Analysis of Tooth-Size Discrepancies

Bolton Analysis

Patient Name				Date			
ME	SIODISTA	L TOOTH SIZ	ES				
R						L	
ον	ERALL RA	τιο			Mean: 91.3	Range: 87.5 - 94.8	
	Sum m	andibular 12	mm.	= x 100= %			
	Sum maxillary 12		mm.	=)	% all Ratio		
Ove	rall ratio >91	.3%		Overall ratio	<91.3%		
	mm.	mm.	mm.	mm.	mr	m. mm.	
Actu	al mand 12	Ideal mand 12	Diff.	Actual max 12	ldeal max	12 Diff.	
AN.	TERIOR R	ΑΤΙΟ			Mean: 77.2	Range: 74.5 - 80.4	
	Sum m	andibular 6	mm.				
	Sum r	naxillary 6	mm.	x 100= % Anterior Ratio			
	Anterior ratio >77.2%			Anterior ratio <77.2%			
		mm.	mm.	mm.	mr	m. mm.	
Actu	al mand 6	Ideal mand 6	Diff.	Actual max 6	Ideal max	6 Diff.	

Overall Ratio

If the overall ratio exceeds 91.3 the discrepancy is in excessive mandibular arch length. In the provided chart locate the patient's maxillary 12 measurement, and opposite it is the correct mandibular measurement. The difference between the actual and correct mandibular measurement is the amount of excessive mandibular arch length.

Refer	OVERALL RATIO Refer to this table for the average values for the overall and anterior ratio (values are in mm)							
Max12	[:] Mand12	Max12	[:] Mand12	Max12	[:] Mand12			
85	77.6	94	85.8	103	94.0			
86	78.5	95	86.7	104	95.0			
87	79.4	96	87.6	105	95.9			
88	80.3	97	88.6	106	96.8			
89	81.3	98	89.5	107	97.8			
90	82.1	99	90.4	108	98.6			
91	83.1	100	91.3	109	99.5			
92	84.0	101	92.2	110	100.4			
93	84.9	103	93.1					

Anterior Ratio

If the Anterior ratios is less than 77.2%, it indicates maxillary anterior excess and if the anterior ratio is more than 77.2%, it indicates mandibular anterior excess (the total width of the lower six anterior teeth is relatively too large or maxillary anterior deficiency such as a peg shaped lateral incisor.

ANTERIOR RATIO Refer to this table for the average values for the overall and anterior ratio (values are in mm)								
Max6	[:] Mand6	Max6	[:] Mand6	Max6	[:] Mand6			
40.0	30.9	45.5	35.1	50.5	39.0			
40.5	31.3	46.0	35.5	51.0	39.4			
41.0	31.7	46.5	35.9	51.5	39.8			
41.5	32.0	47.0	36.3	52.0	40.1			
42.0	32.4	47.5	36.7	52.5	40.5			
42.5	32.8	48.0	37.1	53.0	40.9			
43.0	33.2	48.5	37.4	53.5	41.3			
43.5	33.6	49.0	37.8	54.0	41.7			
44.0	34.0	49.5	38.2	54.5	42.1			
44.5	34.3	50.0	38.6	55.0	42.5			
45.0	34.7							

Please note: ClearCorrect does not require this information for case submission, or treatment planning but it can be a useful tool to help with more detailed treatment planning when needed.