor: Zeev Abraham , Patient: Demo Patient , Age: 16 , Gender: Female , Date: 12-Nov-2009

Descriptor	Meas.	Type	Mean	Sd	Patient	Graph	Comment
L1 to AP line		Deg	22.0	4.0	30.85	-(*)+	Proclined
U1 to AP line		Deg	28.0	4.0	35.86	-(*)+	Proclined

