



PERSONAL DATA

NAME:

TINKARA BULOVEC

AGE:

11.JEARS 02. MONTH

PROFESION:

STUDENT

SEX:

FEMALE

CHIEF COMPLAINT:

DISTURBANCE OF TEET



HISTORY

AT AGE:

09.YEARS, 08. MONTH

THERAPY:

SPIRE ON 11, 21

PROTRUSION 22
WITH SHORT STICK







ESTHETIC ANALYSIS

CLASS II PROFILE

CONVEXITY PROFILE

LARGER LOWER THIRD

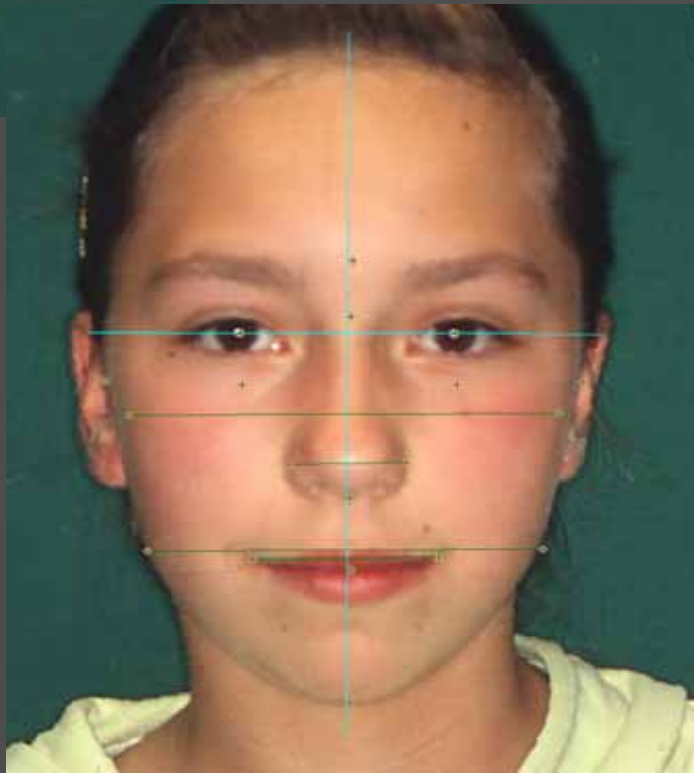
LONG FACE

OPEN NASIO LABIAL ANGLE

RETRODENTED AND CW ROTATED MANDIBULA

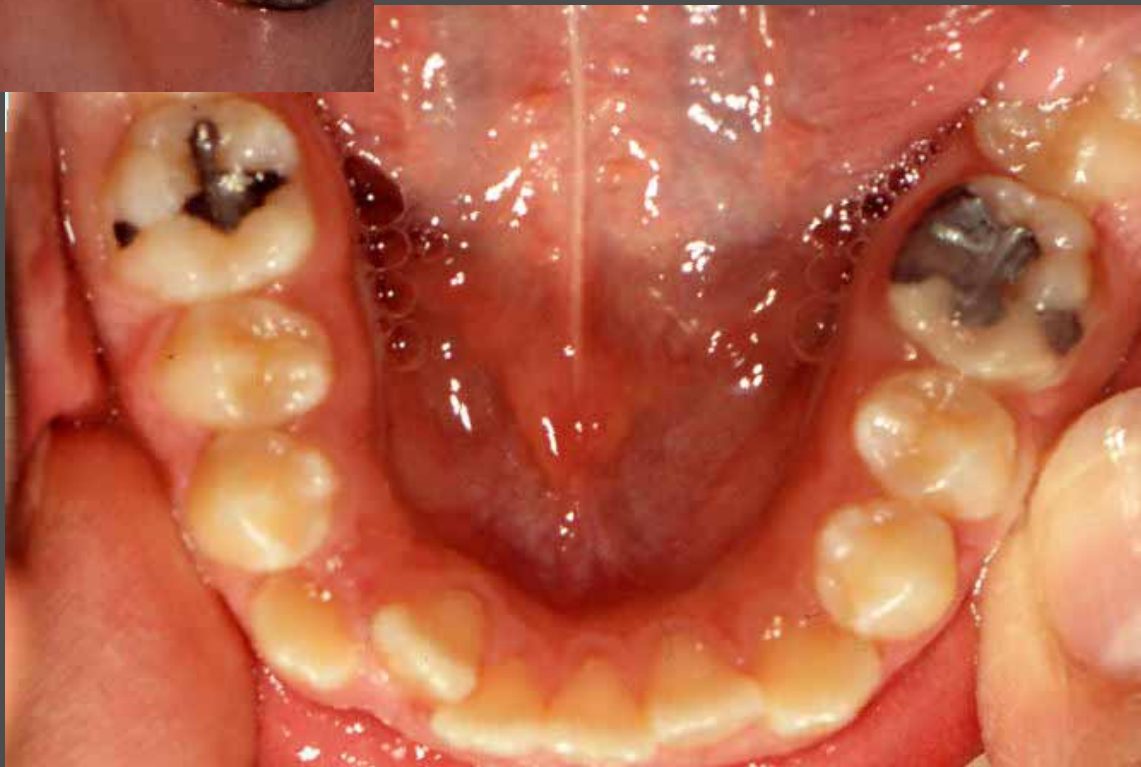
LOWER LIP STRAIN UPON CLOSURE

SLIGHT GUMMY SMILE



WELL BALANCED FACE IN FRONT
SYMMETRY IN FACE







OCCLUSAL ANALYSIS

- CLASS I. DENTAL**
- SMALL OVERJET**
- SMALL OVERBITE**
- HUGE MAXILLA**
- LARGE MANDIBLE**
- CROWDING IN LOW ARCH**
- LACK OF SPACE IN MAXILLA (-3,2 mm PARTICULARLY LEFT)**
- LACK OF SPACE IN MANDIBLE (-4.7mm)**
- WORN OUT TEETH 16, 26, 36, 46**
- SOME ROTATED TEETH**
- LOWER MID LINE DEVIATED IN RIGHT**

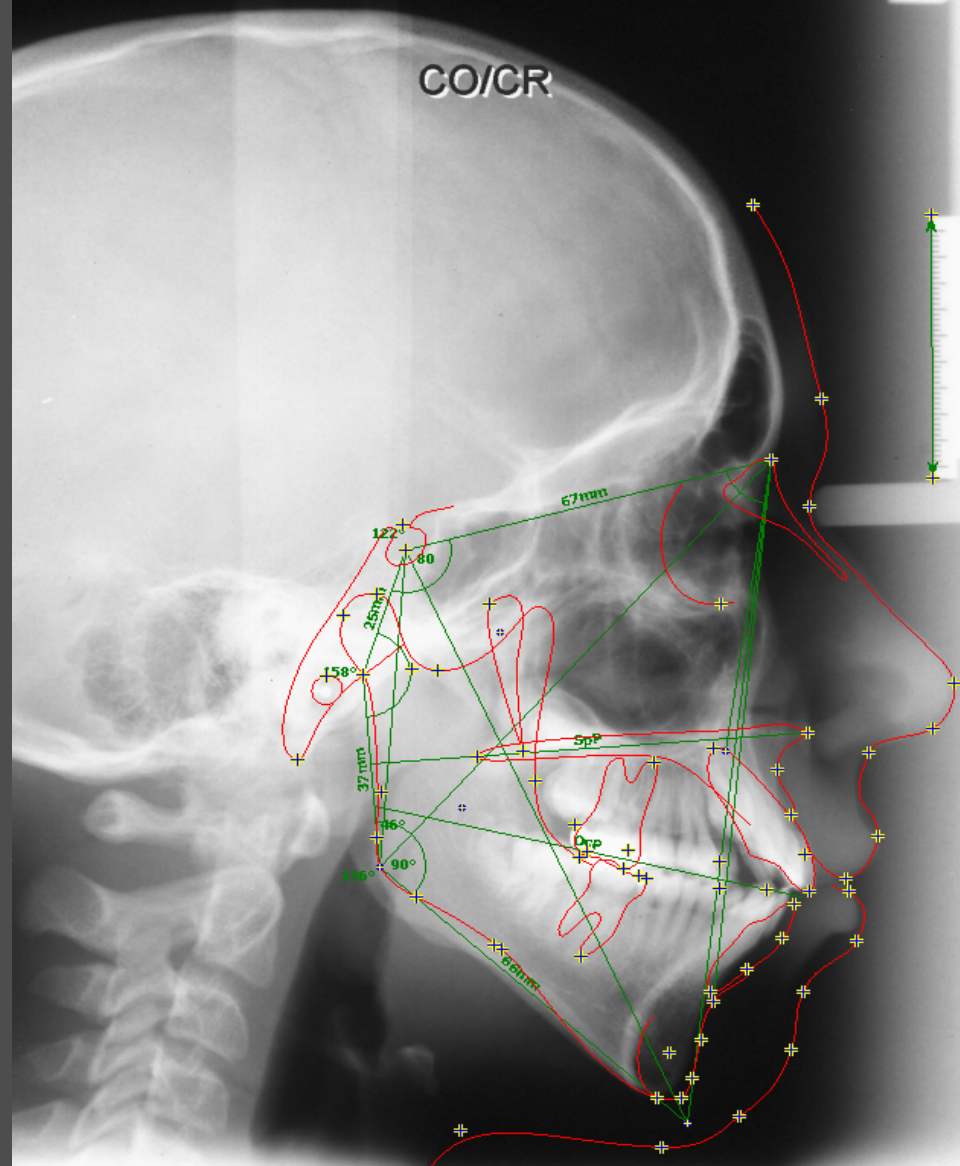
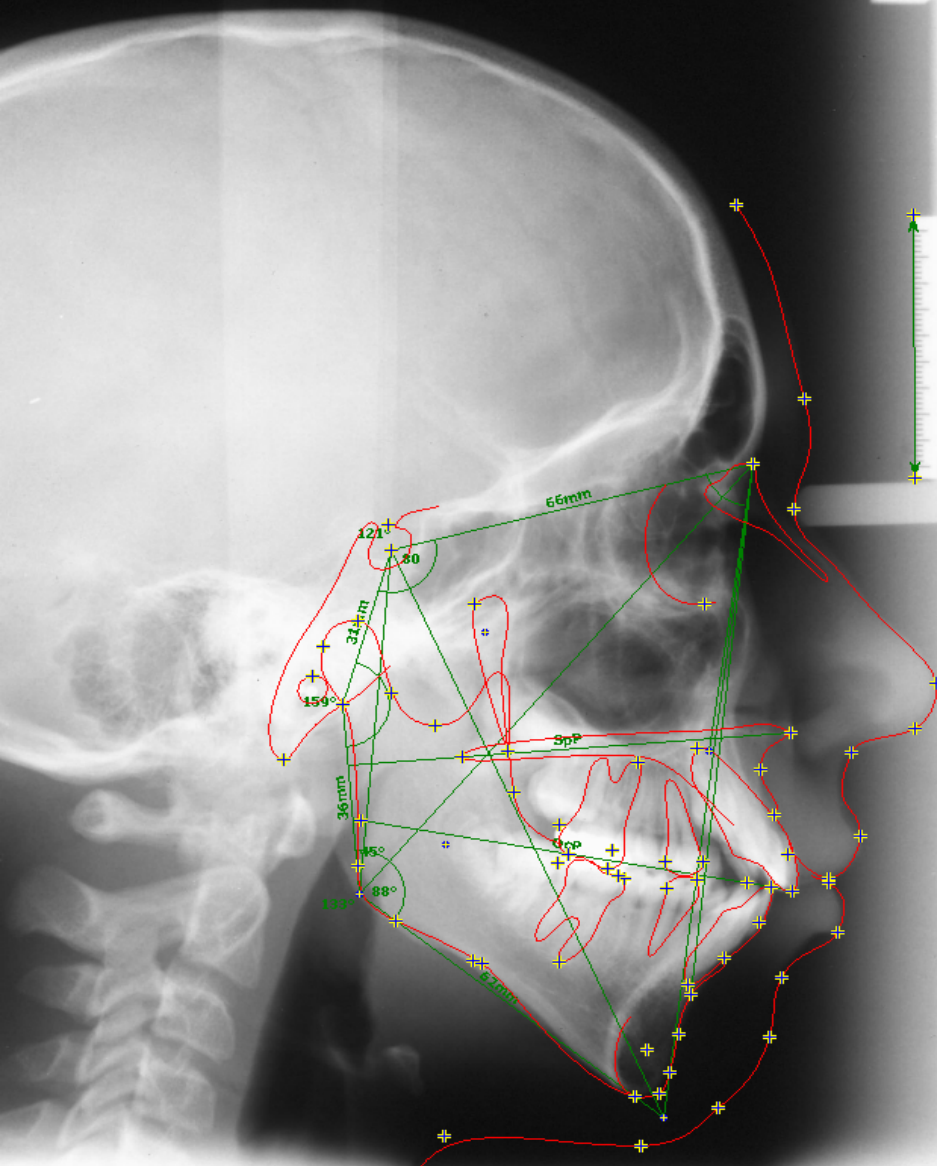


FONCTIONAL ANALYSIS

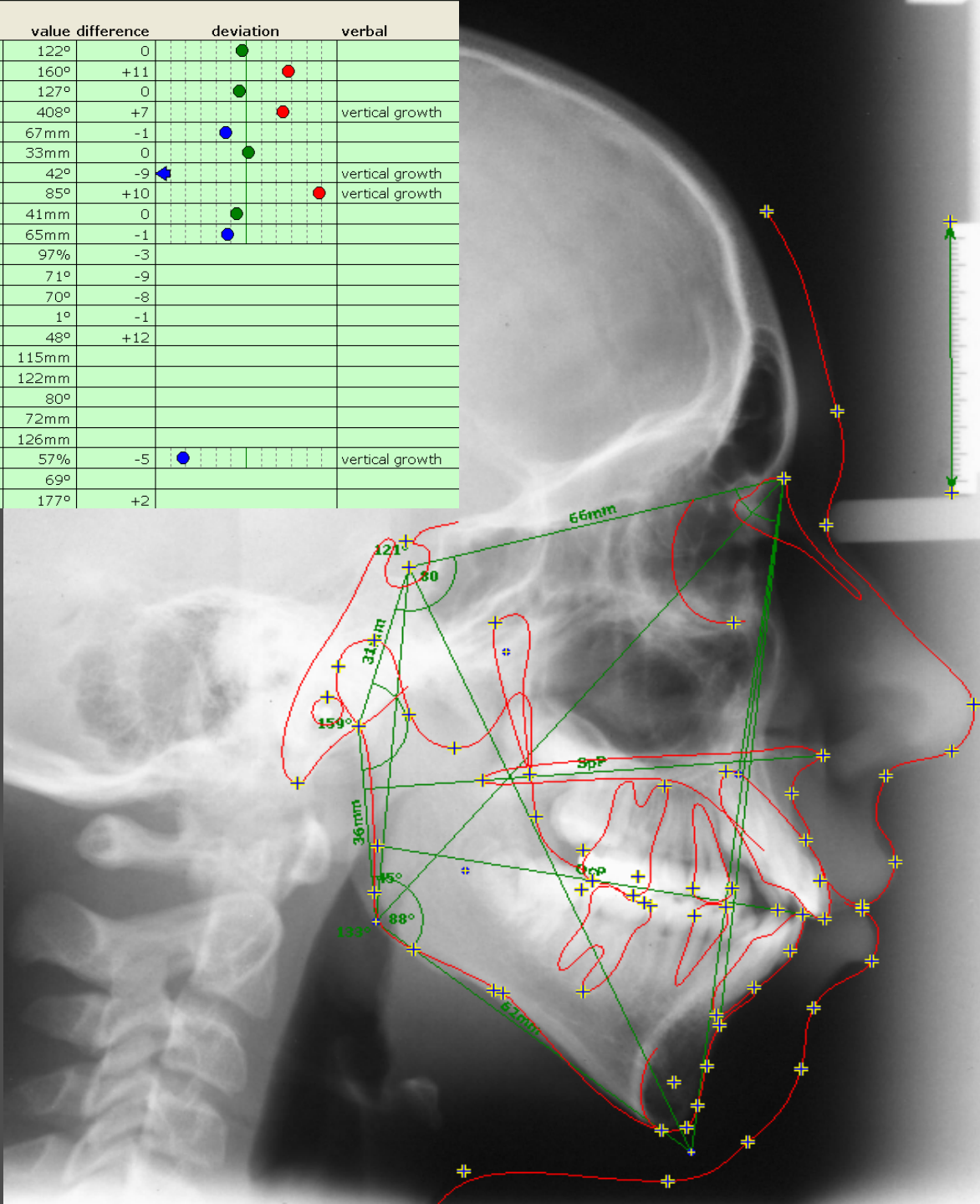


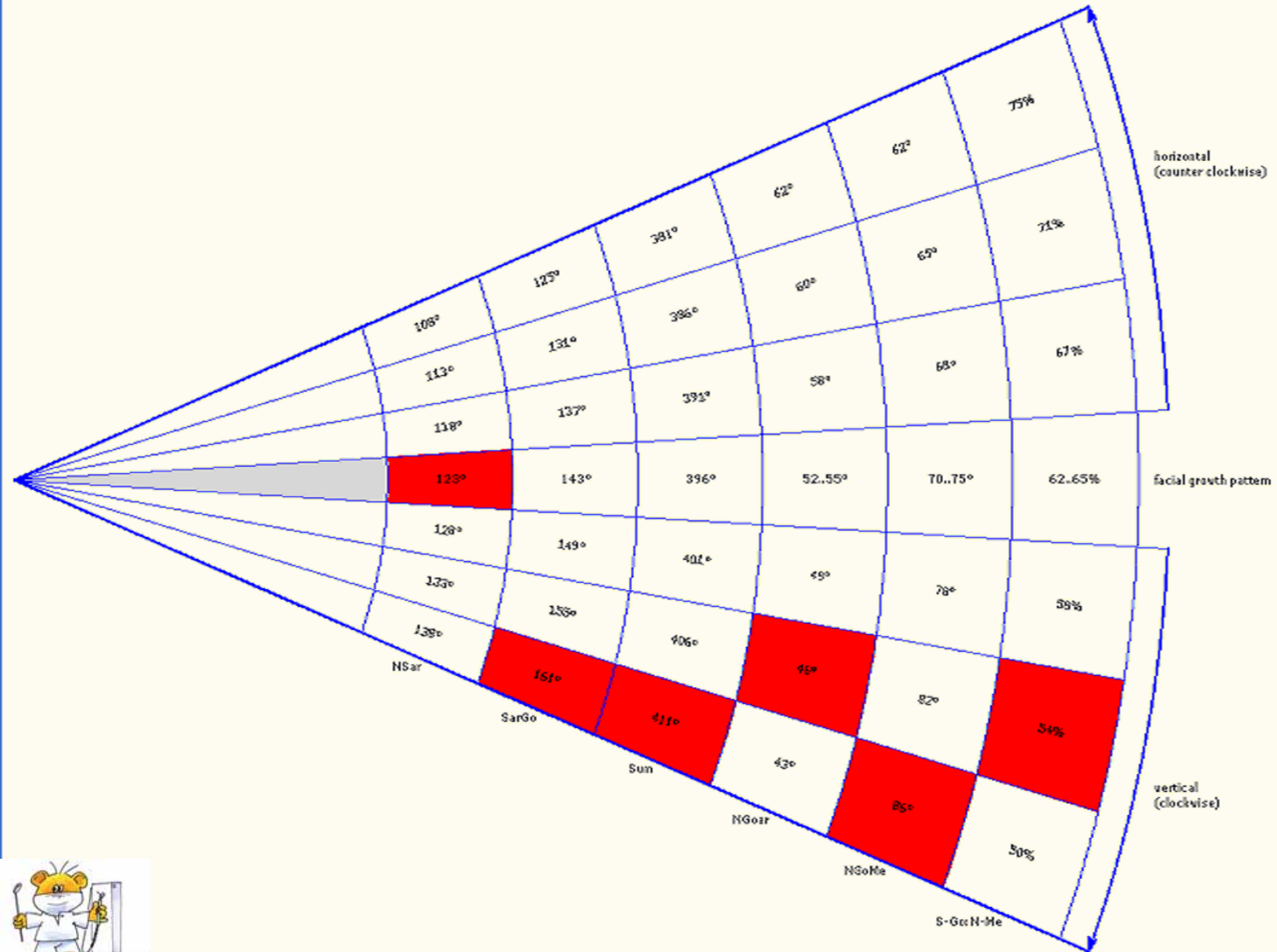
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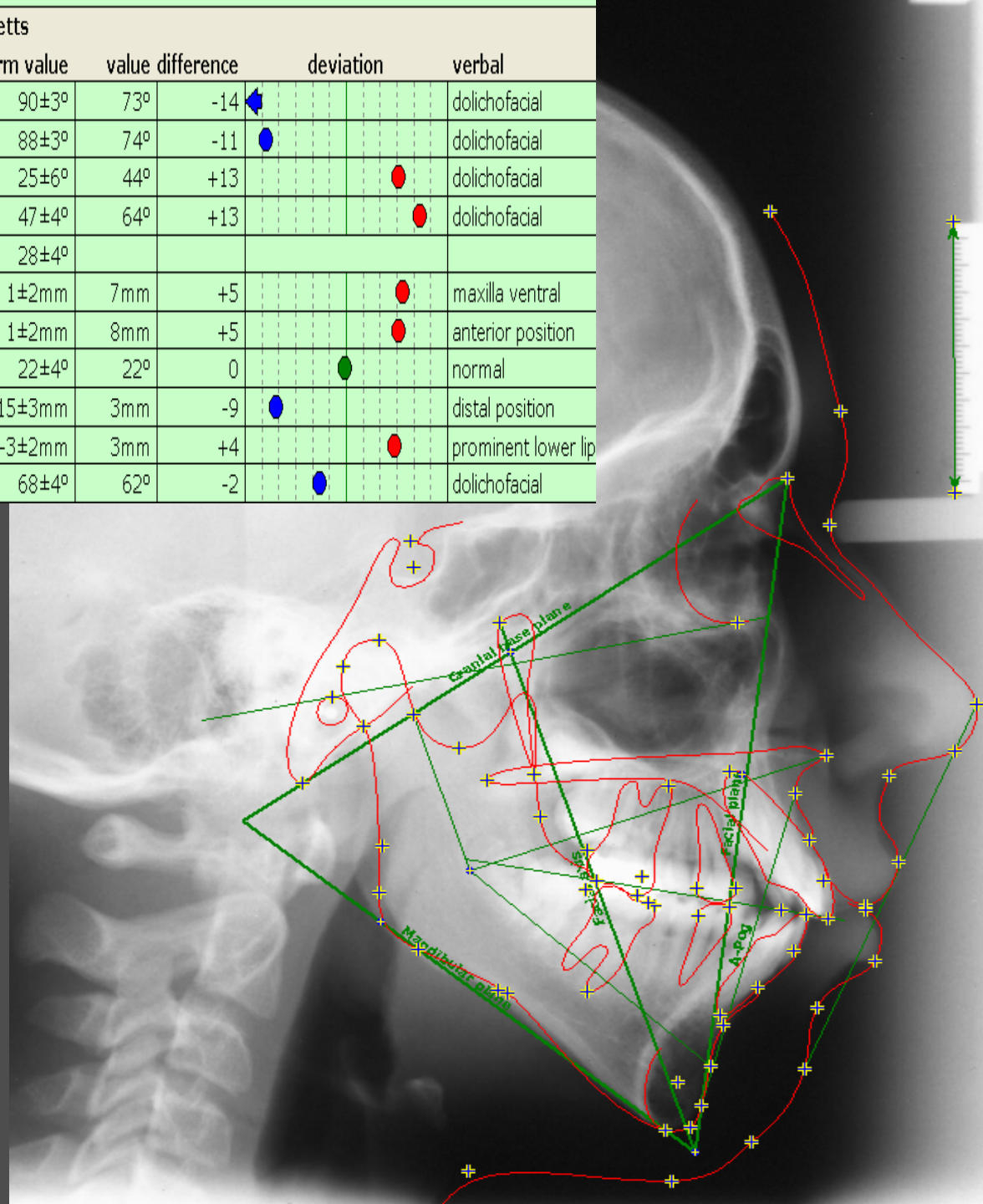


variable	description	norm value	value	difference	deviation	verbal
NSar	saddle angle	123±5°	122°	0		
SarGo	articular angle	143±6°	160°	+11		
arGoMe	gonial angle	130±7°	127°	0		
Sum	sum angle	396±5°	408°	+7		vertical growth
N-S	anterior cranial base length	71±3mm	67mm	-1		
S-ar	lateral cranial base length	32±3mm	33mm	0		
NGoar	upper gonial angle	52..55°	42°	-9		vertical growth
NGoMe	lower gonial angle	70..75°	85°	+10		vertical growth
ar-Go	ramus length	44±5mm	41mm	0		
Go-Me	mandibular length	71±5mm	65mm	-1		
Go-Me:N-S	ratio of mandibular and cranial base length	100%	97%	-3		
SNA	SNA-angle	80°	71°	-9		
SNB	SNB-angle	78°	70°	-8		
ANB	ANB-angle	2°	1°	-1		
SNGoMe	angle of anterior cranial base to mandibular plane	36°	48°	+12		
N-Go	facial depth		115mm			
S-Me	facial length on Y axis		122mm			
NSG	Y axis to SN		80°			
S-Go	posterior facial height		72mm			
N-Me	anterior facial height		126mm			
S-Go:N-Me	ratio of posterior and anterior facial height	62..65%	57%	-5		vertical growth
SNPog	facial plane		69°			
NAPog	Gesichtskonvexitat	175°	177°	+2		



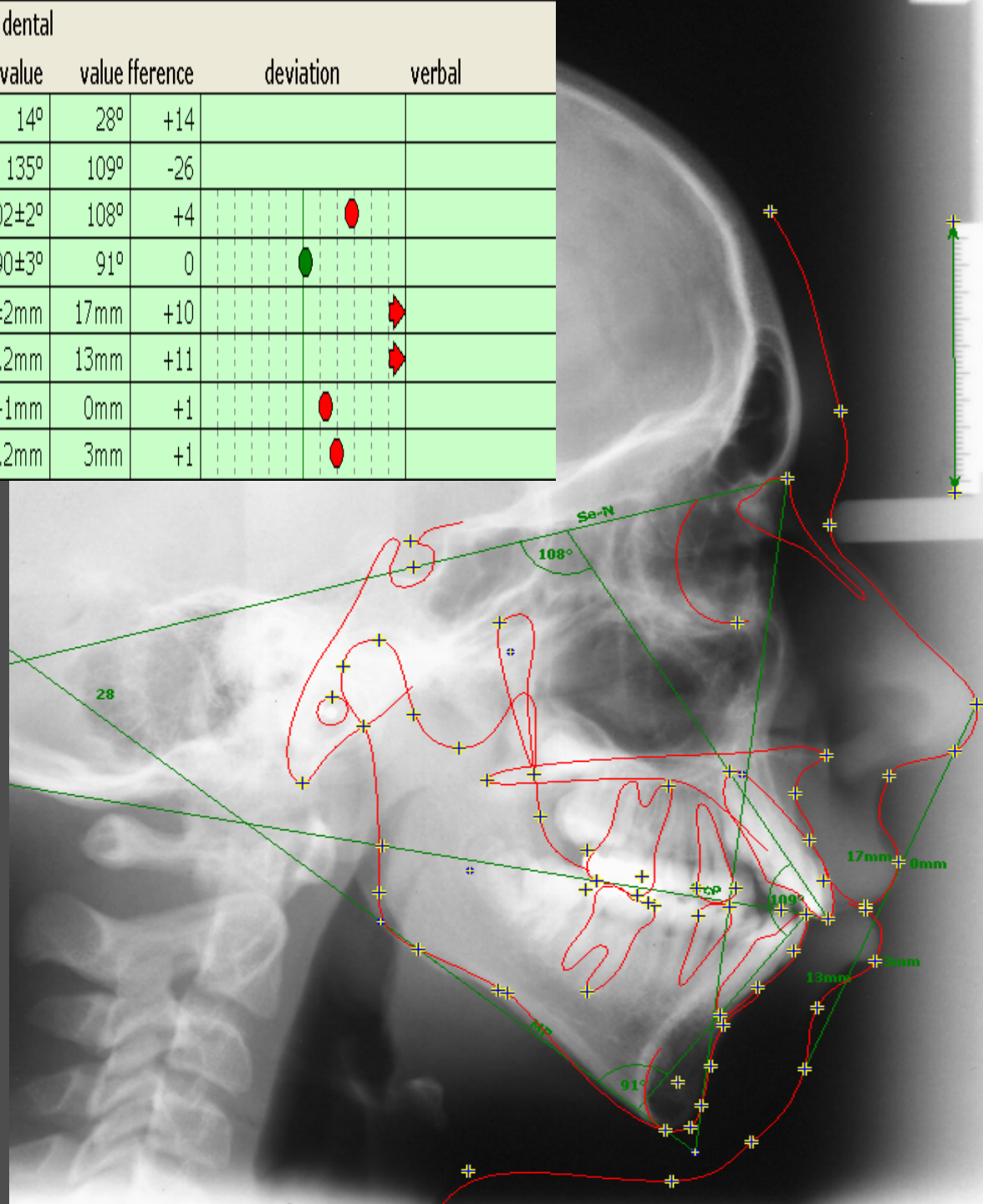


variable	description	Ricketts				verbal
		norm value	value	difference	deviation	
NBaPtG	Facial axis	90±3°	73°	-14	█	dolichofacial
NPogPOr	Facial depth	88±3°	74°	-11	█	dolichofacial
MeGoPOr	Mandibular plane	25±6°	44°	+13	█	dolichofacial
ANSXiPM	Lower facial height	47±4°	64°	+13	█	dolichofacial
DCXiPM	Mandibular arc	28±4°				
A-NPog	Convexity	1±2mm	7mm	+5	█	maxilla ventral
1l-APog	distance of incisal edge of 1l to A-Pog	1±2mm	8mm	+5	█	anterior position
Mand1-APog	angle of axis of 1l to A-Pog	22±4°	22°	0	█	normal
6uPTV	distance of distal outline of 6u to PTV	15±3mm	3mm	-9	█	distal position
Li-NsPog'	distance of lower lip to esthetic line	-3±2mm	3mm	+4	█	prominent lower lip
MeGoNPog	Facial taper	68±4°	62°	-2	█	dolichofacial



Jarabak dental

variable	description	norm value	value fference	deviation	verbal
MeGoOcp	angle of mandibular and occlusal plane	14°	28°	+14	
II	interincisal angle	135°	109°	-26	
Max1-SN	angle of axis of 1u to anterior cranial base	102±2°	108°	+4	
Mand1-MeGo	angle of axis of 1l to mandibular plane	90±3°	91°	0	
1u-NPog	distance of incisal edge of 1u to N-Pog	5±2mm	17mm	+10	
1l-NPog	distance of incisal edge of 1l to N-Pog	-2..2mm	13mm	+11	
Ls-NsPog'	distance of upper lip to esthetic line	-4..-1mm	0mm	+1	
Li-NsPog'	distance of lower lip to esthetic line	0..2mm	3mm	+1	





DIAGNOSIS

RATIO OF POSTERIOR TO ANTERIOR FACE HEIGHT : 54% = CW GROWTH

SADDLE ANGLE : 121 ° = FOSSA IS LOCATED SLIGHTLY POSTERIORLY

ARTICULAR ANGLE: 159 ° = VERTICAL GROWTH

GONIAL ANGLE: AVERAGE

UPPER: 45 ° = GROWTH WILL BE CW

LOWER: 88 ° = DIFFICULT TO GET GOOD FACIAL ESTHETIC

ANTERIOR CRANIAL BASE IS SHORT

RATIO

CRANIAL BASE : MANDIBULAR LENGTH 1:1

RATIO

POS. CRANIAL BASE : RAMUS 1 : 1,2 = CW GROWTH

SNA, SNB, ANB

RETRODENT MANDIBLE AND MAXILLA

SUMMARY

VERTICAL AND CW GROWER

BIMAXILARY RETRUSION

SHORT POSTERIOR FACIAL HEIGHT

HIGH DANGER FOR CONDYLAR RESORPTION





VTO AFTER TWO YEARS OF GROWTH

TREATMAN PLANE

EXTRACT : 16, 26. 36. 46

PREMOLARISATION : FRST DISTAL PART
SECIND MESIAL PART OF TOOTH

SWA UPPER ARCH

MAKE A NICE ARCH

TRANSLATION 17, 27 FORWARD

UTILITY ARCH- ITRUDE AND RETRUDE UPPER ICISORS

VERTICAL CONTROL – TRANSPALATINAL BARS

SWA LOWER ARCH

MAKE A NICE ARCH

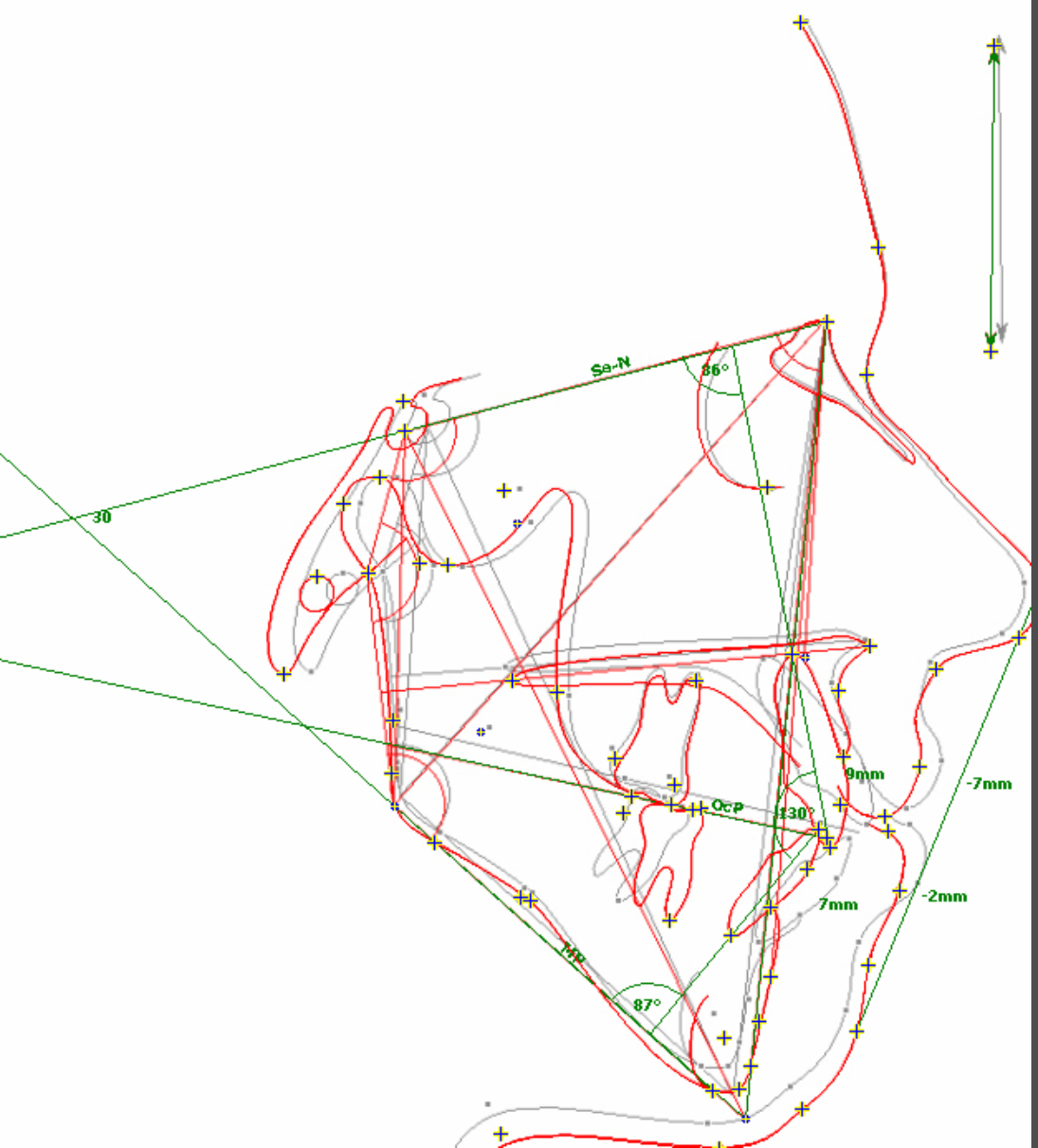
TRANSLATION 37, 47 FORWARD

TO CLOSE THE FACIAL AXIS AND SEAT THE CONDILS

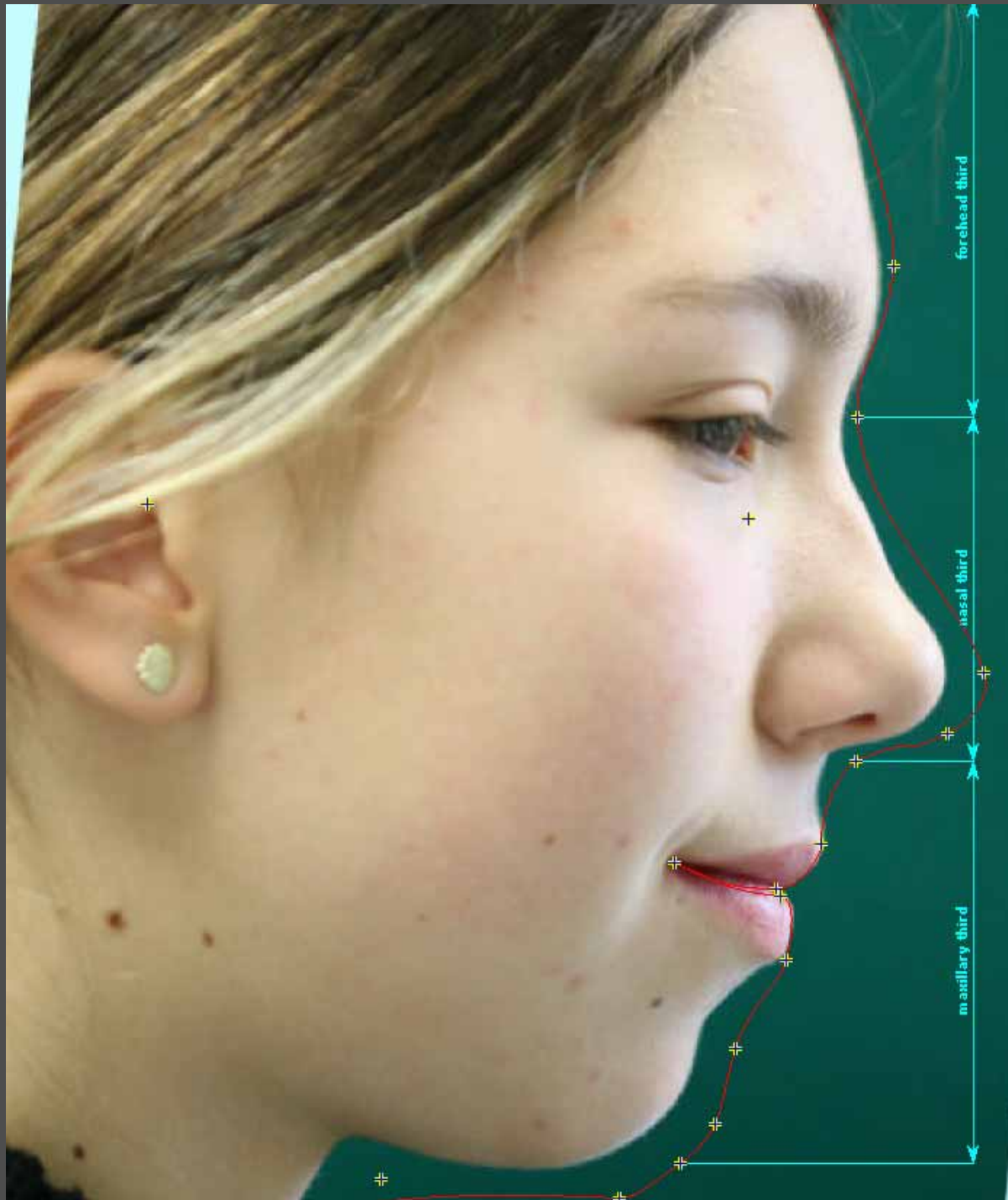


Visual Treatment Objectives
cephalogram of 19.5.2005 age: 10y,9m
period: 2,0 years, age: 12y,9m
— initial finding
- - - treatment objective

VTO



VTO



CURSE OF TREATMENR

AFTER 01.YEAR 02. MONTH



 finding comparison: 2578

START OF THERAPY
AFTER ONE YEAR

	19.5.2005	22.12.2006	22.12.2006 (Rw)	
NSar	121°	117°	123±5°	saddle angle
SarGo	159°	160°	143±6°	articular angle
arGoMe	133°	127°	130±7°	gonial angle
Sum	413°	404°	396±5°	sum angle
N-S	66mm	70mm	71±3mm	anterior cranial base length
S-ar	31mm	33mm	32±3mm	lateral cranial base length
NGoar	45°	45°	52..55°	upper gonial angle
NGoMe	88°	82°	70..75°	lower gonial angle
ar-Go	36mm	41mm	44±5mm	ramus length
Go-Me	62mm	65mm	71±5mm	mandibular length
Go-Me:N-S	94%	94%	100%	ratio of mandibular and cranial base length
SNA	68°	71°	80°	SNA-angle
SNB	69°	72°	78°	SNB-angle
ANB	-2°	-1°	2°	ANB-angle
SNGoMe	53°	44°	36°	angle of anterior cranial base to mandibular plane
N-Go	108mm	114mm		facial depth
S-Me	119mm	122mm		facial length on Y axis
NSG	80°	76°		Y axis to SN
S-Go	66mm	73mm		posterior facial height
N-Me	122mm	123mm		anterior facial height
S-Go:N-Me	54%	59%	62..65%	ratio of posterior and anterior facial height
SNPog	68°	72°		facial plane
NAPog	182°	181°	175°	Gesichtskonvexität

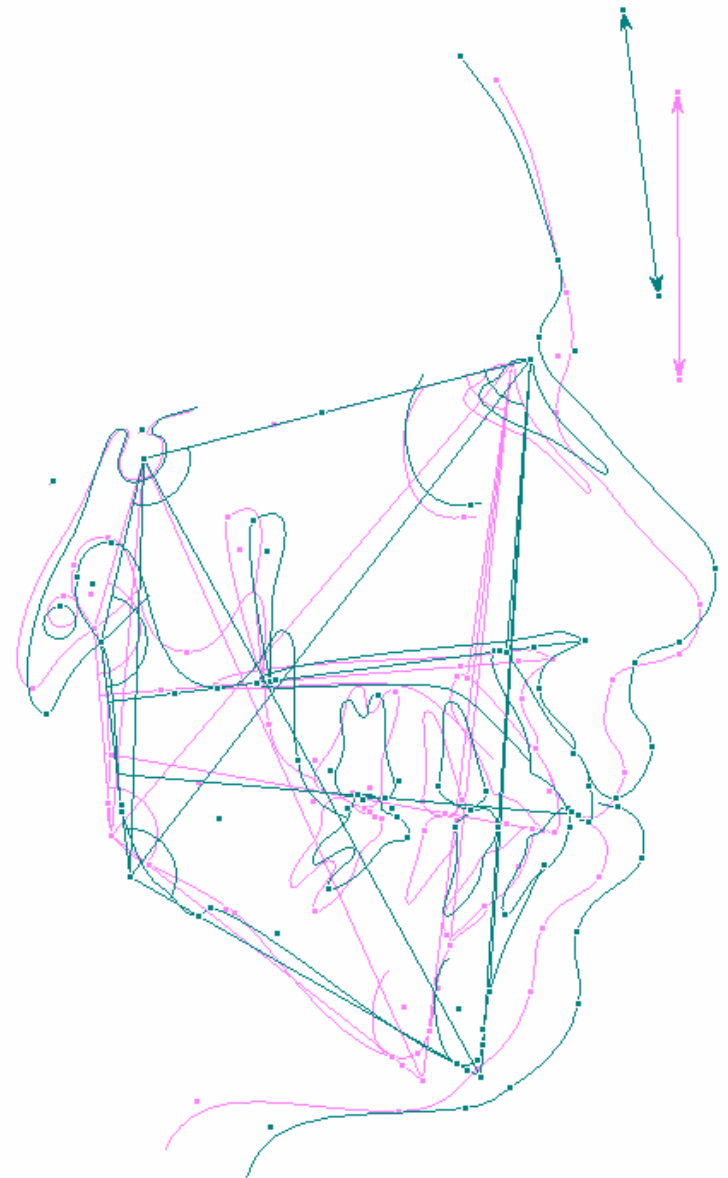
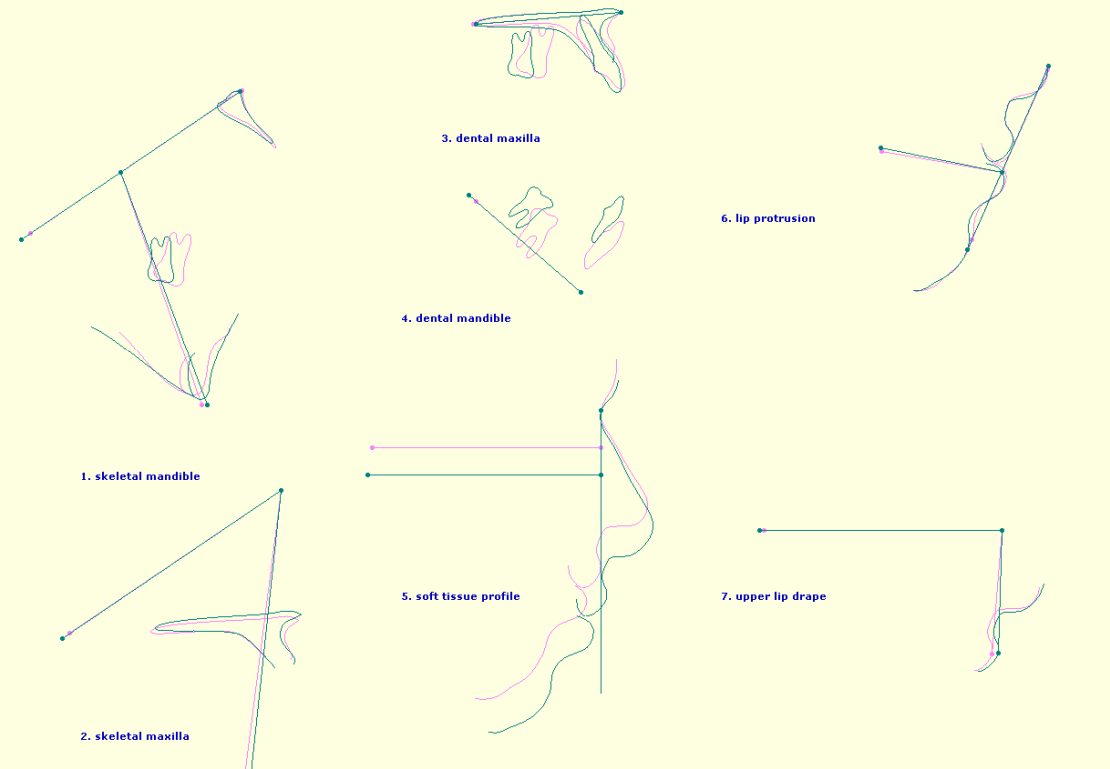


START OF THERAPY AFTER ONE YEAR

--- 19.5.2005
--- 22.12.2006

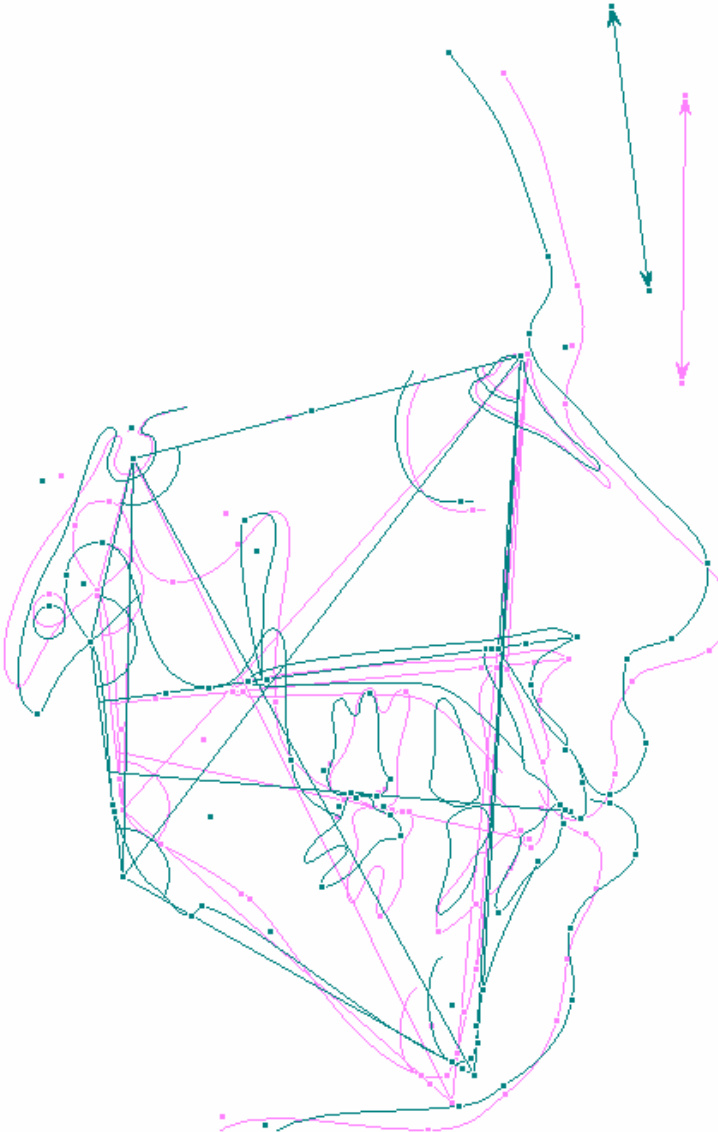


2578 BULOVEC, TINKARA born:16.8.1994 female
--- ceph of 19.5.2005 age: 10 years,9 months
--- ceph of 22.12.2006 age: 12 years,4 months

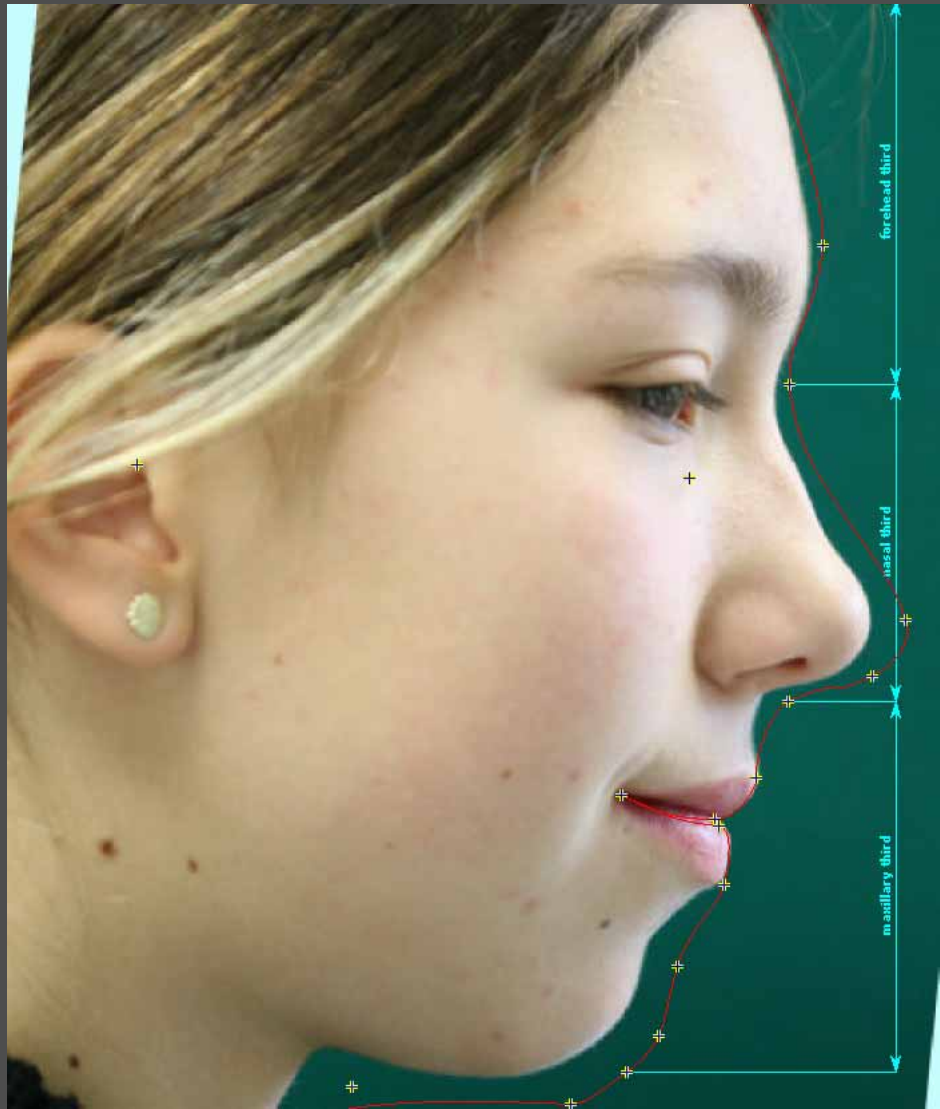


VTO COMPARISON TO LAST RESULT

--- 19.5.2007
--- 22.12.2006



LAST TRACEING AND VTO AFTER TWO YEARS OF GROWTH





FUNKCIONAL ANALYSIS







