ICON Index of Complexity, Outcome and Need

COMPONENT 1 AESTHETIC ASSESSMENT	1 Aestnetic assessment	Score 1 to 10	
	2 Upper arch crowding	< 2mm	2.1 5mi
Ten pictures ranking dental attractiveness	Upper spacing	< 2mm	2.1 5mr
COMPONENT 2 UPPER ARCH CROWDING / SPACING	3 Crossbite	No crossbite	cro
The difference between the sum of the mesio-distal tooth diameters and the available	4 Incisor open bite	Edge to edge	< 1
 arch circumference in the upper arch reduced to a 5 point score Impacted teeth in either arch immediately score 5 	Incisor overbite	< 1/3 lower incisor coverage	1/3 cov
Impacted teeth must be unerupted and either: a) Ectopic or impacted against an adjacent tooth (excluding third molars but including supernumerary teeth)	5 Buccal segment antero-posterior	Cusp to embrasure only. Class I, II or III	Any rela to b inclu cus
b) Possess less than or equal to 4mm of space between the adjacent permanent teeth.	L	C2-01-4	cus
Use average canine and premolar widths to estimate the potential crowding in the mixed dentition, namely, 7mm for pre-molars, lower canine, and 8mm for upper	C. INTERPR	RETATION	OF
 canine Spacing in one part of the arch will cancel out crowding elsewhere 	NEED AND AC	CEPTAR	
 Retained deciduous teeth (without permanent successor) and erupted supernumerary 	Pre-treatment ne		
teeth score as space (unless they are to be retained to obviate the need for prosthesis)	End treatment a	cceptability	

· Lost teeth due to trauma or extraction should be counted as space (unless space is maintained for a prosthetic replacement).

COMPONENT 3 CROSSBITE

· Anterior and posterior transverse discrepancies of cusp to cusp or greater in intercuspal position

COMPONENT 4 INCISOR OPEN BITE / OVERBITE

- Open bite (except developmental conditions) is measured to the mid-incisal edges .
- Deep bite is measured to deepest part of overbite
- If both traits are present only the highest score is counted .

BUCCAL SEGMENT ANTERO-POSTERIOR COMPONENT 5

- Quality of buccal segment interdigitation is measured (not Angles classification) ٠
- Both sides are scored then added together •

B. ICON SCORING PROTOCOL

- Measure all 5 traits according to the protocol above to obtain a set of scores ٠
- Multiply the scores by their respective weights •
- The sum of the weighted scores is the ICON score for the case
- Pre-treatment scores give the treatment need and complexity grades
- End of treatment scores gives the acceptability
- Pre-treatment 4 x post treatment scores gives the degree of improvement •

A. ICON SCORING METHOD SCORE

COMPONENT	0	1	2	3	4	5	Weigh t
1 Aesthetic assessment							
2 Upper arch crowding	< 2mm	2.1 to 5mm	5.1 to 9mm	9.1 to 13mm	13.1 to 17mm	> 17mm	5
Upper spacing	< 2mm	2.1 to 5mm	5.1 to 9mm	>9mm	120	Impacte d teeth	5
3 Crossbite	No crossbite	crossbite present	and in	135-62	an o	Contrast Contrast	5
4 Incisor open bite	Edge to edge	< 1mm	1.1 to 2mm	2.1 to 4mm	>4mm		4
Incisor overbite	< 1/3 lower incisor coverage	1/3 to 2/3 coverage	2/3 up to fully covered	Fully covered			4
5 Buccal segment antero-posterior	Cusp to embrasure only. Class I, II or III	Any cusp relation up to but not including cusp to cusp	Cusp to cusp				3

ICON SCORES

NEED AND ACCEPTABILITY	THRESHOLD
Pre-treatment need	> 43 treatment need
End treatment acceptability	< 31 acceptable
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COMPLEXITY GRADE (PRE-TREATMENT)	SCORE RANGE
Fear	< 20

Very difficult	> 77
Difficult	64 to 77
Moderate	51 to 63
Mild	29 to 50
Easy	< 29

IMPROVEMENT GRADE SCORE RANGE (PRE-TREATMENT SCORE - 4 x POST-TREATMENT SCORE)

Greatly improved	> -1
Substantially improved	-25 to -1
Moderately improved	-53 to -26
Minimally improved	-85 to -54
Not improved or worse	< -85