

FILLING



MODULE 7

SINGLE CONE TECHNIQUE

Single Cone Technique

A sealer is placed into the canal with a Lentulo followed by one Gutta-Percha Point, matching the preparation.

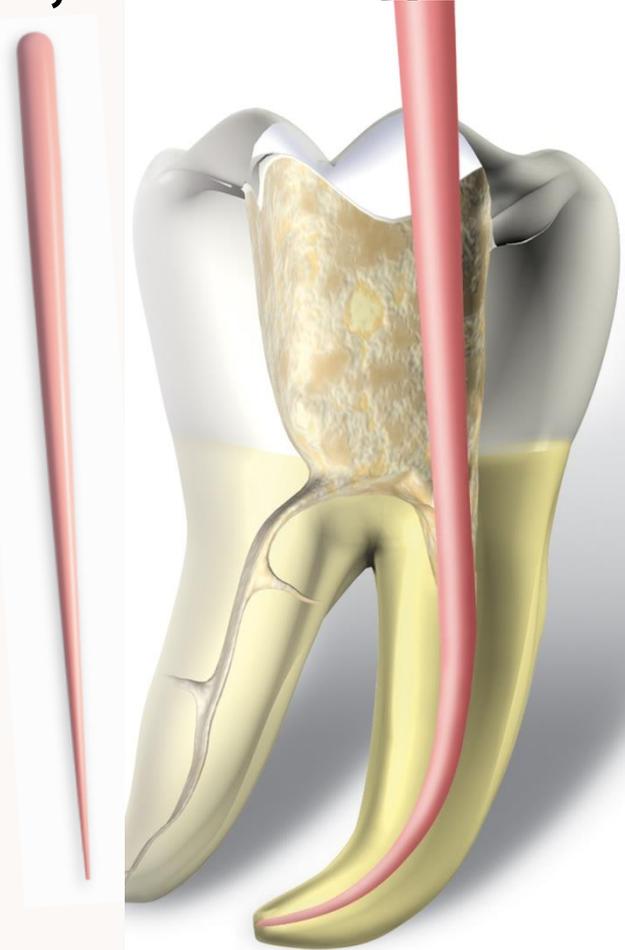
Lentulo to introduce the sealer



Sealer



Topseal MIX



DENTSPLY

MAILLEFER



**CONTINUING EDUCATION
CLINICAL EDUCATION**

LATERAL CONDENSATION

Standardized and non-standardized Paper Points and Gutta Percha Points

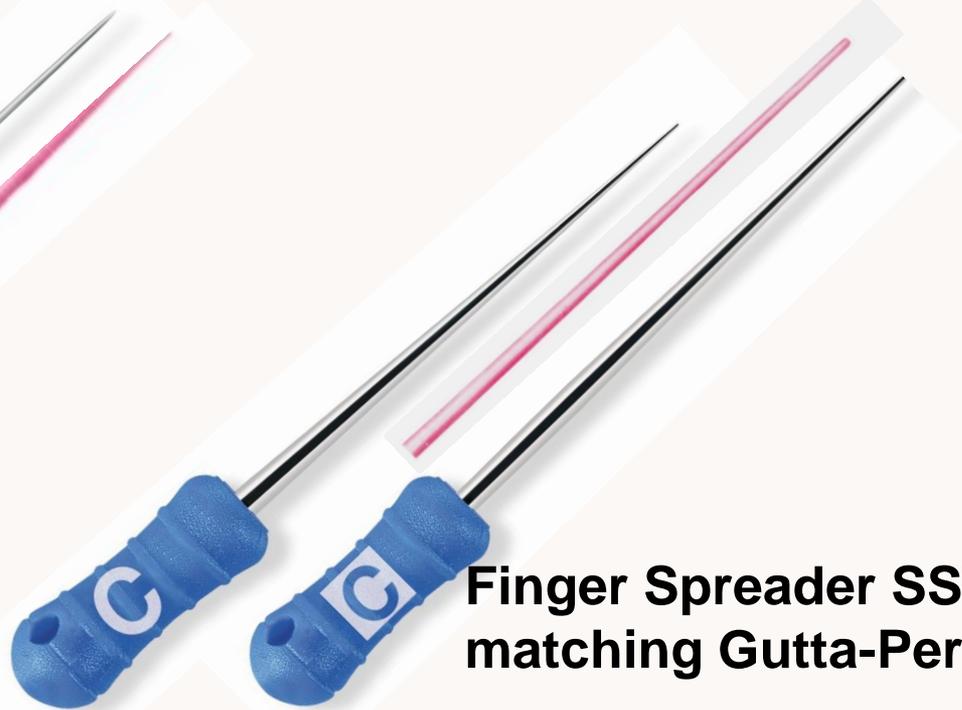


F1 F2 F3 F4 F5 F1 F2 F3 F4 F5

Lateral Condensation

A sealer is placed in the canal followed by a fitted gutta percha Master Point compacted laterally by a tapering Spreader to make room for additional accessory points

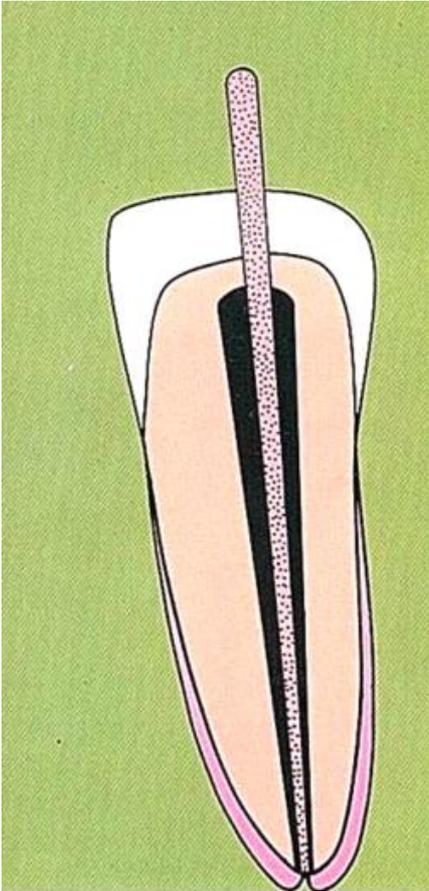
Finger
Spreader SST



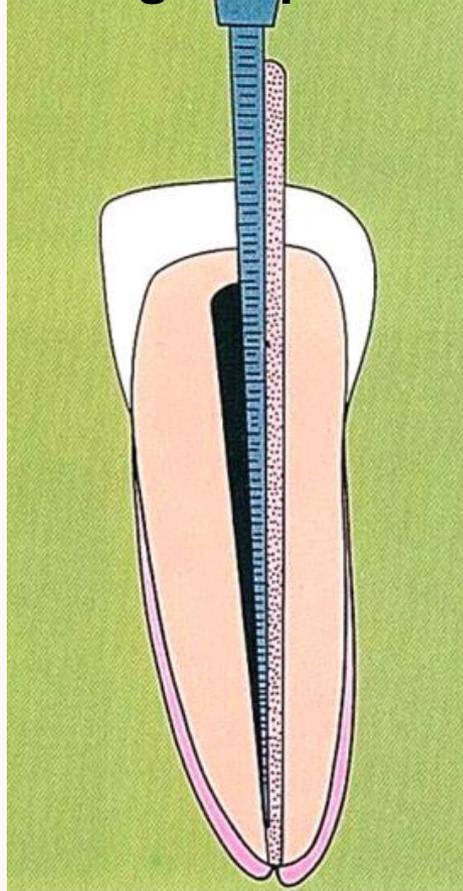
Finger Spreader SST and NiTi
matching Gutta-Percha A-D

Technique with gutta-percha points non standardized and sealer

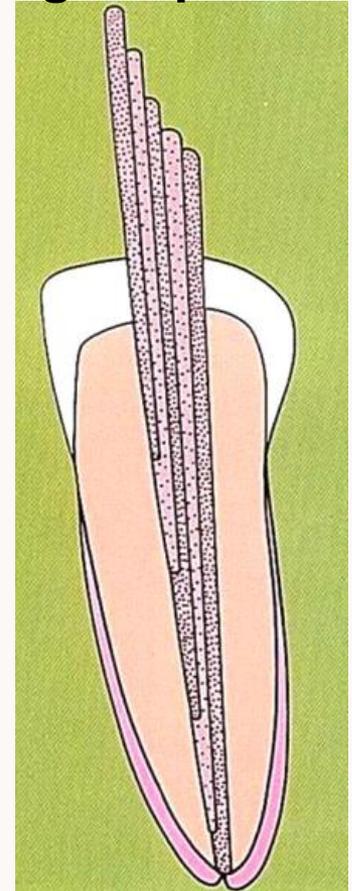
Insert a cone
with sealer



Apply a Finger Spreader
along the points



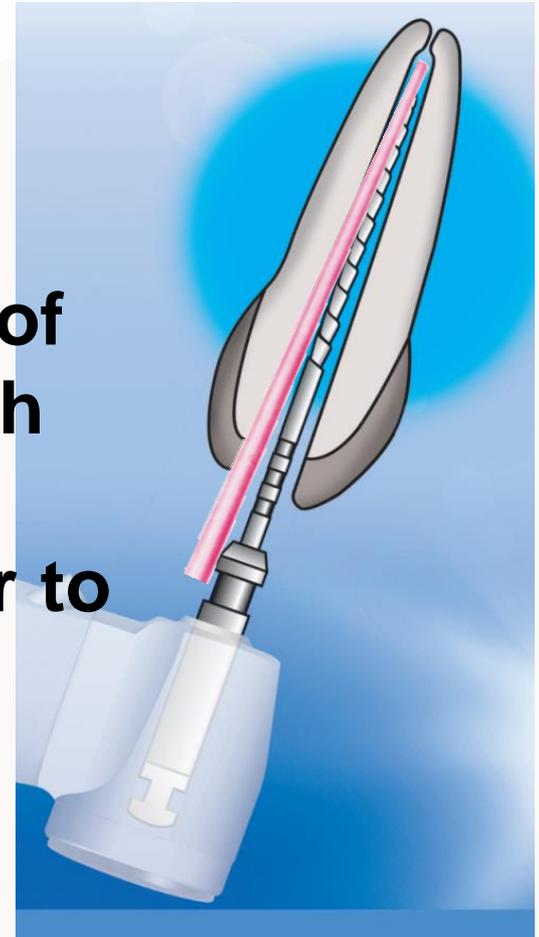
Then a new cone
and again a
Finger Spreader



Hybrid Technique with non standardized gutta-percha points and Gutta-Condenser

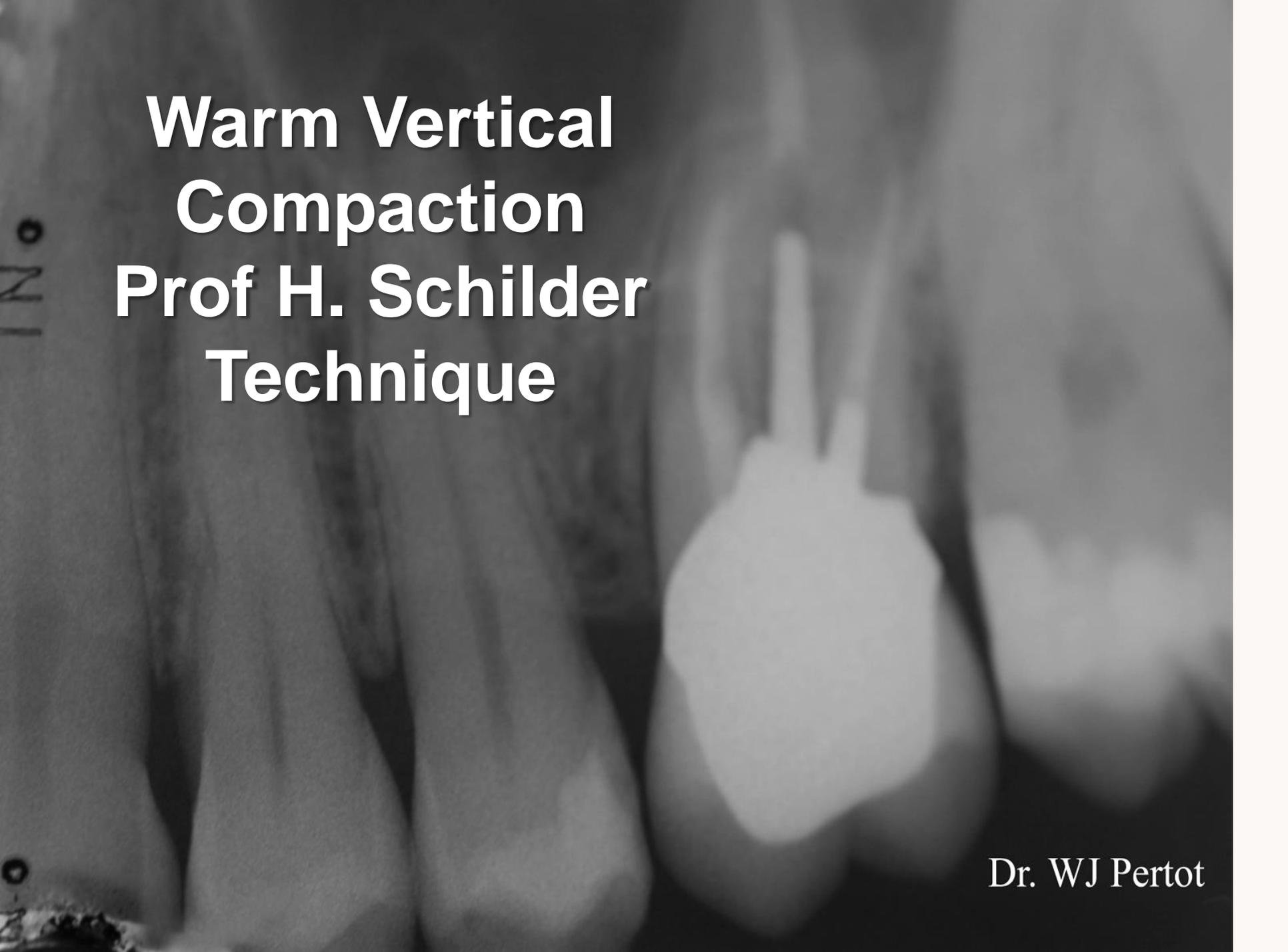


After each point of Gutta-Percha with sealer, use the Gutta-Condensor to melt and fill the canal.



WARM VERTICAL COMPACTION

(Prof. Herbert Schilder Technique)



**Warm Vertical
Compaction
Prof H. Schilder
Technique**

Dr. WJ Pertot

WL

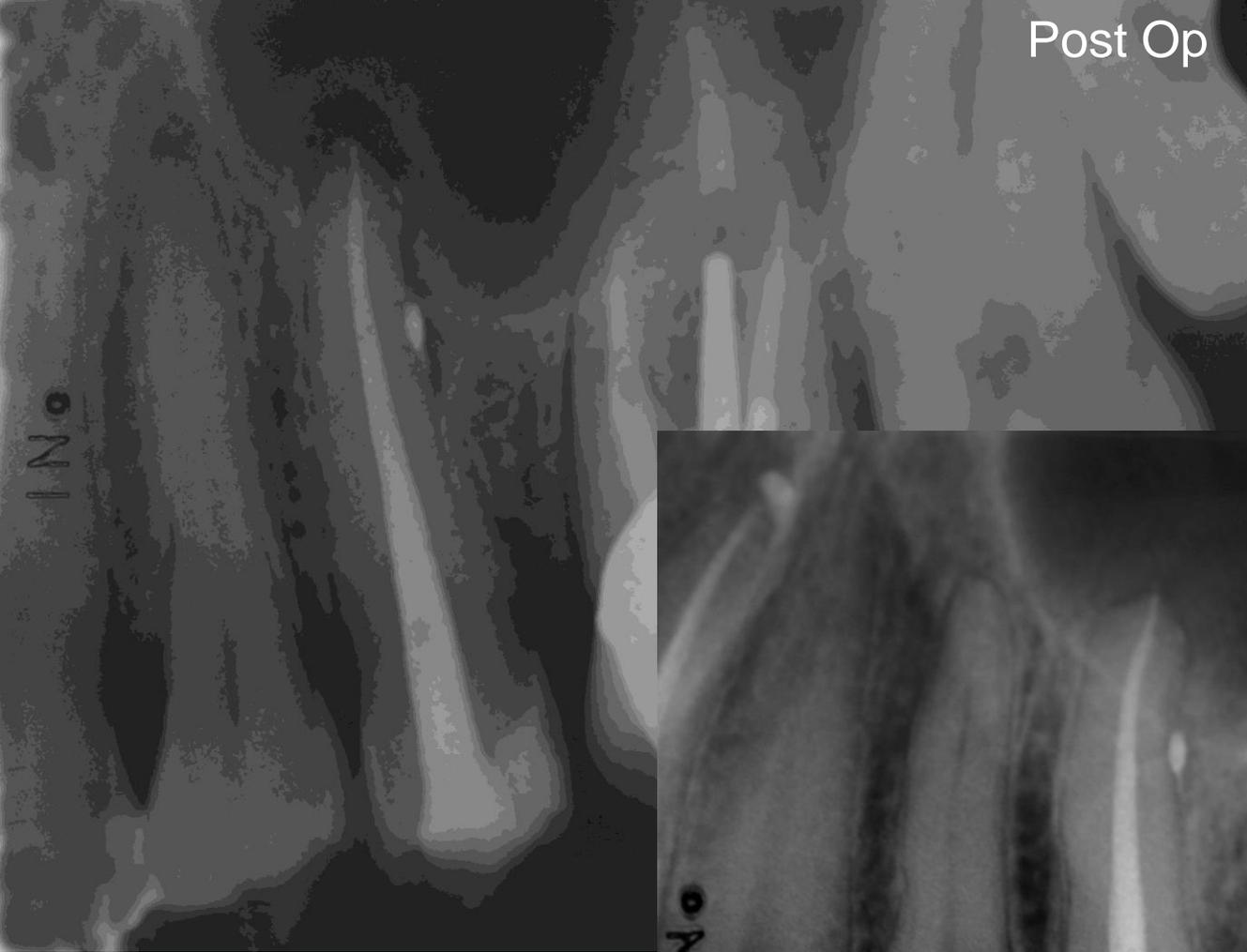
INO



Cone Fit F2

INO



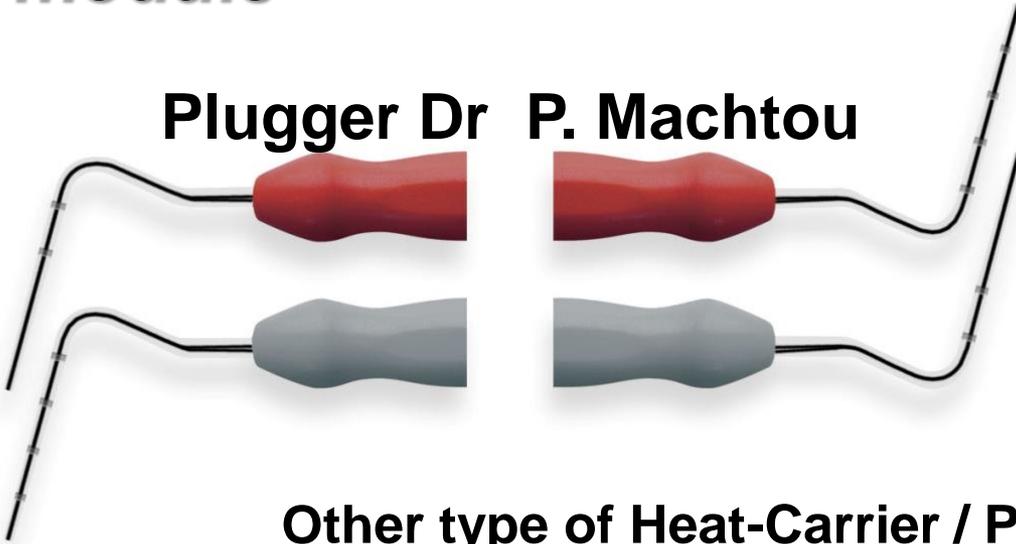


Dr. WJ Pertot

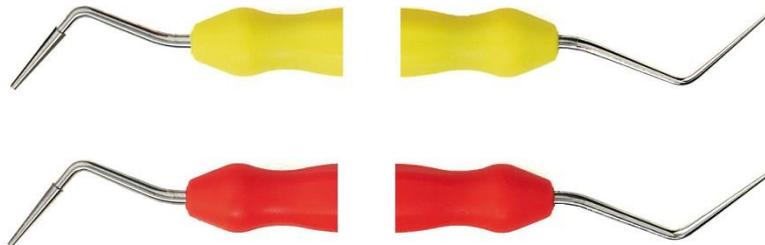
SCHILDER Technique

Similar technique to the Warm Gutta-Percha vertical condensation with Calamus device described later in this module

Plugger Dr P. Machtou



Other type of Heat-Carrier / Plugger



Plugger Dr. Schilder



Heat Carrier

Comparison of a Warm Gutta-Percha Obturation Technique and Lateral Condensation

Clinton K & Himel V *J Endodon* 2001 ; 27 : 692-695

« Thermafil was more able to penetrate in lateral spaces, showed less voids, and had a better adaptation to canal walls than lateral condensation technique... »