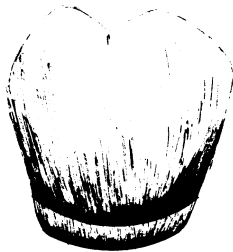


Porcelain Discoloration의 방지책

大韓齒科技工學會 學術部長. 모던 치과기공소

A preventive measure of porcelain discoloration

가 palladium silver alloys 가 firing cycle()
 가 silver alloy
 가 porcelain
 porcelain firing temperature silver



alloy surface silver가
 silver
 2가
 1) silver가 porcelain
 furnace가 cooling
 , heating cooling
 2) silver alloy 가
 porcelain
 silver

Cause of Discoloration

<변색의 원인>

green-yellow discoloration silver가
 silver particle alloy() silver가
 (stain) silver particle size silver porcelain
 가 silver particle size 가 metal junction 가
 green yellow orange

변색방지

porcelain 가
 (alloy) silver
 alloy silver가

gold metal conditioner,
 ceramic metal conditioner

1. Gold metal conditioners : 24 karat gold
 metal conditioner alloy(
) silver가

gold metal conditioner가
 alloy gold가
 25%

silver가 gold 가
 surface() silver 가
 15%
 silver가 %

2. Ceramic metal conditioner : metal
 porcelain
 metal porcelain

furnace
 <Fig. 1a>

metal surface body porcelain

ceramic metal conditioner

glass coating
 <Fig. 1b> opaque line metal
 conditioner body
 porcelain alloy

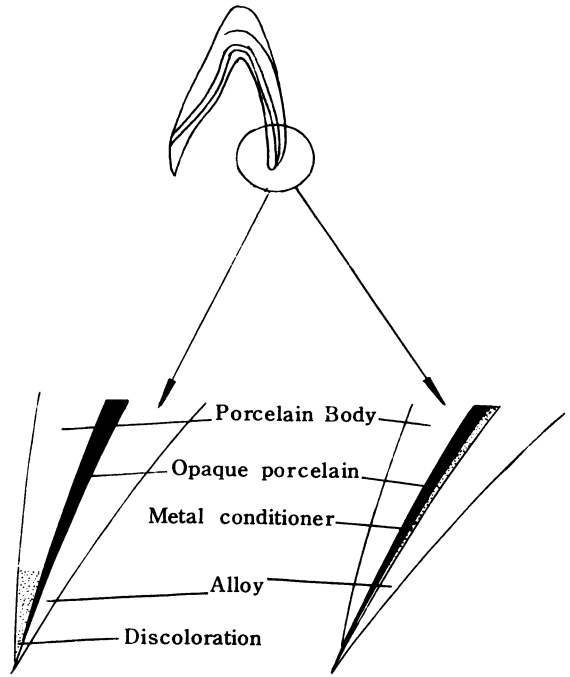


Fig 1a.

Fig 1b.

NOTE : 가
 가

, porcelain
 가

1. opaque gold metal conditioner
 underfiring proper porcelain
 opaque

2.
 palladium silver alloy gold alloy
 (alloy)

요 약

silver
porcelain

Jelenco-thermotrol technician-
Mar.-Apr. 1979
Vol. 33 NO. 2 中