

가철성 보철물을 위한 LINGUALIZED OCCLUSION에 관한 고찰

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A Contemporary Review of The Lingualized Occlusion for Removable Prosthodontics.

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-ABSTRACT-

Many attempts for the comfort, esthetics and improvement of Masticatory function of the patients with removable prosthesis have been made for several decades.

The search for the ideal denture occlusion has been going on in an effort to find the tooth form which provides maximum denture stability and masticatory efficiency without damaging the health of the underlying bone.

For the purpose, the basic concept of lingualized occlusion were suggested by payne(1941) and pound(1973) discussed a similar occlusal concept and used term " lingualized occlusion. "

The purpose of this literature study is to clarify and amplify a method to achieve bilateral balanced occlusion with the occlusal arrangement termed " lingualized occlusion. "

Lingualized occlusion can be achieved by use of anatomic teeth for the mandibular denture.

Lingualized occlusion can be used in most denture combination. It is particularly helpful when the patient places high priority on esthetics but a nonanatomic occlusal scheme is indicated by oral conditions such as severe alveolar resorption, a class II jaw relationship or displaceable supporting tissue.

Advantages of lingualized occlusion are summarized as follows :

- 1) Most of the advantages attributed to both the anatomic and nonanatomic forms are retained.
- 2) Cusp form is more natural in appearance compared to nonanatomic tooth form.
- 3) Good penetration of the food bolus is possible.
- 4) Bilateral mechanical balanced occlusion is readily obtained for a region around articular relation.
- 5) Vertical forces are centralized on the mandibular teeth.

Lingualized occlusion provides a useful combination of several occlusal concepts. Many advantages of anatomic and nonanatomic occlusions are accomplished but the lingualized occlusal concept is not a panacea, and all other procedures still must be carefully executed.

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목 차

- 1. Lingualized Occlusion
- 2. Lingualized Occlusion
- 3. Lingualized Occlusion

“ Lingualized Occlusion ”
 Murrell(1974), Gronas (1974)
 , Kelly (1975) Lingualized Occlusion

Lingualized
 Occlusion
 Lingualized Occlusion

, 가

I. 서 론

가

II. 본 론

1. Lingualized Occlusion의 형성목적 Lingualized Occlusion

가
 가

가 - (1) Anatomic :
 30 degree cusps, (2) Semianatomic : 20
 degree cusps, (3) Nonanatomic or Cuspless : 0
 degree cusps

Lingualized Occlusion

가 mechanical
 가

freedom

가

(1.2).

Lingualized Occlusion

가

Lingualized Occlusion

(ridge crest)

Payne(1941)

가

Pound(1973)

1.

교두형태	장 점
Anatomic Occlusion	1.음식물을 보다 쉽게 깨 뚫는다. 2.교두와 접촉관계 (intercuspatation) 시 의치상의 회전운동에 대한 저항이 양호하다 3.바람직한 심미성을 부여한다. 4.폐구시 guide 역할을 한다.
nonanatomic Occlusion	1.어떤 위치에서도 하악이 폐쇄되지 않는다. 2.경사면의 결여로 측방압을 최소화 할 수 있다. 3.의치의 수직, 수평관계 변화시 쉽게 조정할 수 있다. 4.Cross-bite시에 배열이 용이하다.

2.

교두형태	단점
Anatomic Occlusion	1. 사용도중 교합의 부조화가 발생할 수 있으며 교합을 위한 수정시 어려움이 따른다. 2. 교두와 접촉관계 (intercuspatation) 를 위해 긴밀한 폐구와 안정성이 요구된다. 3. 측방압이 증가된다. 4. 비정상적인 악골관계에서는 적응하기 어렵다.
Nonanatomic Occlusion	1. 심미성이 결여된다. 2. 음식물을 깨물 수 있는 능력이 부족하다. 3. 균형 교합을 얻기 어렵다. 4. 심미성 결여로 인한 심리적인 문제를 야기할 수 있다.

2. Lingualized Occlusion의 적응중 및 요구사항

Lingualized Occlusion
 Class I 가 , Class II 가 , Class III 가
 Lingualized Occlusion 가
 Lingualized Occlusion 가
 Lingualized Occlusion 가

Lingualized Occlusion
 2 3mm
 excursiv movement smooth
 Lingualized Occlusion 가
 (Fig. 1).
 가
 incisal guidance가 0
 (Fig. 2).

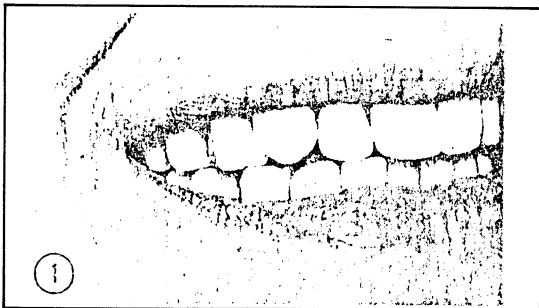


Fig. 1



Fig. 2

3. Linguailzed occlusion의 형성원리.

(1) Linguailzed Occulsion

(30, or 33,)

가 (Fig. 3).

(2)

가

(Fig.4)

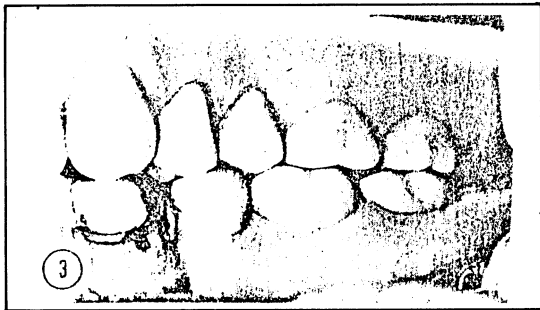


Fig. 3

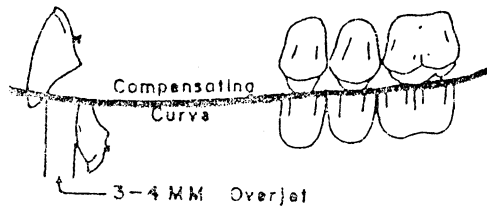


Fig. 4

(3)

fossa

central

(Fig. 5).

(4)

, Linguailzed Occlusion

가

(Fig. 9).

Working position
clearance

(Fig. 6).

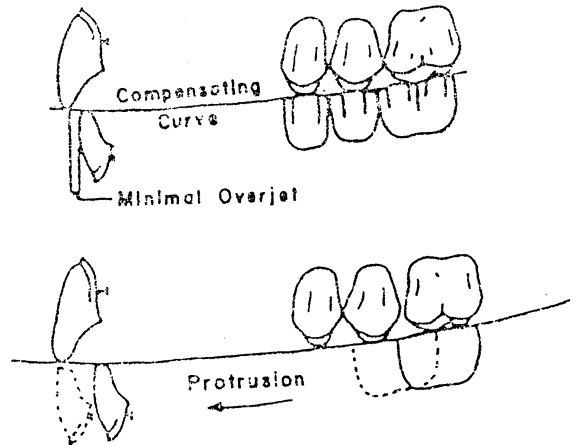


Fig. 5

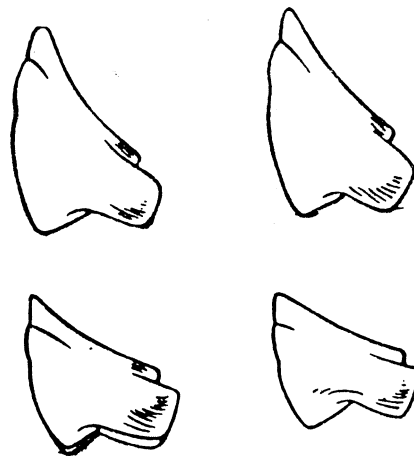


Fig. 6

(5)

2~3mm

clearance

가

가

(Fig. 7).

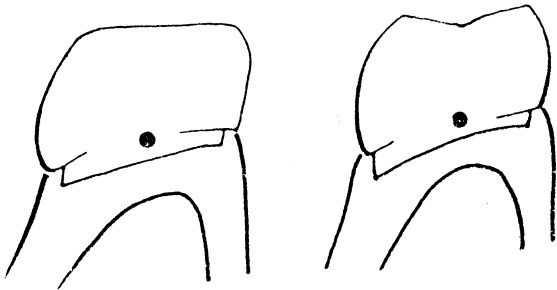


Fig. 7

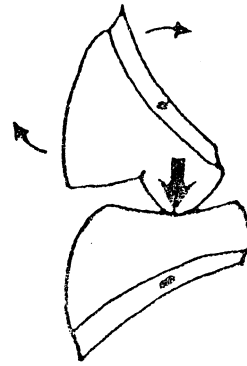


Fig. 10

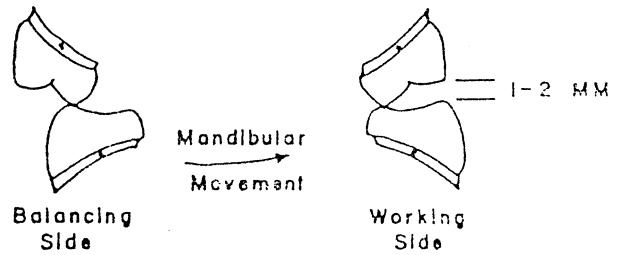


Fig. 11



Fig. 8

(6)

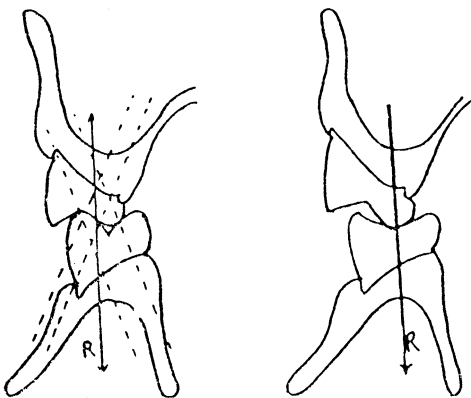


Fig. 9

smooth

Lingualized Occlusion

III. 결론

가

Lingualized Occlusion

Lingualized Occlusion
가

(1) 가

(2) 가

(3)

(4)

(5) 가

Lingualized Occlusion
가

가

Lingualized Occlusion

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