

MAP Study Cast Analysis

Patient:

Date:

Skeletal Analysis	Class I	Class II <3mm	Class II >3mm	Class III <3mm	Class III >3mm
L Canine					
R Canine					
L Molar					
R Molar					

Arch Form:	Narrow	Normal	Wide	Asymmetrical
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Posterior Tooth Anatomy	Normal	Worn cusps	Short & Flat
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ANTERIOR MEASUREMENTS	ACTUAL	NORMAL
Upper Central Width		8.0 – 9.0mm
Upper Central Length		10.5 – 11.5mm
Upper Proportion		75% - 80%
Lower Central Length		8.0 – 9.0mm
Incisal Pin @ 1 st contact		
Incisal Pin @ AF/CO		
Incisal Pin difference		
CEJ-CEJ @ 1 st contact		
CEJ-CEJ @ AF/CO		
Overbite		
Overjet		
OJ/OB ratio		50% - 70%

Anterior Analysis:

- Anterior Teeth are worn and/or malpositioned
 - Restoration/Orthodontics is considered for aesthetic reasons
 - Restoration/Orthodontics is considered for functional reasons
 - Restoration is considered for protection of exposed dentin
- Lengthening Anterior teeth...
 - Can be accomplished without any VDO change or tooth movement
 - Will require increasing the VDO
 - Will require intruding the anterior segment
 - Upper intrusion
 - Lower intrusion
- Overjet/Overbite ratio
 - Is excessive and may require better coupling for anterior guidance
 - Is excessive and may require correction of a class II
 - Is restrictive and may require increased VDO
 - Is restrictive and may require restoration/orthodontics anteriorly
 - Is restrictive and may require harmonizing with posterior dentition
 - Is restrictive and may require correction of a class III

Vertical Dimension Analysis:

- Change needed for posterior crown height and morphology
- Change needed for facial appearance and lower face height enhancement
- Change needed for harmony between normal smile and overbite
- No change is indicated

Cuspid Analysis

Lt cuspid	coupled	open		
Rt cuspid	coupled	open		
Lt guidance	mesial of upper	distal of upper	anterior	other
Rt guidance	mesial of upper	distal of upper	anterior	other
Lower left	upright	lingualized	worn	
Lower right	upright	lingualized	worn	