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[ ]

% *Straight line*    % *Rotation advancement*    %  
% *(Malalignment Deficiency)*

*Rotation advancement*    *Straight line*    *Short lip*  
( $P < 0.05$ )

:



Lower lip Z-plasty    Straight line repair  
( )    (Randal-Tennison, LeMesurier)

( )

Cupids bow

( )

( )

(Millard)

Upper and lower lip Z-plasty    Upper lip Z-plasty





Malalignment deficiency

Malalignment

Orbicularis muscle deformities

Rotation advancement

( ) Rotation advancement

(P< / )

Straight line

( ) ( )

( ) Straight line

Short lip

(Microform

Lower lip Z-plasty

(P< / )

Straight line

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Rotation adv.    Straight line

( )

( )

( )

( )

( )

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Deformity of vermillion border (malalignment)

Vermilion deficiency (notch,whistle)

Unacceptable scar (hypertrophied,depressed,wide)

Short lip

Long lip

Wide lip

Tight lip

Philtral column/cupids bow deformity

Orbicularis muscle deformity

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( )

( )

( )

Straight line

Rotation advancement

%

mismatch

( )

(% ) Stright line (% ) Millard

(% ) Z-plasty

( )

(Deficiency Malalignment)

Short lip

%

( ) Long lip ( )

( )

( )

(Rotation)

( )

( )

Short lip

( )

Rotation advancement

Straight line

Rotation advancement

(% % )

Tight lip

( )

( )

Maxillary orthopedics

( )

Skin hook

Short lip Bulging

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