

# 기능모형제작법의 상호비교, 분석에 관한 소고

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## 목 차

·		Denture Base	
·		가	
·		Denture Base	
·		model	
·		가	Denture
·		Denture	Denture

## I. 서 론

가		Partial Denture	
가		가	
		가	
		Denture Base	
		가	
·		Denture Base가	
·		Partial Complete Denture	
·		Partial Denture	Partial Denture가
·		Denture Base가	
·		Denture Base가	
·		stress	
·		4가	
·		Partial Denture	Denture
·		가	Base
·		Denture	

## II. 연구목적

가

4가

가 가

- 4가 1.  
2. 3. 4. error

가

## III. 연구방법

Framework  
cast

Metal  
stone

pouring

stone cast  
pouring

4가

1. boxing with a plaster & pumice mix and way
2. beading and boxing with wax
3. beading with wax and the two-stage pour
4. the north carolina technique

4가 가 가

- ( 1), ( 2),  
( 3)

### (1) 모형부위약식표기(표1)

1.

略式表記	模 型 部 位
A	기능모형으로 교환될 잔존치조제부위
B	잔존치조제의 근심 절단된 면
C	잔존치조제의 설 내측 절단된 면
D	연구모형의 side wall
E	연구모형의 Base
MF	Metal Framework

### (2) 제작법에 대한 약식표기(표2)

2.

略式表記	製 作 法
方法 1	boxing with a plaster/ pumice mix and wax
方法 2	beading and boxing with wax
方法 3	beading with wax and the two-stage pour
方法 4	the north carolina technique

### (3) 재료비산출근거(표3)

1g	1cm	가
가	가	
alcohol		가
0.01		
가		
sticky wax, utility wax, boxing wax, Dental stone, plaster		
sticky wax 30g 1 bx	가 2500	1g

3.

材 料 名	供 給 單 位	供 給 價	g, cm 當 單 價
sticky wax	1 bx 30 g	2,500 (單位:圓)	83.3 (單位:圓)
utility wax	1 bx 40 個 ( 1 個 : 25 cm )	2,000	2.0
boxing wax	1 bx 16 個 ( 1 個 : 27 cm )	3,000	6.9
Dental stone	1 bx 50 kg	75,000	1.5
plaster	1 bx 25 kg	11,000	0.4

가 83.3 , utility wax  
 40 1 bx 2000 1 가 25cm  
 1cm 가 2 ,  
 boxing wax 16 1bx 3000 1  
 27cm 1cm 가 6.9  
 , Dental stone 50kg 1bx가 75,000  
 g 가 1.5 ,  
 plaster 25kg 1bx 11,000 g 가  
 0.4 .( 3)

#### IV. 분 석

4가

##### (1) 방법 1.

a.

A B, C  
 Dental Saw  
 가 MF sticky wax

plaster pumice mix glass slab  
 plaster/pumice patty E가

patty가 trimmer midel

trimming D boxing wax

boxing beading .  
 stone pouring . stone

setting

b. ( 4)  
 sticky wax, plaster, boxing  
 wax, Dental stone .  
 sticky wax가 1g, plaster가 158g,  
 boxing wax가 25cm, Dental stone 21g

( 3)  
 sticky wax가 1g 83.3 ,  
 plaster가 158g 0.4 × 158 = 63.2  
 63.2 , boxing wax가 25cm  
 6.9 × 25 = 272.5 272.5 , Dental  
 stone 21g 1.5 × 21 = 31.5  
 31.5 450.5 가  
 .( 4)

c.

MF sticky wax가  
 settinggksmsep 5 , plaster/pumice  
 mixing 45 , Model  
 Trimming 3 , boxing  
 wax boxing sealing  
 10 , Stone pouring Setting  
 45 , 10  
 117

##### (2) 방법 2.

a.

A 1  
 sticky wax MF  
 Utility wax B, C  
 sealing boxing wax D  
 boxing Dental stone mixing

4.

材 料 名	單價(單位:圓)	使 用 量	材 料 費
sticky wax	83.3	1 g	83.3 (單位:圓)
plaster	0.4	158 g	63.2
boxing wax	6.9	25 cm	272.5
Dental stone	1.5	21 g	31.5
※ 材料費 總額			450.5

5.

材 料 名	單價(單位:圓)	使 用 量	材 料 費
sticky wax	83.3	1 g	83.3
utility wax	2.0	14 cm	28.0
boxing wax	6.9	8 cm	55.2
Dental stone	1.5	21 g	31.5
※ 材料費 總額			197.0

A  
pouring stone setting

b. ( 5)  
sticky wax, utility wax,  
boxing wax, Dental stone  
sticky wax가 1g, utility wax가 14cm, boxing  
wax가 8cm, Dental stone 21g  
sticky wax가 1g  
83.3, utility wax가 14cm 2.0  
× 14 = 28 28, boxing  
wax가 8cm가 6.9 × 8 = 55.2  
55.2, Dental stone  
21g 1.5 × 21 = 31.5  
31.5 197.0

c.  
MF sticky wax가  
5, utility wax beading sealing  
10, boxing wax boxing sealing 10  
, stone mixing pouring 45  
80

(3) 방법 3.

a.  
1,2 A  
MF sticky wax  
B,C E  
B, C utility wax sealing  
stone mixing  
1 pouring 1  
stone glass slab 2 stone  
mixing patty  
patty가 Trimmer  
model trimming

b. ( 6)  
sticky wax, utility wax, Dental  
stone, sticky wax가 1g, utility  
wax가 21cm, Dental stone 30g  
( 3)  
sticky wax가 1g  
83.3, utility wax가 21cm 2.0 ×  
21 = 42 42, stone 30g

6.

材 料 名	單價(單位:圓)	使 用 量	材 料 費
sticky wax	83.3	1 g	83.3 (單位:圓)
plaster	0.4	158 g	63.2
boxing wax	6.9	25 cm	272.5
Dental stone	1.5	21 g	31.5
※ 材料費 總額			450.5

7.

材 料 名	單價(單位:圓)	使 用 量	材 料 費
sticky wax	83.3	1 g	83.3
utility wax	2.0	14 cm	28.0
boxing wax	6.9	8 cm	55.2
Dental stone	1.5	21 g	31.5
※ 材料費 總額			197.0

1.5×30=45      45  
170.3      .( 6)

stone pouring

c. MF      sticky wax가  
5 , utility wax sealing  
15 , 1 stone pouringgn setting  
45 , 2 stone setting      45 ,  
Model trimming 2  
122

(4) 방법 4.

a.      1,2,3      A      Dental  
saw      Dry  
stone wheel      residual ridge  
Grinding      pouring      stone  
stone wheel      residual ridge  
Grinding      MF  
sticky wax      B,C  
utility wax      sealing      boxing  
wax B D      boxing

b.      ( 7)  
sticky wax, utility wax, boxing  
wax, Dental stone  
sticky wax가 1g, utility wax가 14cm, boxing  
wax가 8cm, Dental stone 2.5g  
( 3)

sticky wax가 1g      83.3  
utility wax가 14cm      2.0×  
14=28      28      , boxing  
wax가 8cm      6.9×8=55.2      55.2  
, Dental stone 2.5g  
1.5×2.5 3.8      3.8  
170.      ( 7).

c. MF      sticky wax가  
5 , utility wax sealing 10 ,  
boxing wax      boxing sealing  
10 , stone pouring      45 ,  
Model trimming 2 ,      10  
82

## V. 결론

가 error  
utility wax  
contact sealing  
가 1  
가 2 가 1 가  
3  
4 3 2.5  
1  
2, 4  
가 4  
4가 가 ideal 가 major connector stone  
가 error가  
error가  
가 processing error 1. Denture  
가 error가 model 2. 1 가 2 4 가  
error 가 3. 2  
1 4 가 3,  
2.5 가 가

8.

方 法	製作費(單位:圓)	順 位	製作時間(單位:圓)	順 位
方 法 1	450.5	4	117	3
方 法 2	197.0	3	80	1
方 法 3	170.3	2	122	4
方 法 4	170.3	1	82	2

## 참고 문헌

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