

### WUNDERBrush for Implant Dentures, Implant & Perio Care

Toothbrush designed to clean well around implant-supported restorations. Brush successfully accesses implants from facial and lingual. Bristles are too soft to insert under pontics tightly adapted to gingiva.

\$5.50/Brush

See also Clinicians Report August 2021

## Xerostomia

**CR Note:** Xerostomia is a significant clinical challenge usually caused by medications. Products generally provide short-term relief of symptoms only.

### Proven Products:

- **Biotene Products**, Biotene
- **Moisyn Rinse**, Prisyana Oral Healthcare
- **OraCoat XyliMelts**, OraHealth



### Hydris, Colgate Oral Pharmaceuticals

Over-the-counter glycerin-based rinse freshens breath and relieves dry mouth for many and is readily available. Glycerin provides a **longer lasting coating and relief of symptoms** (up to four hours with some patients).

\$5/500 ml Bottle (1¢/ml)

See also Clinicians Report February 2021

## PROSTHODONTICS, FIXED/REMOVABLE

See also Clinicians Report April 2021: “Broken-Down Teeth: Restore or Remove?” and Clinicians Report October 2021: “Longevity of Direct and Indirect Dental Restorations”

### Cements, Provisional

See also Clinicians Report August 2021: “Best Provisional Cements: Solutions for a Temporary Problem”

**Clinical Tip:** Clinicians may select provisional cements on the basis of reducing sensitivity (*eugenol-based*). In CR tests, eugenol-based provisional cement had no significant influence on the shear bond strength of final cements after 10–14 days and with thorough cleaning of preparation.

### Proven Products: Temporary Clear Esthetic

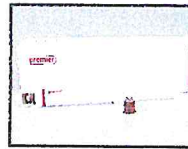
- **ClearTemp LC (resin, veneer only)**, Ultradent
- **NexTemp Clear (resin)**, Premier Dental
- **Telio Link (resin, non-eugenol)**, Ivoclar Vivadent
- **Temp-Bond Clear with Triclosan (resin, non-eugenol)**, Kerr Dental
- **TempoCemID (non-eugenol)**, DMG America

### Proven Products: Temporary Resin

- **E.T.C. (resin, non-eugenol)**, Parkell
- **NexTemp (resin, non-eugenol)**, Premier Dental

### Proven Products: Temporary Non-Resin Cement

- **Durelon (polycarboxylate)**, 3M
- **Fynal and IRM (zinc oxide eugenol)**, Dentsply Sirona
- **RelyX Temp E and RelyX Temp NE (zinc oxide)**, 3M
- **Temp Advantage (zinc oxide non-eugenol)**, GC America
- ★ **Temp-Bond and Temp-Bond NE (zinc oxide with or without eugenol)**, Kerr Dental (*most used*)
- **TempoCem (zinc oxide with or without eugenol)**, DMG America
- **UltraTemp Regular Set (polycarboxylate)**, Ultradent



### NexTemp Clear (Updated Proven Product), Premier Dental

Temporary eugenol-free resin cement with unique components to address sensitivity (**fluoride, chlorhexidine, and potassium nitrate**). Dispensed from dual-barrel ergonomic syringe with mixing tip. **Easy to clean.**

\$47/Kit of One 5 ml Syringe and 10 Mix-Tips (\$9.35/ml)

See also Clinicians Report June 2021

## Cements, Resin: Adhesive (with Separate Self-Etch Primer)

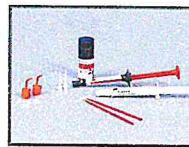
### Proven Products:

- ★ **C&B-Metabond Quick!**, Parkell (*well known for salvage*)
- **EsteCem II**, Tokuyama
- **Multilink Automix Next Generation**, Ivoclar Vivadent
- **Panavia F2.0 and V5**, Kuraray Noritake
- **RelyX Ultimate**, 3M

## Cements, Resin: Self-Adhesive (All-In-One)

### Proven Products:

- **Calibra Universal**, Dentsply Sirona
- **G-CEM LinkAce**, GC America
- **Maxcem Elite and Maxcem Elite Chroma**, KaVo Kerr
- **Panavia SA Cement Universal**, Kuraray Noritake
- ★ **RelyX Universal Resin Cement**, 3M (*improved on RelyX Unicem 2*)
- **SpeedCEM Plus**, Ivoclar Vivadent

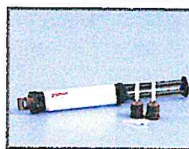


### RelyX Universal Resin Cement (Updated Proven Product), 3M

**Universal self-etching resin cement with MDP** (*stand alone*) or can be used in conjunction with Scotchbond Universal Plus Adhesive for improved bond strengths.

\$216/3.4 gm Syringe (~\$14.60/Crown; ~\$114/ml)

See also Clinicians Report March 2021



### ZR-Cem, Premier Dental

Self-adhesive universal resin cement for zirconia restorations. Has **MDP for bond to zirconia** and BPO/amine-free chemistry for color stability.

\$143/5 ml Automix Syringe and 10 Mix Tips (\$28.56/ml)

See also Clinicians Report January 2021

## Core Build-ups and Accessories

### Proven Products:

- ★ **Absolute Dentin**, Parkell (*low cost*)
- **Build-it FR**, Pentron
- **CompCore AF SyringeMix Stack**, Premier Dental
- **Core Paste XP**, DenMat
- **MultiCore**, Ivoclar Vivadent
- **Visalys CemCore**, Kettenbach

### Proven Products: Accessories

- **Gripper Soft Copper Bands**, Parkell

## Crowns

**CR Note:** Ceramics are now classified by their strength: Class 1 weakest, Class 5 strongest. Within this classification, zirconia occupies only Class 4 and 5 according to their mol% of yttria (e.g., 3Y–5.5Y). Higher amounts of yttria adds translucency but reduces strength. Class 5 (3Y) zirconia gives best chance for long-term durability.

**Proven Products: Ceramic**

- **ArgenZ (zirconia, Class 5, 3Y)**, Argen
- **BruxZir Shaded (Class 5, 3Y tetragonal zirconia)**, Glidewell
- **CZR Press (Class 1, veneer ceramic)**, Kuraray Noritake
- ★ **IPS e.max (Class 3, lithium disilicate)**, Ivoclar Vivadent (most esthetic)
- **Lava Esthetics (Class 4, 5Y zirconia)**, 3M

**Proven Products: Gold**

- ★ **Full Gold**, Various Companies (longest lasting)

## Dentures

See *Laboratory Technology* on page 5

## Impression Materials, Alginate



**Maxima Krom-Alginate Plus**, Henry Schein

**High-quality, dust-free, alginate changes color** from violet to pink when mixed; white when set. Pourable with all plasters. Gluten and crystalline free with peppermint flavor.

\$18/500 gm Bag (4¢/gm)

See also *Clinicians Report* May 2021

## Impression Trays and Accessories

**CR Note:** Make sure stock and custom trays have adequate retention, multiple holes 3 mm or more in size, rim locks (*undercuts on the periphery*), other retentive features, and adequately set adhesive including the borders (*vinyl requires at least 10 minutes at 70° F to set, polyether requires 90 seconds or more*). See *Clinicians Report* June 2021. *The popular Triad TruTray (custom tray material) is no longer available. CR is evaluating similar products currently available to find the best replacement. Currently identified SternTech (SternGold) and MegaTray (various distributors).*

**Proven Products:**

- **Directed Flow Tray (stock)**, 3M
- **Quad-Tray Xtreme (dual-arch)**, Clinician's Choice
- **Triple-Tray (sideless dual-arch) and Triple Tray Anterior (dual-arch, sided)**, Premier Dental

## Impressions: Digital

See also *Clinicians Report* September 2021: “**Accuracy of Digital and Conventional Impressions**”

**Proven Products: Intraoral Scanners**

- **Various models from the following companies:**
  - 3Shape
  - Align Technology
  - Carestream Dental
  - Dentsply Sirona
  - Planmeca

## Inlay, Onlay Restorations

**CR Note:** An onlay covering all cusps is an underutilized restoration that provides strength and conserves tooth structure.

**Proven Products:**

- **CAMouflage NOW (ceramic polymer)**, Glidewell
- **CeraSmart (ceramic polymer)**, GC America
- ★ **Gold, Various (longest lasting)**
- **IPS e.max (lithium disilicate)**, Ivoclar Vivadent
- **Lava Ultimate (ceramic polymer)**, 3M
- **Vita Enamic (ceramic polymer)**, VITA-Zahnfabrik

## Pins

**Proven Products:**

- ★ **Filpin**, Filhol Dental (malleable pure titanium)

## Primers and Cleaners, Indirect Restorations

See also *Clinicians Report* January 2021: “**Zirconia Primers and Cleaners: Are they necessary? If so, when?**”

**CR Note:** The use of sandblasting (*Microetcher IIA by Zest*) remains an effective way to clean full-strength zirconia and provide additional mechanical retention. (*The intaglio of a zirconia crown is milled smooth.*)

**Proven Products: MDP and Silane combined (for glass ceramic, metal, or zirconia)**

- **CLEARFIL CERAMIC PRIMER PLUS**, Kuraray Noritake
- **GC Ceramic Primer II**, GC America
- **Monobond Plus**, Ivoclar Vivadent
- **Premier Universal Primer**, Premier Dental



**Premier Universal Primer (proven product)**, Premier Dental

Primer for zirconia, glass ceramic, metal, and composite is **quick and easy to use**. Chemistry has dual coupling agents: 10-MDP and silane methacrylate.

\$94/5 ml Dropper Bottle (~\$19/ml, \$1.57/Use)

See also *Clinicians Report* January 2021

**Proven Products: MDP (for metal or zirconia)**

- **Peak ZM**, Ultradent
- **Z-Bond**, Zest Dental
- **Z-Prime Plus**, Bisco
- **ZR-P Zirconia Primer**, Vista Apex Dental
- **Zirconia Prime**, DenMat



**Z-Bond (proven product)**, Zest Dental

Single bottle, brush-on primer with **MDP for zirconia and alumina**. Can also improve adhesion to metals. (*Not recommended for lithium disilicate as it does not contain silane.*)

\$95/5 ml Dropper Bottle (~\$19/ml, \$1.58/Use)

See also *Clinicians Report* January 2021

**Proven Products: Silane (for glass ceramic)**

- **Bis-Silane and Porcelain Primer**, Bisco
- **Calibra Silane**, Dentsply Sirona
- **Silane**, Ultradent
- **Vitique Silane**, DMG America

## Provisional Materials

**Proven Products:**

- **Clip Flow**, Voco
- **Inspire**, Clinician's Choice
- **Integrity Multi-Cure**, Dentsply Sirona
- ★ **LuxaCrown and Luxatemp Ultra**, DMG America (most used)
- **Protemp Plus**, 3M

## Attachments and Accessories

### Proven Products:

- **Ball attachments**, Various Companies
- ★ **Locator Implant Attachment**, Zest Dental Solutions (*most used*)
- **ORA Spherical Attachment**, Sterngold
- **ORS**, Implant Direct

## Cements, Implant

**CR Note:** Implant cement is ideal to secure prosthesis to implant and allow removal of prosthesis without damage to prosthesis or implant if re-treatment is required or screw loosens. **It may be placed only on the most apical 2 mm of abutment to allow removal if necessary.**

### Proven Products:

- **Premier Implant Cement**, Premier Dental
- **Retrieve DC Implant Cement**, Parkell

## Crowns, Implant

See also *Clinicians Report* November 2021: “**What are the Best Implant Crown Designs and Products in 2021?**”

**CR Note:** Improve esthetics of your screw-retained implant crowns/prostheses by placing access hole on low-visibility tooth surfaces like lingual surface of anterior teeth. Angle-correcting screwdriver/screw systems are available from the companies listed below.

### Angle-Correcting Screwdriver/Screw Systems:

- BioHorizons
- Nobel Biocare
- Dentsply Sirona
- Straumann
- Implant Direct
- Zimmer Biomet

## Implant Stability and Detection

See also *Clinicians Report* January 2021: “**The Advantages of Using an Implant Stability Tester**”

**CR Note:** Stability testers are helpful adjuncts for clinicians regularly placing or restoring implants. They provide a quantitative assessment to augment qualitative assessments of stability.

### Proven Products:

- **Osstell Beacon and Osstell Idx**, Osstell
- **Penguin RFA**, Aseptico
- **Spotter**, Forum Tech



### AnyCheck, NeoBiotech

Impulse implant stability tester (6 taps). **Simple, no peg required, can be used on healing abutment**, safe with only two taps if low stability detected, and color indicator lights.

\$2,700/Device

See also *Clinicians Report* January 2021



### Osstell Beacon (Proven Product), Osstell

Resonance Frequency Analysis (RFA) implant stability tester. **Extensive research and reliability, easy to position, good access**, color indicator lights, online data portal (Osstell Connect). Requires single-patient-use SmartPegs.

\$2,895/Device

See also *Clinicians Report* January 2021



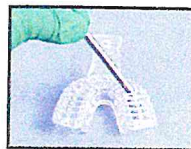
### Penguin RFA (Proven Product), Aseptico

Resonance Frequency Analysis (RFA) implant stability tester. **Lower cost, easy to position, good access**, and readout on both sides of handle. Requires reusable MulTipegs (~20 uses).

\$1,990/Device

See also *Clinicians Report* January 2021

## Impression Trays, Implant



### Knockout Implant Tray, Dentalree

Transparent implant “open impression tray” designed to easily remove area where implant is located. **Pop-out segments for implant sites** make tray easy to customize.

\$1.50/Tray

See also *Clinicians Report* May 2021

## IMPLANTS: SURGERY

### Handpieces, Surgical

#### Proven Products: Surgical Motors

- **Various models from the following companies:**
  - Aseptico
  - W&H
  - Nouvag

### Implants

#### Proven Products: Conventional Diameter Implants

- **Various from the following companies:**
  - BioHorizons
  - Straumann
  - Implant Direct
  - Zimmer Biomet Dental
  - Nobel Biocare

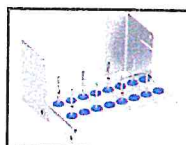
#### Proven Products: Small Diameter Implants

- **Various from the following companies:**
  - Glidewell
  - Norris
  - Intra-Lock
  - Zest Dental Solutions

### Peri-Implantitis Treatments

#### Proven Products:

- **Cavitron Prophy-Jet**, Dentsply Sirona
- ★ **EMS Air-Flow Handy 3.0 with Perio Powder (glycine)**, Hu-Friedy (*safe and effective cleaning*)
- **PROPHYflex 4**, KaVo



### Peri-Implantitis Kit, Komet USA

Kit of surgical burs designed for peri-implantitis treatment. Football (*egg*) and flame shaped tungsten carbide rotary instruments facilitate the gentle removal of contaminated surface structures from titanium implants. **CR Note:** *Small chips of metal debris must be thoroughly removed.*

\$136/Kit of 8 Burs

See also *Clinicians Report* June 2021