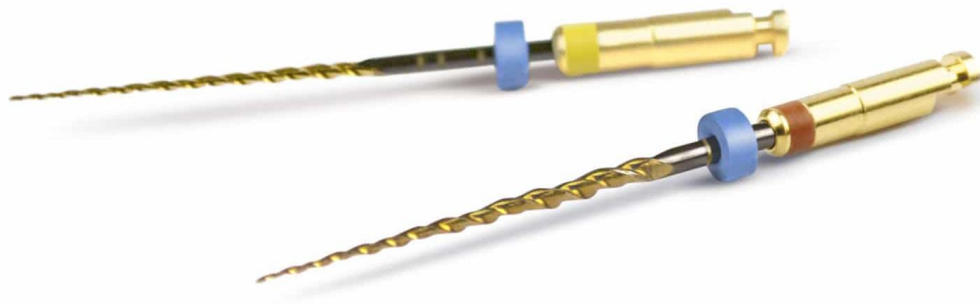




UNIVERSITATEA DE STAT DE MEDICINĂ
ȘI FARMACIE „NICOLAE TESTEMIȚANU”
DIN REPUBLICA MOLDOVA

Metode de obturare a canalelor radiculare în tratamentul periodontitelor apicale.

Obturarea canalelor radiculare cu diferite materiale.



- M` srp\_æ\_ bcd\_ g d \_ a\_ l \_jsjsgp\_basj\_pqc t \_ d\_ac l sk \_g \_rsl aga\_ b l s t mk \_t c\_ k gmq l cd\_qr\* bspæpægcjg d dpæ b d\_ cj, A\_ l \_jsj ræ` s g qd d_ _` qmjsr sqa_r Pæasp_r* d p d k gmq l cd_qr,

M` rsp æ bc a l j ræ` s g

- æc_j qd _bcæ j_ ncæ æga_ l _jsjsgægqd cr_ l æcxc k _apm a_ l _jsj æga_ l _jæsjcjc bcl rd _æ*
- Qd m` rspæxc qn_ æsj a_ l _jcjmpbc b gæpæc am dæsp_ æg
- Qd dæ mk mecl d* p_b gmm_ad æam rp_qrd' æg` d c æjæc qrcpæd,

• Ncl rps m̀ rsp_pc_ a_l _jcjmp p_bgasj_pc qc dñmqcqa
 k sjrgjc k _rcpgjc qs` dñk d bc n_qrc* adk cl rspg aml spg
 rcpk _dj cra, Nsrck m̀ rsp_ a_l _jcjc l sk _gas n_qrc Pg
 adk cl rspg R_l sk gcjc qc_jcp qcn_p_r* cjc qc dñmqcqa
 k _gpcat cl r U dñrcjc pcns` jag_jc Sl \$l gQmt gpgac PgU
 Σdpjc cspmccl c* q_s aml ank gcl r_njgAl b k crmb_ qjcp+
 djcp* _bgad adk cl r_pc_ djcpmp&aml spjmp+sk njsm_pcjmp
 U a_l _jcjc p_bgasj_pc,

• Qqrck sj bc m̀ srp_pc qjcp+djcp* _bg_ srjg_pc_ aml spjmp
 bc esr_ncpad dg_rcpk _djcmpas bgcpjc n_qrc a_
 Cl bmk cr_xm _* Bcvmbcl r* Cl bmdj* n_qrc nc ` _xd bc
 pdg gask _pd?F) *?F 04 Pg_jrc n_qrc _s mpdqñÁl bgc
 nc qa_pd j_ped U npcxcl r PgU R_p_ l m_qrpd,

BcagŬ np̄xcl r l s cqr̄c _aacnr_rd k cmb_bc m̄ rsp_pc _
a_l _jcjmpl sk _gas n_qrc a_pc sjrcpmpqc Ŭ rdpcqa nc
a_l _j,

- jnqcR̄c sl am̄ r̄mj np̄cag _ sk njcpg_a_l _jsjs̄
- p_k Á qn_Ŭ r̄pc nmp̄s_l jc bc n_qrd g r̄mbsqc9
- ncp̄g_r̄d l cmk mecl g_rc_ m̄ rsp_Ŭc̄
- l s cqr̄c mcr_l R̄cx_pc ank njcrd
- j_ngr̄m_l _pc n_qr_ sR̄mpnm_rc ndr̄ps_l bc bsnd _ncvsj
dxḡm̄eḡ
- qm̄js` ḡg_rc qnmp̄g_d j_ _ncvsj dxḡm̄eḡ qg_j,

Bc _acc_ ? qmag_Ŭ bcl rdR̄r̄mp? k cpg_a_l gl s pcank _l bd
m̄ rsp_pc _a_l _jcjmpl sk _gas q̄gcpc* agl sk _gŬ
ank `g_Ŭc as am̄ sp̄gbg esr_ncpad* _ap̄gac* rg_l *
p̄eg r*̄q̄ p bc q̄ḡjd q̄gx̄gam̄ g,

- ?Rè_b_p m̀rsp_fâ bc a_l _j gpc_j rpe` sg qd cr_l Rxc a_l _jsj Rgqd
bcpc j ncpccjc jsq qd sk njc am d`sp_fâ a_l _jsjsgaU bc U esqr
I s _pdj qd dg mk mecl d* p_bgm_ad Rgqrcpid
- J_ U acnsr U a_l _j qc g rmb sac n_qr_ q_s qgpcsj,

Ncl rps _ npt cl gngm _pc_ n_qrcg qgpcsjsg ncpn_ga_j cqrcl cacq_p8

- bc qcjcar_r _asj Jcl rsjimas mbk cl qsl c k _gk gad bcaAr
jdpek c_ a_l _jsjsq
- nc qsnp_d R jsap_rg d __asjsgJcl rsjmqc U qcpc_xd sl gmpk
qgpcsj* ddpd _j U adpa_ as k _rcpjsj bc m̀rsp_pc9
- _asj Jcl rsjmqc g rmb sac U a_l _j nU d _npm_nc bc _ncvsj
dxgimega9
- _nmqc nsl c U k gPa_pc nccq_, Tgxc_ g qpsk cl rsjsgl s rpe` sg qd
dg k _gk _pc bc 6. . bc rsp_fânc k g sr
- _asj U njg d k gPa_pc rpe_r qc qam_rc bg a_l _j
- 'I _R_ k mb k _rcpjsj bc m̀rsp_fâ qc g qcpc_xd sl gmpk * qs`
dmpk d bc qrp_rsp B_ad _asj Jcl rsjm_pc bck cl qsl gk _gk ggbcaU
bgk cl rpsj a_l _jsjsgt mpcnpt cl gc ck `mjg _cpd d Rngm _pc_
k _rcpjsjsgrp_l q_nga_j,



File **Lentullo**

- Dr. Chetruș Viorica









- 'l rp_r_k cl rsj _da~~si~~l gmpncp~~mb~~l r_jc cqr~~c~~ dn~~rc~~ g~~k~~ nmp~~r~~_l r bc
ncpk g` g~~g~~_r a_l _jcjc p_b~~asj~~_pc d~~gbc~~ n~~pcjsap~~_r k ca_l g~~a~~ d~~g~~
k cb~~g~~_k cl m~~q~~ n~~U~~_ t m~~pjgqgcjg~~ g d~~gjc~~*b~~s~~p~~pc~~_ d~~gk~~ g~~m~~q~~sj~~ d~~rc~~ b~~g~~
a_l _jcjc p_b~~asj~~_pc, 'l j~~gq~~_ _acq~~mp~~q~~k~~ n~~mk~~ c n~~srck~~ r~~pc~~ac j_
m~~è~~ r~~sp~~_pc_ a_l _jcj~~m~~
- Ncl rps sl qsaacq ~~U~~ rp_r_k cl rsj nc~~p~~~~mb~~l r~~gcj~~~~m~~* k _g~~U~~rÁga_l _jcjc
qc t m~~p~~m~~è~~ r~~sp~~_ t p~~ck~~ cjl g~~a~~ as n~~pcn~~_p~~rc~~ nc` _xd bc a_ja~~s~~ ncl rps m
b~~sp~~_rd bc / +1 q_s af g~~p~~nÁl d j_ 4 jsl gBsn_ _acqr rp_r_k cl r
t p~~ck~~ cjl g~~a~~ p~~qr~~s~~pc~~ bc a_ja~~s~~ t m~~p~~g~~U~~jdrsp~~rc~~ b~~g~~ a_l _jsj p_b~~asj~~_p
n~~p~~g~~g~~_p~~as~~ ajm~~f~~ cv~~g~~g_ q_s f g~~m~~ajm~~g~~ bc q~~m~~b~~s~~* a_l _jsj qc t_
sqa_ q~~g~~qc t_ m~~è~~ r~~sp~~_ b~~cd~~g~~g~~ b~~snd~~ sl _ b~~g~~ rcf l g~~acjc~~ bc m~~è~~ r~~sp~~_pc
ncpk _l cl rc,
- Qn~~pc~~ b~~cm~~q~~c~~` g~~pc~~ bc nsjng~~c~~* ~~U~~ nc~~p~~~~mb~~l r~~gc~~ a_l _jcjc p_b~~asj~~_pc qc
t m~~p~~m~~è~~ r~~sp~~_ nÁl d ~~U~~ _ncvsj _l _r~~mk~~ g~~a~~ g~~p~~sl g~~s~~r~~m~~p~~pc~~ank _l b_ af g~~p~~
b~~cnd~~g~~pc~~_ _ncvsjs~~g~~_l _r~~mk~~ g~~a~~ as Qc_jcp

Pentru obturarea canalelor radiculare pot fi folosite mai multe tehnici, dar cel mai des sunt folosite tehnicile:

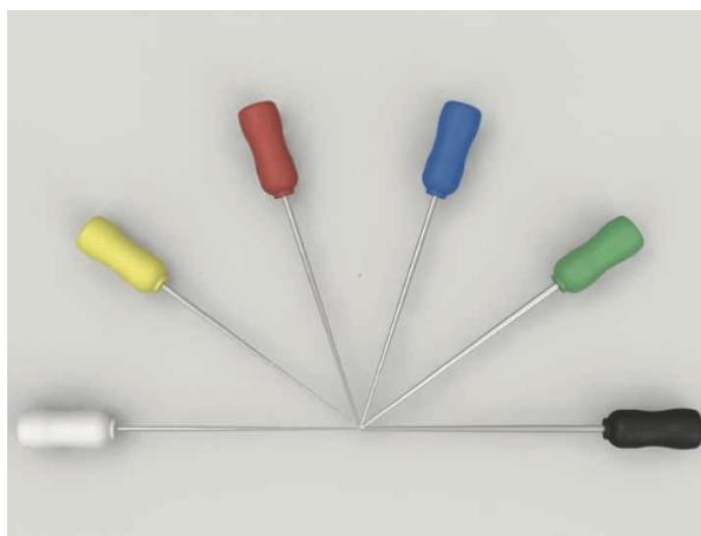
- Rcf I ga_ bc am bcl q_pc j_rcp_jd j_ a_jb _ esr_ncpag
- Rcf I ga_ bc am bcl q_pc t cpra_jd j_ a_jb _ esr_ncpag
- Rcf I ga_ **SJRP? DG 1B**
- Rcf I ga_ **Rf cpk _dj,**
- Rcf I ga_ bc g hcar_pc q,_,

Tehnica de condensare laterală la rece a gutapercii

- Aici se prezintă tehnica de condensare laterală la rece a gutapercii. Se începe cu introducerea gutaperiei în canalul rămas după îndepărtarea pulpei. Se aplică mișcări de condensare laterală, asigurându-se o bună adaptare a materialului la pereții canalului. Se verifică etanșarea canalului și se trece la următorul pas.
- Amplasarea gutaperiei se face în așa fel încât să se asigure o bună adaptare la pereții canalului. Se aplică mișcări de condensare laterală, asigurându-se o bună adaptare a materialului la pereții canalului. Se verifică etanșarea canalului și se trece la următorul pas.
- Qnpe_bcpsj bsnd ask. Se aplică mișcări de condensare laterală, asigurându-se o bună adaptare a materialului la pereții canalului. Se verifică etanșarea canalului și se trece la următorul pas.

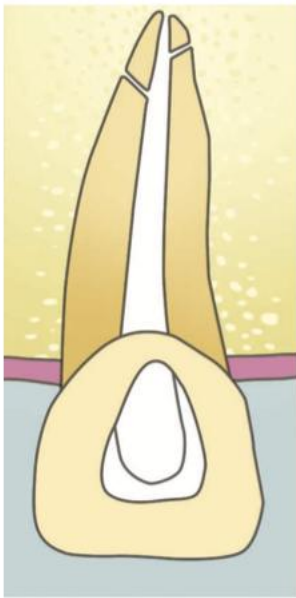


(a)

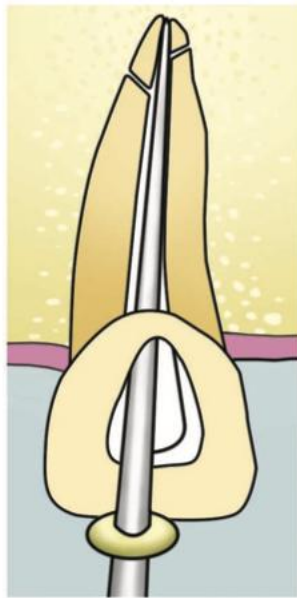


(b)

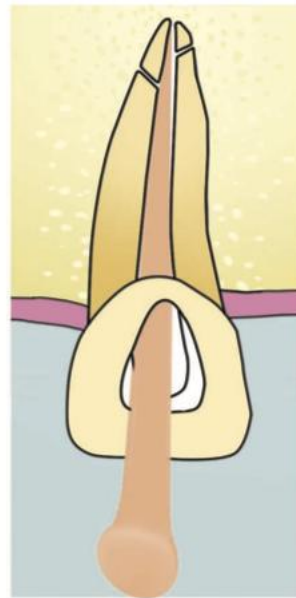
Figure 15.8 (a) Hand spreader. (b) Finger spreader.



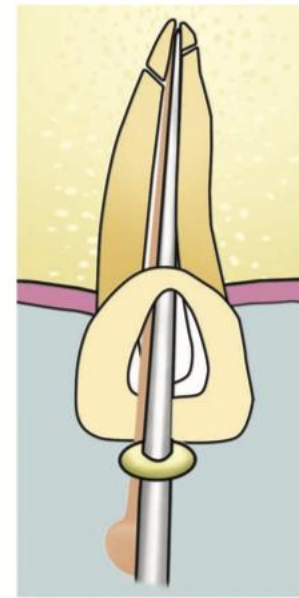
(a)



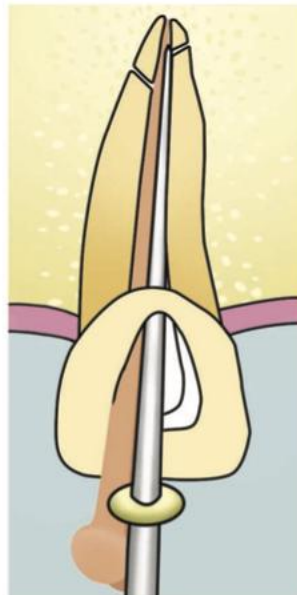
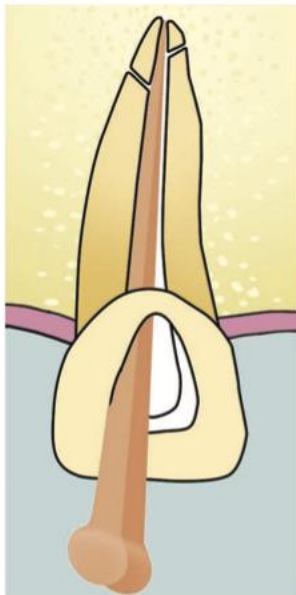
(b)

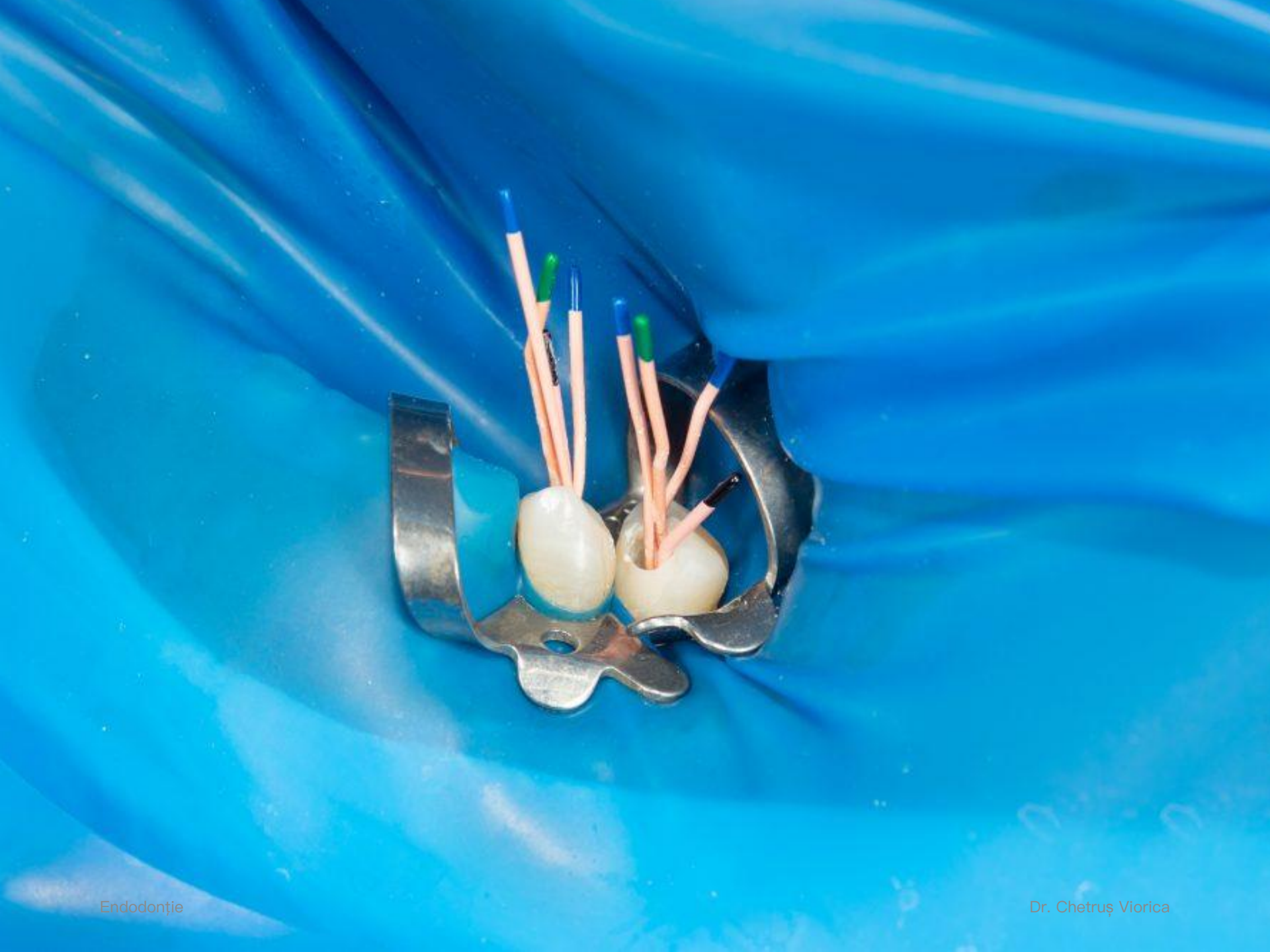


(c)



(d)





- K_gqsl r Ěgqnpc_bcp bcg_jc+dl ecpqnpcbcpc, Qsl r jg p_rc Ű qcr
bc 2 g qpsk cl rc bc bcp pc a_jg pc* as t Ápsj _qasĚ* b_pbc
bq cl qsl gpcbsqc,

Avantajul lor:

- aml dcpd mk _pc qcl qg ġg_rc r_argd9
- ncpk g pmpc _qnpc_bcpjsjgŰ Ĥpsj _vsjsgqds Ű _k `cjc qcl qspg
- ncpk g Ű bndpr_pc _jmbg a_l _j dcpd bgjma_pc _aml spjmbc
esr_ncpad

Etapele de lucru:

- npcn_p_pc _k ca_l g Ěgqrcpjg_pc _a_l _jsjsg
- sqa_pc _a_l _jsjsg
- rcqr_pc _qnpc_bcpjsjgc bc npcdp_r dl ef cp* a_cj qd _sl ed nÁl d j_
mnpml gk c bc / +0 k k k _gqsq bc aml qmpaĚ _nga_jd
- _jcecp_pc _aml sjsgbc esr_ncpad npg agn_j &k _qrcp, Cj rpe`sg qd dg
as sl l sk dpk _gk _pc bcaAr a_jg psj acjsjk _gepm g qpsk cl r as
a_pc q+ jdpeg a_l _jsj nc rm_rd jsl egk c _bc jsaps* ncl rps _qc
nsrc_mmpgas . *3+ k k k _gqsq bc aml qmpaĚ _nga_jd,
- B_ad a_l _jsj cqrc j_pe ncl rps _npt cl gndrpsl bcp_pc _aml sjsgŰ
aml qmpaĚ _nga_jd t Ápsj jsjqc pcr_xd as aŰg _k gk cpg
- Npm _aml sjsgnc jsl egk c _a_l _jsjsg

- ? n j a _ p c _ q g c p s j s g n c n c p c f a _ l _ j s j s g
- A m _ d _ p c _ a m i s j s g a s q g c p f a _ l _ j r m b s a c p c _ j s g l a _ l _ j
- G r m b s a c p c _ q n p c _ b c p s j s g b c + _ j s l e s j a m i s j s g n c a _ p c l a m i b c l q c _ x d j _ r c p _ j * b _ p f a s m k g a _ p c b c n p c q s l c q n p c a m i q n p a f a _ n g _ j d & p c _ j _ p o g a s / + 0 k k , k _ g q s q b c _ n c v s j o x n i m e a ' 9
- K c l f a c p c _ q n p c _ b c p s j s g l n m x g a a d n d r _ r d r k n b c / 3 + 1 . q c a s l b c * _ a c _ q r _ n p c t c b c m _ b c p c l f a k _ g ` s l d _ a m i s j s g k _ q r c p b c n c p c r c j c q n p c a _ p c j + _ k a m i b c l q _ r 9
- ' l b c n d p r _ p c _ q n p c _ b c p s j s g b g a _ l _ j a s k g a d p g b c p m r _ f a s q m _ p c b c 1 . + 2 . b c e p _ b c 9
- G r m b s a c p c _ g c b g r _ _ s l s g _ j r a m i k _ g k g a a s t A p s j a m _ d _ r l q g c p l j m a s j q n p c _ b c p s j s g
- P c l r m b s a c p c _ q n p c _ b c p s j s g d g a m i b c l q _ p c _ j _ r c p _ j d _ _ k ` c j m p a m i s p g
- P c n c r _ p c _ k _ l c t p c j m p n p c a c b c l r c n c l r p s _ l r m b s a c s l l m s a m i b c e s r _ n c p a d n A l d l k m k c l s r s j a A l b l s q c k _ g n m _ r c l r m b s a c s l _ j r a m i ,

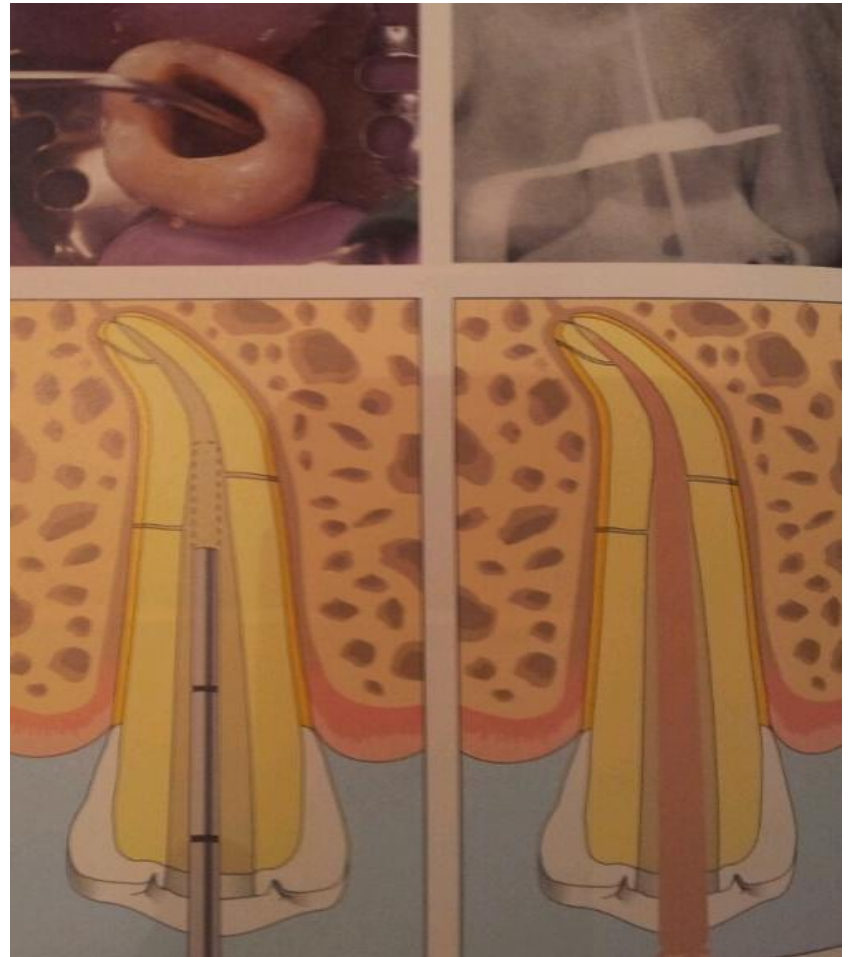
- 'l bndpr_pc_ cvacqsjsgam spjmbc esr_ncpad npl qcalm_pc_ as
sl g qpsk cl r g adjxg &c bck cl qsl gk g j_ l g cjsj mpsg
a_l _jcjimp_bcasj_pc9
- Am bcl q_pc_ d _jd* t cprg _jd _ esr_ncpag b g xml _ a_l _jcjimpas
njseecpsj
- 'l bndpr_pc_ qgcpjsjg Ū qncag j j_ b g fgm r_jgnÁ d j_ l g cjsj k _g
mq bc amjcrsj b g rcjsj ncl rps _ l s anjimp_ ampm_l _
- J_ b g fgmjspp_bcasj_pg Ū qcp_pc_ qgcpjsjsgnc nmbc_s_ a_k cpg
nsjn_pc fgam bcq_pc_ j_ a_jb _ esr_ncpag ncl rps qeg_pc_
a_l _jcasjcjimp_aacqmpg b g _ac_qrd xml d9
- P_bgmep_dg bc am rpmj9
- M` rsp\_fgm bc ` _xd* q_s gxmj_l rd
- M` rsp_fgm ampm _pd* bc bsp_rd

Tehnica de condensare laterală la cald a gutapercii

- Rcf l g_ npct cbc Ū npc_j_` g Ū bcnjd gc_ npk cjmpcr_nc & Ū d j_ _njg_ pc_ qgcpsjsgnc ncpccga_l _jsjsgqg_ am sjsgas_d r j_ a_ ndr Ū qgcpc_ k cmbcgnpcacbel rc, ?nmgnj_qdk Ū a_l _j auct_ am spg _aacqmpg Ū rmbacpc_ sl sgqnp_ bcp Ū adjxg ncl rps p_k mjgc_ esr_ncpag ncl rps a_c_ qd sk njc sl gmpk a_l _jsj*_nmgam bcl qdk Pgas sl qnp_ bcpccac* ncl rps _ gmpk _ qn_ Pjsj ncl rps sl _jr am ,
- Ncl rps p_k mjgc_ esr_ncpag nm gchimgc qnp_ bcpjc mē g Psgc q_s as t lpsj Ū gmpk d bc` g Pm pd9q_s qnp_ bcpjc cjcarnac Cl bmca* Ū a_jxgc n Ū d j_ / 33 ep_bc A, as placg k cbgrd,
- Rcf l g_ Cl bmca npct cbc am ank gcl r am bcl q_ pc_ j_rcp_jd Pēg t cpg_jd as sl g qpsk cl r as bs` js mj* qnp_ bcp* Pgnjseecp
- ?ac_qrd rcf l g ad cqrk k _g_t _l r_lm_qd bg _acj k mrg ad8
- ncpk gc srjg_ pc_ qgc jmp
- _b_nr_pc qsnpcgm_pd _ esr_ncpagj_ ncpccga_l _jsjsg Ū spk _ p_k mjgcg
- Npk k mmē rsp_Pc bc a_l _j mk mecl g_rd dg
- ncpk gc mmē rsp_pc k _gcr_l Pd

Tehnica de condensare verticală la cald a gutapercii

Metoda a fost introdusă de Schilder în 1967. Constă în obturarea canalelor printr-o condensare verticală cu pluggerul a gutapercii rămolite prin încălzire .



Etapele:

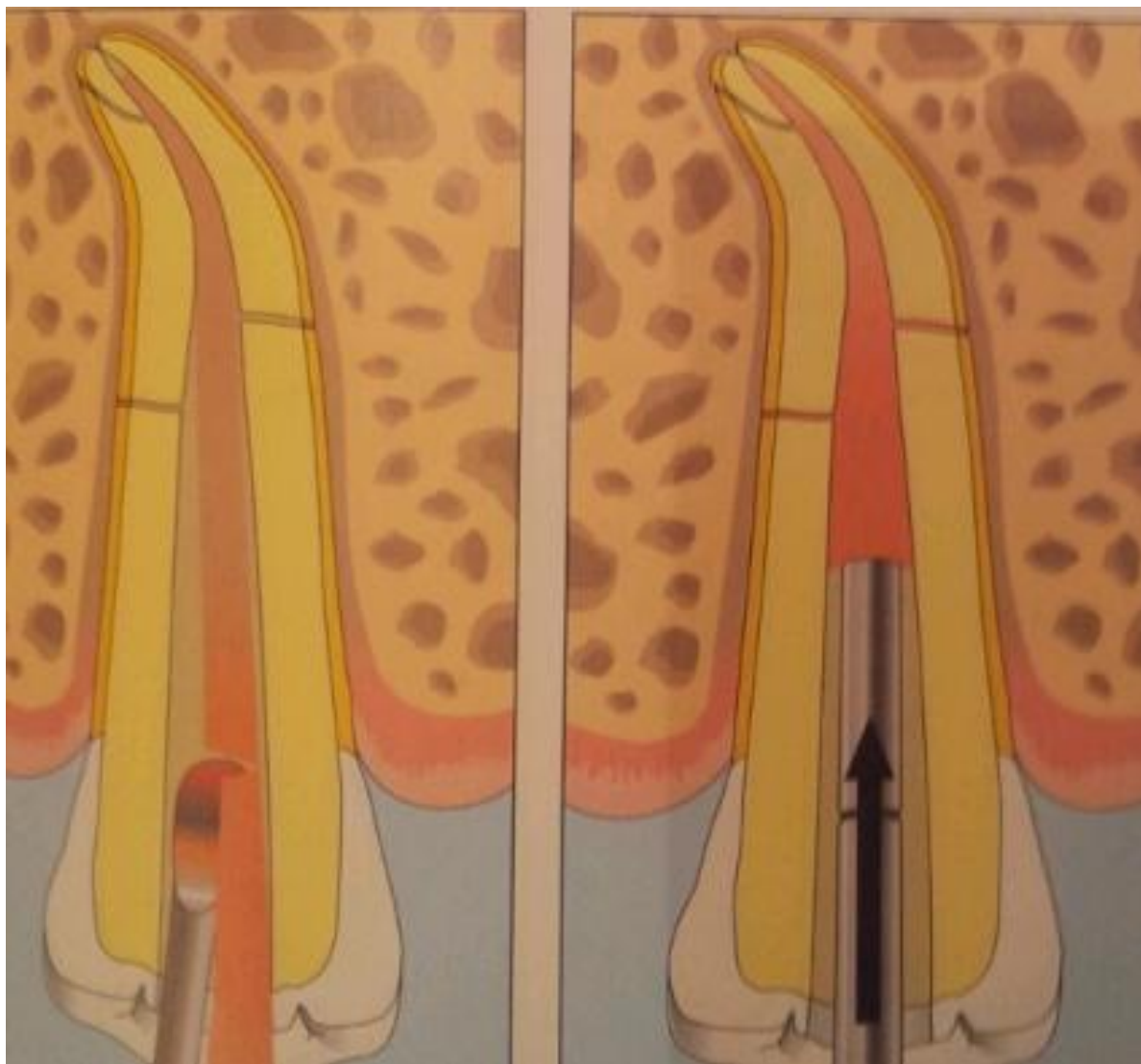
- qc qcjcarc_xd am sj n p d ag_j & _qrcpam ' *qc n p m c_xd njseecpjc 80+1+2 njseecp bc b p p c b k cl q s l d
- qc Ű r p m b s a c q q c p s j Ű n m p f i l c _ _ n g a _ j d 9
- k _qrcpam sj qc as _ d _ x d as q q c p d g q c Ű r p m b s a c Ű a _ l _ j 9
- q c a f i m _ p c _ j s g j _ d r p _ p c _ Ű a _ l _ j 9 A m b c l q _ p c _ a m s j s g Ű p c e s l c _ m p t a g i m p b c d r p _ p c a s n j s e e c p s j ,
- Ű r p m b s a c p c _ s l s g q n p c _ b c p Ű a d j x g f i g a m b c l q _ p c _ Ű a _ l _ j _ e s r _ n c p a g 9
- Ű r p m b s a c p c _ s l s g n j s e e c p l c Ű a d j x g f i g a m b c l q _ p c _ t c p r a _ j d * s j r k c j c b n s d c r _ n c q c d _ a p n c r _ r b c a l u c t _ m p 9
- n c l r p s s k n j c p c _ q s d a c l r d _ a _ l _ j s j s g Ű c j q c Ű r p m b s a d _ e c k c l r c b c a m s p g p _ k m j d b s _ i c f i g a m b c l q Ű b s _ i c n Ű d a _ l _ j s j q c m r s p c _ x d b c n j d ,
- **M n _ p r a s j _ p r _ r c _ _ a c q r c g k c r m b c c q r c a d s k n j c p c _ a _ l _ j s j s g a s a m b c l q _ p c _ e s r _ n c p a g q c d _ a c j _ Ű a c n s r q n p c _ n c v * _ n m g a _ l _ j s j q c m r s p c _ x d a s d _ e k c l r c b c a m s p g b g q n p c _ n c v q n p c g f i g a m b c l a _ l _ j , D p _ e c k c l r c j c b c a m s p g l s q c a m _ d _ x d a s q q c p & a c k c l r ' ,**

Avantajele:

- r c f l g a d c v a c j c l r d 9 m r s p _ f i c n k m e c l d 9

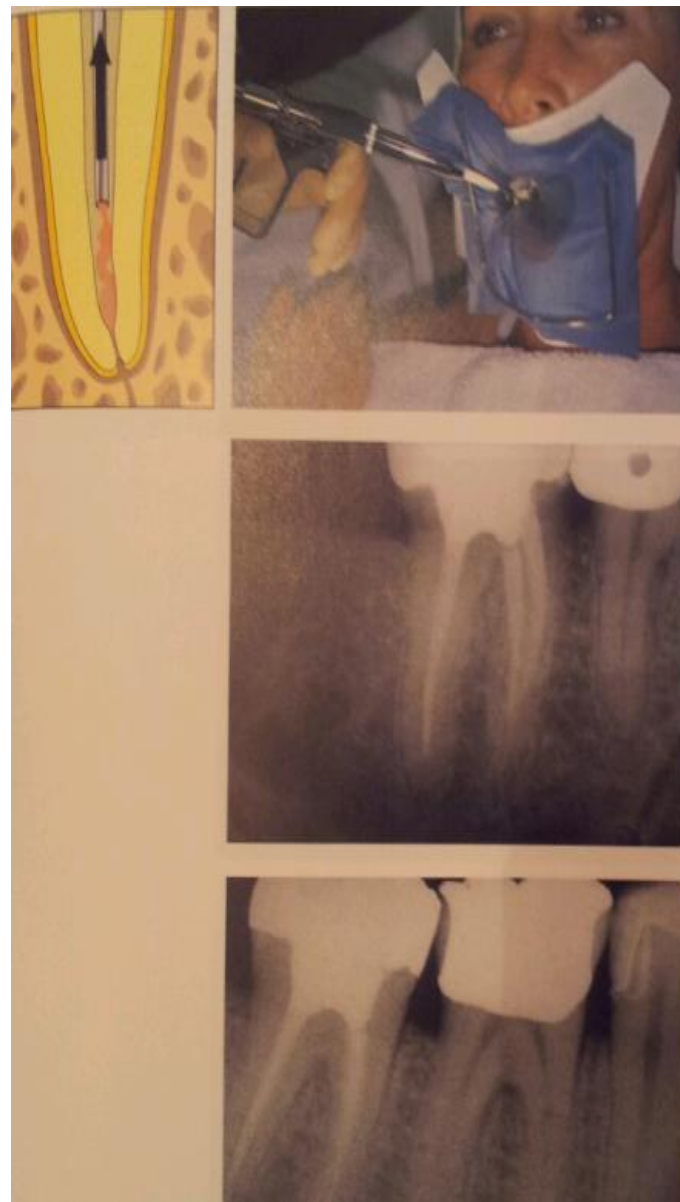
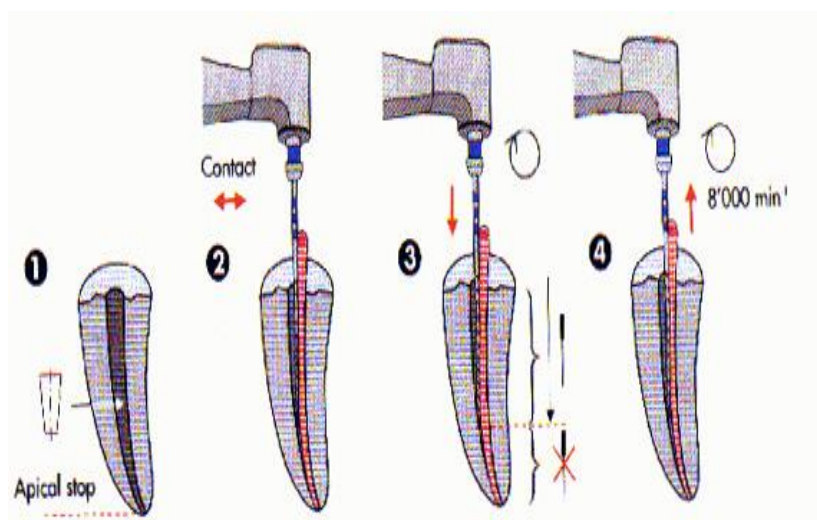
Dezavantajele tehnicii;

- **J _ ` m p m _ q d * l c a c q g d k s j r r k n * d i m j d p e g c c v a c q d d _ a _ l _ j s j s g**



Tehnica de condesare termomecanică a gutapercii, sau tehnica McSpadden

A fost introdusă de McSpadden în anii 1978-79. Tehnica constă în ramolirea gutapercii în canal de un instrument rotativ-compactatorul, un ac cuplat la o piesă specială care face 8000-10 000 de rotații-minut. Rotațiile la frecare produc căldura care ramolește conurile de gutapercă.



Etape de lucru:

- $rcqr_pc_am\ sjsq\ Am\ sj\ rcc\`sqq\ qd\ qc\`jmafcxc\ j_ / *3\ k\ k\ bc\ am\ qrpq\`$
 $_nga_jd9qcjcar_pc_ank\ n_armsjsq$
- $am\ d_pc_t\`Am\ sjsqam\ sjsqbc\ esr_ncpad\ as\ qjcp*g\ rmbasacpc_am\ sjsqPq$
 $dy_pc_j_jsl\ edk\ c_ast\ cl\ gd9$
- $U\ rmbasacpc_ank\ n_armsjsqgnU\ d\ qc\ qcqxc_xd\ sl\ m\`qr_amj9$
- $_afm\ _pc_ank\ n_armsjsq$
- $npmsjq_pc_jcl\ rd\ b_pam\ rg\ sd\ _ank\ n_armsjsqU\ a_l\ _j\ nU\ d\ qc\ _sl\ ec\ j_$
 $xm\ _qr_gd$
- $pcrp_ecpc_jcl\ rd\ _ank\ n_armsjsqbg\ a_l\ _j*b_pas\ _acjc_Pgrsp_Pqk_vq\ c$
- $Qc\ am\ qdcpd\ a_l\ _jsj\ m\`rsp\_r\_rs\l\ agaAl\ b\ qc\ qk\ rc\ sl\ m\`qr_amj\ U\ a_l\ _j*m$
 $pcqnd\ ecpc_ank\ n_armsjsq9q_s\`jma_pc_jsqU\ a_l\ _j\ as\ d_arsp_pc\,$

?t_l_r_hjc k cmbc8

- $ct\ g_pc\ npmsjqdpc\ rk_rcq\ jsjsgrp_l\ q_nga_j9m\`rsp_pc_p_ngd\ _a_l\ _jsjsq$
 $rk\ n\ bc\ 7.\ qca,$
- $?k\ cijmp_pc_qegdpq\ a_l\ _jsjsqdg\ nk\ mecl\ g_pc_m\`rsp_Pqg$

Bcx_t_l_r_hjc8

- $acpc\ k\ sjrd\ k\ sl\ ad*acpc\ m\`sl\ d\ np_argad*cvncpql\ f9$
- $P_l\ qc\ bc\ d_arsp_pc_ank\ n_armsjsq9nmq\`gq_rc_sl\ mpjcxq\l\ grcpk\ qac$
- $U\ jnq_cvncpql\ f9gnm_rc_t\ c_jma\ npmsjq_pc_esr_ncpadpql\ q_nga_j$

Tehnica de injectare a gutapercii ramolite prin încălzire

- ? dnr $\dot{U}$ rmb sqd $\dot{U}$ / 755 bc Hc $\dot{U}$ gam qrd $\dot{U}$ g hcar_pc_ bpcard
 $\dot{U}$ a_l_j _esr_ncpagpk mjg, Cvgrd bmsd qgrck c npj ag_jc bc
 pdk mjg npj $\dot{U}$ adjxgc8
- _, qgrck sj M` rsp_ $\dot{U}$ g
- ` , qgrck sj Sjrp_dj



Sistemul Obtura

P_k m_jc_ esr_ncpagj_ / 4. A as g hcar_pc_ cgU a_l _jc as ma_l sjd
as bg_k crps bc . *3 k k bc jsaps8

Etapele de lucru:

- A_l _jsj rpe` sg qd dg jdpeg k g g sk as _asj l p 1.
- ?asj rpe` sg qd qc _npsl bcxc U a_l _j nU d j_ 1+3 k k k _gqsq bc
am qmpa_g _ng_jd
- Qcjcar_pc_ njseecpimp
- 'l rmb sacpc_ qicpsjsgnc ncpcega_l _jsjsg
- G hcar_pc_ jcl rd _ esr_ncpagnc ncpccjc a_l _jsjsg _qrccj a_ _cpsj
bg a_l _j qd qc cjk g c* qd l s dmk cxc` sjc bc _cp
- M` rsp_pc_ a_l _jsjsgnc qceck cl rc & n_pc_ _ng_jd* k cbg Fg
nmpa_l c_ qsnpcgm_p'
- Am bcl q_pc_ dg _jd _ esr_ncpag as njseecpcjc qcjcar_rc

Avantaje:

/, M` rsp_pc_ a_l _jcjmp
j_rcp_jc dg_ a_t gdΣmp_l cvc
a_l _jsjsgp_bcasj_pnpj ag_j
&@_l Σp* bcjr_ _nga_jd*
g cl bgè sjc'
0, M` rsp_pc_ a_t gdΣmpbc
pcqmp` Σc g rcp d
1, M` rsp_pc_ a_l _jcjmpŰ
dmpk d bc îAï

Dezavantaje:

/, Pga bc bcnddg_nga_jc
0, Pga bc qsnpŰ adjxpc _
Σqsrspjimpncpgr_bcasj_pc

Sistemul Ultrafil(tehnica 3D)

- Pdk mjg _esr_ncpagj_ 5. A, K crmb_ npct cbc jg p _pc_ esr_ncpagj_ a_nqsjc qncagjc bc rpggrnspg8 rnspl cacqg_ am bcl q_pc dgsi rgn l s l cacqg_ ' as bg k crps . *3 k k bc sl bc qc g hcarc_xd npj rpmqcpj ed bc npcqst c,
- Rcpk mr_r nmr_` g ncl rps U adjxg _a_nqsjcjmp as esr_ncpad
- Pcesjgm jg _mpgncl rps m` rsp_pc_ ampcard8
- Dmjmg _sl sgak cl r bc qeg _pc*
- Am bcl q_pc_ esr_ncpagj_pdk mjg as njseecpc _bcat _rc,

?t_l_r_8

- m_b_nr_pc q ` sl d j_ ncp _p_basj_pj
- Ncl crp_pc_ esr_ncpagjaf g_p U a_l _jg asjcjc bcl rd _pc,

Tehnica Success Fill

Această tehnică folosește un sistem de obturatoare asociate cu 'ULTRAFIL 3D. Tija obturatorului poate fi confecționată din titan sau din material plastic radioopac

Timpii operatori:

Marcarea lungimii de lucru pe tijă,
Cuafarea peretilor canalului cu sigilant
Introducerea tijei într-o seringă cu gutapercă termoplastifiată, la lungimea de lucru, și la încărcarea sa cu gutapercă prin retragere;
Introducerea tijei în canal la lungimea de lucru;
Condensarea gutapercii cu pluggere în jurul tijei la emergența canalului;
Secționarea tijei cu freze puțin deasupra orificiului canalului.



Tehnica obturării segmentare de canal

- Am qrd Ū m̀ rsp_pc_ a_l _jsjsnc mnmp_ c bc 1+2 k k
bc j_ am qrp_ _ng_ jd* jdqÁ b l cm̀ rsp_rc 0-1 qsnpc_m_pc
& k cbg_ gac_ bc jÁ ed am_m_l c' ? ac_qrd k crmbd cqr_c
g bg_rd Ū pcam qrp_ gic am_m mp_bg_ sj_pc & g apqr_ g
ncl rps jsap_ pcqr_sp_rg c _jc bg_ gmp
► A_l _jcjc k _gnm cm̀ rsp_rc as am spgbc _p_ g r* rg_l *
k cr_j* q_s as rcpk _g_c,

Tehnica Thermafil

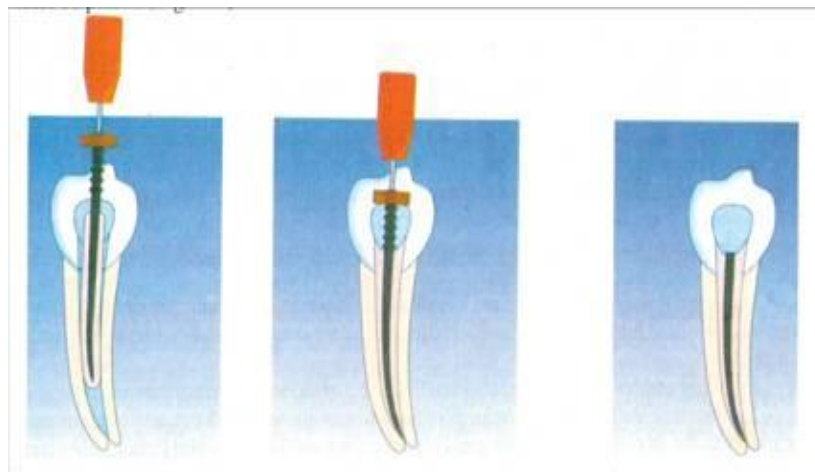
- Ga_bj / 756 Gm l qm G d rmb sq dccc_sl m n r sp_rmpg
cl bmbm rga n p nj_q_pc_esr_ncpagnc sl _a bj mrcj
g mv d _ g,
- G _acqr am rcvr* j_ mp _ars_j_ cqrc dn_pc asl m qasr
m r sp_rmpsj cl bmbm rga Rf cpk _dj & Rsjq_ Bcl r_j Npmb sarq*
Rsjq_ MI '* a_pc nm_rc dgam d argm _r bj mrcj g mv d _ g*
rg_l * q_s qsnmp bc nj_qrga* d b d am hsp_r q_s i k ` p_a_ri
as mesr_ncpa_qncagjd & d x _jd' ncl rps m r sp_pc_
a_l _jcjmp_basj_pc* a_pc _rsi aga_l b cqrc g a_jxgd g rp+
sl bgm xgd qncagj bct g c dn_pc t dqam_qd qgjnagn_qd,

- G _ac_qr_ d_x_ c_ nm_rc d_Ů rmb sqd Ů a_l _jsj ncn_p_r
amc qnsi x_rmp* g_pk dl cpsj pdk _q bc_qsnp_ Ů rmb sqd Ů a_l _jsjsg
p_bqsj_pqc qcargm c_xd as sl g qpsk cl r Ů ad q* pdk dl dl b _qrðj
a_ m̀ rsp_rc bcd_ g_d _ a_l _jsjsg
- Rcf l g_ Ů qrc qk njd* p_nd* sqmpbc Ů qsqg* d_ b am qðcp_rd ac_
k _gcðag rd b_ r p k crmbcj k mbcp c bc m̀ rsp_pc _ a_l _jcjmp
p_bqsj_pc* Ů am b_ g_ sl cgnpcn_p_pamarc _ a_l _jsjsgqg_
pcqncar_p_k g srgn_qc _ r_k ngmpbc jsaps b_ a_bpsj k crmbcg

Tehnica vizează în principal următoarele aspecte:

- +asprdr_pc_ ðgnpcn_p_pc_ a_l _jsjsg
- +Ů adjxpc_ esr_ncpaggnc qsnmpsj qds Ů asnmpsj Rf cpk Npcn rpe` sg
qd d_ amc qnsi xdrmp* ct g_l b bcqnp_ bcp_ esr_ncpaggbc nc
qsnmpsj c_ q_s qsnp_ +Ů a_jxpc_ qg_pcp_ esr_ncpagg
- +_ncvsj rpe` sg q_ g_r as sl q_ cp*
- +m̀ rsp_rmpsj Rf cpk _ d_ qc Ů rmb sac as npcqsl c _ng_ jd* d_pð pnr_ g_*
nc jsl egk c_ a_l _jsjsg g_pqsmjsqsmjc qc Ů j_rsp_

Sistemul Thermafil



Прибор для разогрева obtураторов

