

기능모형제작법의 상호비교, 분석에 관한 소고

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목 차

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

2.

3.

1.

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),

(3)

(2),

(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 bx가 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

(5).

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
 (8) 가 3,4
 가 1
 가 2 가 1 가
 3
 4 3 2.5 1
 2, 4 가 4 major connector stone
 가 ideal 가 error가
 error가
 가 processing error 1. Denture
 가 error가 model 2. 1 가 2 4 가
 error 가 3. 2 3,
 1 가 가 4 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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