

SOFT TISSUE CEPHALOMETRIC ANALYSIS

DENTOSKELETAL FACTORS		Mean and Standard Deviation females	Mean and Standard Deviation males	female to male difference significant when > .05
determine maxillary soft tissue projection	Mx1 to Mx occlusal plane	56.8 ± 2.5	57.8 ± 3.0	.2585
	Mx1 to TVL	-9.2 ± 2.2	-12.1 ± 1.8	1.064E-05
determine lower lip and chin projection	Mx occlusal plane	95.6 ± 1.8	95.0 ± 1.4	.1789
	Md1 to Md occlusal plane	64.3 ± 3.2	64.0 ± 4.0	.7764
	Md1 to TVL	-12.4 ± 2.2	-15.4 ± 1.9	1.312E-05
	overjet	3.2 ± .4	3.2 ± .6	.6371
determine lower 1/3 height	overbite	3.2 ± .7	3.2 ± .7	.7481
	maxillary height	25.7 ± 2.1	28.4 ± 3.2	.0026
	mandibular height	48.6 ± 2.4	56.0 ± 3.0	8.573E-11

SOFT TISSUE STRUCTURE	Mean and Standard Deviation females	Mean and Standard Deviation males	female to male difference significant when > .05
upper lip thickness	12.6 ± 1.8	14.8 ± 1.4	3.388-E05
lower lip thickness	13.6 ± 1.4	15.1 ± 1.2	.0004
Pogonion-Pogonion'	11.8 ± 1.5	13.5 ± 2.3	.0086

Menton-Menton'		7.4 ± 1.6	8.8 ± 1.3	.0019
FACIAL LENGTH		Mean and Standard Deviation	Mean and Standard Deviation	female to male difference significant when > .05
		females	males	
Nasion'-Menton'		124.6 ± 4.7	137.7 ± 6.5	8.916E-09
soft tissue components of lower 1/3 height	upper lip length	21.0 ± 1.9	24.4 ± 2.5	1.024E-05
	interlabial gap	3.3 ± 1.3	2.4 ± 1.1	.0214
	lower lip length	46.9 ± 2.3	54.3 ± 2.4	2.158E-13
upper lip + interlabial gap + lower lip	lower 1/3 height	71.1 ± 3.5	81.1 ± 4.7	3.170E-09
maxillary height minus upper lip	Mx11 exposure	4.7 ± 1.6	3.9 ± 1.2	.0417
skeletal components of anterior facial height	overbite	3.2 ± .7	3.2 ± .7	.7481
	maxillary height	25.7 ± 2.1	28.4 ± 3.2	.0026
	mandibular height	48.6 ± 2.4	56.0 ± 3.0	8.573E-11

PROJECTIONS to True Vertical Line		Mean and Standard Deviation	Mean and Standard Deviation	female to male difference significant when > .05
		females	males	
high midface projection	soft tissue glabella'	-8.5 ± 2.4	-8.0 ± 2.5	.5246
	soft tissue orbital rim'	-18.7 ± 2.0	-22.4 ± 2.7	1.060E-05
	cheekbone	-20.6 ± 2.4	-25.2 ± 4.0	7.405E-05
	subpupil	-14.8 ± 2.1	-18.4 ± 1.9	2.266E-07

structures determined by maxillary dental and skeletal projection	alar base	-12.9 ± 1.1	-15.0 ± 1.7	6.054E-05
	nasal projection	16.0 ± 1.4	-17.4 ± 1.7	.0052
	subnasale	0	0	0
	soft tissue A'	-.1 ± 1.0	-.3 ± 1.0	.6629
	nasolabial angle	103.5 ± 6.8	106.4 ± 7.7	.1937
	upper lip angle	12.1 ± 5.1	8.3 ± 5.4	.0197
	upper lip anterior	3.7 ± 1.2	3.3 ± 1.7	.3836
	Mx11	-9.2 ± 2.2	-12.1 ± 1.8	1.064E-05
structures determined by mandibular dental and skeletal projection	Md11	-12.4 ± 2.2	-15.4 ± 1.9	1.312E-05
	lower lip anterior	1.9 ± 1.4	1.0 ± 2.2	.1065
	soft tissue B'	-5.3 ± 1.5	-7.1 ± 1.6	.0004
	soft tissue Pog'	-2.6 ± 1.9	-3.5 ± 1.8	.1294