

PRACTICAL CLINICAL COURSES

A Service of the Gordon J. Christensen
Career Development Program

V1331

Nonsurgical Retreatment: Disassembly & Missed Canals, Quality & Profitability

Produced by

ADVANCED ENDODONTICS

Clifford J. Ruddle, DDS (Founder/Director)

Materials Included

C.E. Instruction Sheet
Product/Supplier Lists
Clinician Responsible
Goals & Objectives
Overview
References
AGD Post-Test

Gordon J. Christensen
PRACTICAL CLINICAL COURSES

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Clifford J. Ruddle
ADVANCED ENDODONTICS
Sources of Products Discussed in
V1331 Nonsurgical Retreatment:
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Presented by: Clifford J. Ruddle, DDS

| ITEM | DESCRIPTION | BRAND / COMPANY |
|-------------------------------------|--|----------------------------------|
| Edge-Ease | X-ray Comfort Cushions | Strong Dental / Schein |
| Rubber Dam | Handidam (one size) | Aseptico / Dentsply Tulsa Dental |
| Rubber Dam Frame | Ostby Type - Part no. 547-3539 | Hygenic / Schein |
| Rubber Dam Clamps | Molars (26, 8A), Anteriors (9), Bi's (9) | Ivory or Hu-Friedy / Schein |
| Hot Pulp Test Tip | For thermal testing | SybronEndo or Schein |
| Mirror Handle w/Ruler | Item #100-8125 | Schein |
| Stropko Irrigator | Tri-plex syringe adapter | Dr. John Stropko |
| Metalift | Crown & Bridge Remover | Classic Practice Resources |
| Endo Access Kit | Assorted Burs & X-Gates | Dentsply Tulsa Dental |
| Burs...Transmetal | 1958 or 2158 FG | Brasseler |
| ...Round Surgical Length | FG 2, 4 Carbide | Brasseler |
| ...Tapered Diamonds | Round End (6856L-014) / Needle (859-010) | Brasseler |
| IRRIGANTS / DEVICES: | | |
| Irrigating Syringes | 3cc, 23 gauge (notched tip) | Monoject / Schein |
| Navi-Tip | 29 gauge (notched tip), 21 mm | Ultradent |
| NaOCl Warmer | Sm. hotplate for warm water bath | Mr. Coffee |
| Water Beaker | 2651A (3x3) -- For NaOCl syringes | Profex Medical Products |
| RC Prep or Glyde | Viscous chelator | Schein |
| Syringe for RC Prep / Glyde | 1cc Plastic #0124 | Ultradent |
| Tip for syringe / Stropko Irrigator | White Mac #0661 | Ultradent |
| 17% EDTA | Aqueous chelator | Roth International |
| Calcium Hydroxide | Interappointment dressing | Pulpdent / Schein |
| Xylol/Chloroform | Clean excess sealer off walls / Remove cements | Schein |
| HAND INSTRUMENTATION: | | |
| Files / 10, 15 | K-Files | Dentsply Maillefer |
| Files / 20, 25, 30 | Flexofiles | Dentsply Maillefer |
| Files / 35, 40, 50, 60 | SureFlex | Dentsply Maillefer |
| ProTaper Hand Files | Snap-on handles (SX, S1, S2, F1, F2, F3) | Dentsply Tulsa Dental |
| Bird Beak Plier | For precurving NiTi hand files | Hu-Friedy / Schein |
| Endo Ring | Blue Ring w/Foam Inserts | Jordco / Schein |
| Micro Openers & Debridors | All Sizes | Dentsply Maillefer |
| ROTARY INSTRUMENTATION: | | |
| ProTaper Rotary Files | SX, S1, S2, F1, F2, F3, F4, F5 | Dentsply Tulsa Dental |
| ProTaper Retreatment Files | D1, D2, D3 | Dentsply Tulsa Dental |
| ProFile Orifice Shapers | Sizes 20-50 | Dentsply Tulsa Dental |
| ProFile .04 Tapers | Sizes 35-50 | Dentsply Tulsa Dental |
| X-Gates | Single Instrument (Gates Gliddens 1-4) | Dentsply Tulsa Dental |
| Gates Glidden Drills | Stainless Steel Sizes 1-6 | Dentsply Maillefer |

(Continued)

| ITEM | DESCRIPTION | BRAND / COMPANY |
|------------------------------------|--|-------------------------------|
| CROWN & BRIDGE REMOVAL: | | |
| Crown Splitter | Removing restorative segments | SybronEndo |
| K.Y. Pliers | Grasping Instrument | G.C. America / Schein |
| Wynman Crown Gripper | Grasping Instrument | Miltex Instrument / Schein |
| Crown-a-matic | Percussive Instrument | Peerless / Schein |
| Coronaflex | Percussive Instrument | KaVo America |
| Metalfit | Passive/Active Instrument | Classic Practice Resources |
| Kline Crown Remover | Passive/Active Instrument | Brasseler |
| Richwil | Accessory Device | Almore / Schein |
| Rand | Accessory Device | J.R.Rand / Schein |
| CANAL OBSTRUCTIONS: | | |
| Stieglitz Forceps | Silver point removers | Hu-Friedy / Schein |
| Spinal Tap Needle | 18, 20, 22 g., 2 1/2", SS-1529 Blunt | Ranfac |
| Instrument Removal System (iRS) | Remove silver points, carriers or files | Dentsply Tulsa Dental |
| Ruddle Post Removal System | Post Remover Kit | SybronEndo |
| Roto-Pro Burs (Variety of sizes) | Rotosonic Scalers for Post Removal | Ellman |
| Gyro-Tip | For Fiber Post Removal | Ultradent |
| PASTE REMOVAL: | | |
| Endosolv E | Eugenate Based Paste | Endoco |
| Endosolv R | Resin Based Paste | Endoco |
| PERFORATION REPAIRS: | | |
| ProRoot (MTA) | Mineral Trioxide Aggregate | Dentsply Tulsa Dental |
| SuperEba | Resin cement | Harry J. Bosworth / Schein |
| Calcium Sulfate | Medical Grade | Life Core Biomedical |
| CollaCote | Absorbable collagen dressing | Sulzer Dental |
| West Perf Repair Instruments | West 1-2, West 3-4 | SybronEndo |
| Spinal Tap Needle | 18 g. for delivering ProRoot | Ranfac |
| Dovgan Carriers | ProRoot (MTA) Carrier | Quality Aspirators |
| ADHESION DENTISTRY: | | |
| Curing Light | Demetron or Pro-Lite | SybronEndo or Maillefer |
| Focu Tips | For narrowing light beam | SmartPractice |
| Tubulicid Red | For cleaning enamel & dentin | Global Dental |
| Etch-37 | Etchant 37% Phosphoric Acid | Bisco |
| Tooth Conditioner Gel | Etching gel in syringe | Caulk / Schein |
| Microbrush | Etching & bonding | Schein |
| Benda Brush | Applicator brush | Centrix / Schein |
| OBTURATION: | | |
| Gutta Percha | Fine-Medium / Medium or ProTaper Matching | Dentsply Tulsa Dental |
| Pulp Canal Sealer - EWT | Powder & Liquid | Kerr / Schein |
| 5004 Touch 'N Heat | Heat Source 0.5mm plugger tip | Kerr / Schein |
| Pluggers | Sizes 8-12 Posterior | Schilder / Dentsply Maillefer |
| Calamus Flow | Gutta Percha Delivery System for backpacking | Dentsply Tulsa Dental |
| Calcium Hydroxide | Interappointment dressing | Pulpdent Corp / Schein |

(Continued)

| ITEM | DESCRIPTION | BRAND / COMPANY |
|---------------------------------|---|------------------------|
| EQUIPMENT: | | |
| EndoActivator System | Sonic Handpiece Driver & Activator Tips | Dentsply Tulsa Dental |
| Slowspeed Electric H.P. | Gear Reduction / DTC Motor | Dentsply Tulsa Dental |
| Slowspeed Electric or Air | Gear Reduction | KaVo America |
| Ultrasonic Unit (Piezoelectric) | P5 Ultrasonic Generator | Dentsply Tulsa Dental |
| Ultrasonic Instruments | ProUltra ENDO 1-5, ENDO 6-8, SINE 1-6 | Dentsply Tulsa Dental |
| File Adapter | FA11 (file holder) | SybronEndo |
| Electronic Apex Locator | Root ZX | J. Morita |
| Microscope | A variety of choices | Zeiss |
| Dental Mobile Cart | Customized Endodontic Cart | ASI Medical |
| Digital Xray System | Digital Radiography | Schick Technologies |
| Dental Anatomy Website | Patient Education Tool | ToothAtlas.com |

For any questions regarding the products and/or techniques presented, please contact:

ADVANCED ENDODONTICS • CLIFFORD J. RUDDLE DDS
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Clifford J. Ruddle
ADVANCED ENDODONTICS
Sources of Suppliers Discussed in
V1331 Nonsurgical Retreatment:
Disassembly & Missed Canals, Quality & Profitability
Presented by: Clifford J. Ruddle, DDS

| COMPANY | TOLL FREE | FAX | PHONE | WEBSITE |
|-----------------------------|--------------|--------------|--------------|-----------------------|
| Advanced Endodontics | 800-753-3636 | 805-965-8253 | 805-964-8838 | endoruddle.com |
| Aseptico | 800-426-5913 | 360-668-8722 | 425-487-3157 | aseptico.com |
| ASI Medical | 800-566-9953 | 303-766-8584 | 303-766-3646 | asimedical.net |
| Bisco | 800-247-3368 | 800-959-9550 | 847-534-6000 | bisco.com |
| Brasseler | 800-841-4522 | 888-610-1937 | 912-927-8671 | brasselerusa.com |
| C. K. Dental Specialties | 800-675-2537 | 714-639-6991 | 714-639-6990 | ckdental.net |
| CareCredit | 800-859-9975 | 800-333-3196 | -- | carecredit.com |
| Classic Practice Resources | 800-928-9289 | 888-841-5384 | 225-928-0799 | metalfit.com |
| Dentco | 800-454-9244 | 914-948-1711 | 914-682-6600 | dentcorp.com |
| Dentsply Maillefer | 800-924-7393 | 800-924-7389 | -- | maillefer.com |
| Dentsply Tulsa Dental Spec. | 800-662-1202 | 918-493-6599 | 918-493-6598 | tulsadental.com |
| Designs for Vision | 800-727-6407 | 631-585-3404 | 631-585-3300 | designsforvision.com |
| Ellman International | 800-835-5355 | 516-569-0054 | 516-594-3333 | ellman.com |
| Endoco | 800-388-7868 | 866-683-6679 | 901-683-6677 | endoco.com |
| Global Dental Products | -- | 516-785-7885 | 516-221-8844 | gdpdental.com |
| Global Surgical | 800-767-8726 | 636-861-2969 | 636-861-3388 | globalsurgical.com |
| Hu-Friedy | 800-483-7433 | 800-729-1299 | 877-321-4333 | hu-friedy.com |
| J. Morita USA | 888-566-7482 | 949-465-1095 | 949-581-9600 | jmoritausa.com |
| KaVo America | 800-323-8029 | 847-550-6825 | 847-550-6800 | kavo.com |
| Life Core Biomedical | 800-348-4368 | 952-368-3411 | 952-368-4300 | lifecore.com |
| Link Ergonomics | 800-424-5465 | 417-206-4622 | 417-206-4600 | linkdental.com |
| Marquis Dental | 800-359-3206 | 303-344-5232 | 303-344-5222 | perio-aid.net |
| Moyco Precision Abrasives | 800-331-8837 | 215-362-3809 | 215-855-4300 | moycotech.com |
| Mr. Coffee | 800-672-6333 | -- | -- | mrcoffee.com |
| Profex Medical Products | 800-325-0196 | 901-454-9850 | 901-452-7485 | profexmed.com |
| Quality Aspirators | 800-858-2121 | 972-298-6592 | 972-298-2669 | qualityaspirators.com |
| Ranfac | 800-272-6322 | 508-584-8588 | 508-588-4400 | ranfac.com |
| Roth International Ltd. | 800-445-0572 | 312-733-7398 | 312-733-1478 | rothendo.com |
| Henry Schein | 800-372-4346 | 800-732-7023 | 775-327-3200 | henryschein.com |
| Schick Technologies | 877-724-4254 | 718-482-2030 | 718-937-5765 | schicktech.com |
| SmartPractice | 800-522-0800 | 800-522-8329 | 602-225-0595 | smartpractice.com |
| Stropko, Dr. John | -- | 480-563-7881 | 480-515-4933 | stropko.com |
| SybronEndo | 800-346-3636 | 714-516-7936 | 714-516-7979 | sybronendo.com |
| ToothAtlas.com | -- | 650-854-2568 | 650-233-0200 | eHuman.com |
| Ultradent | 800-552-5512 | 800-842-9024 | 801-572-4200 | ultradent.com |
| Zeiss | 800-442-4020 | 925-557-4101 | 925-557-4100 | zeiss.com |
| Zimmer Dental | 800-854-7019 | 760-431-7811 | 760-431-9515 | zimmerdental.com |

PROGRAM

V1331 Nonsurgical Retreatment: Disassembly & Missed Canals, Quality & Profitability

CLINICIAN RESPONSIBLE:

Clifford J. Ruddle, DDS
Founder and Director, Advanced Endodontics

GOALS & OBJECTIVES

At the completion of this video presentation, participants should be able to accomplish the following:

1. Identify the rationale for nonsurgical endodontic retreatment.
2. Compare survival rates between the restored, retreated tooth and the dental implant.
3. Contrast the various devices for removing fixed restoratives intact.
4. Utilize “microsonic” procedures to remove core materials from the pulp chamber.
5. Locate and successfully treat previously missed canals.
6. Describe appropriate patient communication tools and teamwork.
7. Identify the proper scheduling and fee model for success.

OVERVIEW

V1331 Nonsurgical Retreatment: Disassembly & Missed Canals, Quality & Profitability

There is a need to communicate well with patients concerning endodontic retreatment. This video shows the instruments and techniques for removing restorative materials, identifying and treating missed canals, and scheduling and fee considerations. A review of root canal system anatomy and its role in endodontic prognosis is followed by a systematic analysis of those factors commonly implicated in endodontic failure. Evidence-based procedures are clearly demonstrated utilizing the most proven, effective, and state-of-the-art techniques. Multi-disciplinary treatment planning, case selection, and retreatment fees are emphasized in order to improve clinical results, professional satisfaction, and profitability. This program is designed for the dental team whose vision is the long-term retention of critically essential teeth.

Techniques in this video are demonstrated utilizing 3D graphics and animations, in plastic models, on extracted teeth, and on patients. All procedures have been performed to optimally transfer knowledge and maximize the learning experience.

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V1331 Nonsurgical Retreatment: Disassembly & Missed Canals, Quality & Profitability

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POST-TEST

V1331 Nonsurgical Retreatment: Disassembly & Missed Canals, Quality & Profitability

1. An issue that should be considered when choosing between retreatment or extraction is:
 - a. what does the patient want.
 - b. is it a strategic tooth.
 - c. is the tooth restorable.
 - d. all of the above.

2. Generally, clinicians prepare the access cavity through a restoration if it is judged to be:
 - a. functionally designed, well-fitting, and aesthetically pleasing.
 - b. the most cost-effective way to proceed.
 - c. desirable to the patient.
 - d. better than any alternative choice.

3. In a maxillary first molar, the clinical presence of an MB2 system is over:
 - a. 60% of the time.
 - b. 75% of the time.
 - c. 90% of the time.
 - d. none of the above.

4. The tool that has a wedging device at its working end that when activated is designed to dislodge restorative segments is the:
 - a. Wynman Crown Grippers.
 - b. Crown Splitter.
 - c. Coronaflex.
 - d. Metalift.

5. In general, restorative removal devices can be divided into the following three categories:
 - a. nonactive, vibratory, and active instruments.
 - b. grasping, percussive, and active instruments.
 - c. nonactive, active, and reactive instruments.
 - d. passive, forceful, and intermediary instruments.

6. The best placement of the KY Pliers in the removal of a restorative is:
 - a. on the occlusal aspect of the tooth.
 - b. on the cervical aspect of the tooth near the gingival margin.
 - c. on the buccal and lingual surface of the tooth below the heights of contour.
 - d. none of the above.

7. A passive device for removing restoratives that involves a precision channel is the:
 - a. Kline Crown Remover.
 - b. Coronaflex.
 - c. Crown-A-Matic.
 - d. Metalift.

POST-TEST (CONT'D)

**V1331 Nonsurgical Retreatment:
Disassembly & Missed Canals, Quality & Profitability**

8. An advantageous feature of the Micro-Opener is:
- a. an offset handle.
 - b. double and triple tapers.
 - c. it can be precurved.
 - d. all of the above.
9. Which of the following is not a specific technique mentioned for locating previously missed canals:
- a. explorer pressure
 - b. the champagne test
 - c. the dentinal line test
 - d. ultrasonic instrumentation
10. During endodontic retreatment procedures, vision may be enhanced by:
- a. magnification.
 - b. transillumination.
 - c. removing the restorative.
 - d. all of the above.

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Dentist (limit 1 additional dentist per video purchase): \$25

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