Assessment of the Effect of the Tongue in Groove Technique in Nasolabial Angle and Nasal Tip Projection Changes

Protocol summary

Study aim
Assessment of the Effect of the Tongue in Groove Technique in Nasolabial Angle and Nasal Tip Projection Changes

Design
Clinical trial with before and after comparison

Settings and conduct
Patients which refer to oral and Maxillofacial department of Buali hospital and private office. The study is a randomized clinical trial before and after assessments and follow up for 6 months.

Participants/Inclusion and exclusion criteria
Exclusion criteria consist of the history of previous septorhinoplastic surgery; trauma to the nose; normal range of nasolabial angle (90-110) and normal tip projection according to good method assessment (55-60 %). Also any jaws deformity requiring orthognathic surgery and any craniomaxillofacial syndrome causing nose deformation, was excluded. Inclusion criteria consist of an abnormal range of naso labial angle and nasal tip projection which should be out of the normal range of 90-110 degree and 55-60%, a patient with a clear history of craniofacial syndrome; trauma to the nose, rhinoplastic surgery; jaw deformities and also a surgery done just based on TIG technique without any other methods contribution which affecting on tip and radix area.

Intervention groups
Tongue in groove surgical technique by definition involves a method by which the medial crura is pulled posteriorly over the caudal part of the nasal septum, in fact this is a type of intervention on the treated specimens. Some angles, such as nasolabial angle or nasal projection, are within the normal range by using this method. This technique also has effects such as correction of septal deviation or colomellar overexpression, which were not examined in this study. Non-use of cartilage, this technique is more and more popular today.

Main outcome variables
Nasolabial Angle; Nasal Tip Projection

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: IRCT20180102038189N1
Registration date: 2019-12-31, 1398/10/10
Registration timing: retrospective

Last update: 2019-12-31, 1398/10/10
Update count: 0

Registration date
2019-12-31, 1398/10/10

Registrant information
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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2018-01-31, 1396/11/11
Expected recruitment end date
2019-06-22, 1398/04/01
Actual recruitment start date
2018-03-01, 1396/12/10
Actual recruitment end date
Secondary Ids
empty

Ethics committees

1

Ethics committee
Name of ethics committee
Islamic Azad University, Dental branch
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Pasdaran Ave., 9th Neiestan
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1946853314
Approval date
2018-05-27, 1397/03/06
Ethics committee reference number
IR.IAU.DENTAL.REC.1397.022

Health conditions studied

1
Description of health condition studied
Changes in Nasolabial Angle and Nasal Tip Projection
ICD-10 code
ICD-10 code description

Primary outcomes

1
Description
The measure of Nasolabial Angle
Timepoint
Pre operative measuring, immediate post operative measuring, 6 months after the surgery
Method of measurement
Measuring by Using Standard Photography with Golden Ratio Software

Secondary outcomes
empty
**Intervention groups**

1

**Description**
Tongue in groove surgical technique by definition involves a method by which the medial crura is pulled posteriorly over the caudal part of the nasal septum, in fact this is a type of intervention on the treated specimens. Some angles, such as nasolabial angle or nasal projection, are within the normal range, by using this method. This technique also has effects such as correction of septal deviation or columellar overexpression, which were not examined in this study. Non-use of cartilage, this technique is more and more popular today. The study is a comparative study; before and after using the technique. The groups undergoing surgical intervention using the above technique will be measured after angular and projection correction. It is technically sensitive and has very stable results, technically most surgeons refuse to do it and prefer simple techniques with poor results, but in aesthetic practice long-term survival is the principle.

**Category**
Treatment - Surgery

**Recruitment centers**

1

**Recruitment center**

**Name of recruitment center**
Buali Hospital, Oral and Maxillofacial Surgery Branch

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**Sponsors / Funding sources**

1

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**Full name of responsible person**
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**Position**
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Person responsible for updating data

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Position
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Sharing plan
Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available
Analytic Code
Not applicable
Data Dictionary
Not applicable