

***Product and Technology Integration for the Dental Hygienist  
Buffalo Niagara Dental Meeting***

Kim Miller, RDH, BSDH, RDHMP - [krmjpconsultants@hotmail.com](mailto:krmjpconsultants@hotmail.com)

***Please email me if I can help you with any other documents. Thanks!***

***You can do anything with the right tools!***

***Learn the Art of Prioritization - Discover the Patient's Need***

- Health History / Risk Assessment Screening
- Blood Pressure
- Head & Neck / Oral Cancer Screening
- Restorative / Aesthetic Screening
- Periodontal Screening
- Today's Clinical Procedure

***The AAP Statement on Risk Assessment says...***

"Risk assessment goes beyond the identification of the existence of disease and its severity, and considers factors that may influence future progression of disease."

"Identifying adverse changes in risk factors, which might be suggestive of disease onset or progression, is an important clinical concept." *J Periodontol 2008;79:202.*

**Periodontal Risk Factors**

Top four areas of risk: Diabetes – Smoking - Cardiovascular events / CRP - Pregnancy

**Screening #1 - Health History / Risk Assessment – 3-5 min.**

Changes?

Serious illness, hospitalization or surgery?

Family history: diabetes, heart disease, stroke, high blood pressure?

OTC meds? Prescription meds? Supplements?

Problems with teeth?

**Consider Previser - Risk assessments available:**

Periodontal

Caries

Oral Cancer

■Go To: [www.previser.com](http://www.previser.com) - Download and install the software

■Begin 30 day **FREE** trial (unlimited assessments)

■To schedule an **online demo** (20 mins.), contact Dr. Anthony Stefanou at [tonys@previser.com](mailto:tonys@previser.com) and tell him you learned of this product from Kim Miller of the JP Institute

**CRT – Caries Risk Test by Ivoclar Vivadent**

Measures amount of Strep Mutans colonies after incubation

**Screening #2 - Blood Pressure - <1min**

OMRON Wrist Blood Pressure Cuffs recommended

Keep batteries fresh or readings will be abnormally high.

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**Screening #3 - Head & Neck / Oral Cancer - <3min**

**TMJ**

Muscles	Anterior temporalis(temple area)
Masseters	Posterior temporalis

**Extra Oral Cancer Screening - Lymph nodes**

cheek bones (facial)	collar bone
ear (pre & retro auricular)	sternocleidomastoid muscle
submental & submandibular	occipital
throat / thyroid	

**Visual Intra Oral Cancer Screening - <2min**

Lips & Cheeks & Vestibule areas	Back of throat - tonsils
Tongue and Floor of mouth and glands	Hard and soft palate
	Bony ridge

**Screening #4 - Restorative Screening - <2min**

**Use IOC each patient every appointment**

New... **DIAGNOdent penby** KaVo - Laser Caries Detection Aid - 1-800-323-8029

*High detection accuracy*

*Added mobility*

**Smile Analysis - <2min**

Whitening - Take a shade / hand patient shade guide

“Sue, before we get started today, would you please select the color your teeth are?”

**Check out - Liquid Smile - Easy to Use – [www.liquidsmile.com](http://www.liquidsmile.com)**

**Periodontal Screening & Data Collection #5**

All patients should receive a comprehensive periodontal examination.

*Guidelines for Periodontal Therapy AAP Position Paper 2001*

**Periodontal Data Collection - Screening - <5min**

Spot probe & Tissue Response / Gingival Index

**Gingival Index - Esther Wilkins, BS, RDH, DMD**

“The probe is inserted a few mm subgingivally and moved along the soft tissue wall with light pressure in a circumferential direction. The stroke shown here is in contrast with the walking stroke used for probing depth evaluation and measurement.”

**Comprehensive Periodontal Charting - 7-20 min**

Health History - <i>risk assessment</i>	<i>Missing Teeth</i>
Dental History - <i>previous disease</i>	<i>Condition of restorations</i>
Teeth and Replacements	<i>Caries</i>

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<i>Tooth Mobility</i>	<i>Plaque and Calculus - amount &amp; location</i>
<i>Tooth Position</i>	<i>Periodontal Soft Tissues</i>
<i>Occlusion - look for signs &amp; symptoms</i>	<i>Peri-implant tissues</i>
<i>Signs of para-functional habits</i>	<i>Exudate / PUS</i>
<i>Mouth breathing</i>	<i>Probing Depths</i>
<i>Tongue thrusting</i>	<i>Bleeding on probing (BOP)</i>
<i>Lip / cheek biting</i>	<i>Correct angulation</i>
<i>Radiographs – current standard of care</i>	

**VENGA™ Advanced Office Communication - [www.venga.info](http://www.venga.info)**

**Home Care Devices:**

**Waterpik® Ultra Dental Water Jet™**

**FlexCare ... the Next Generation by Sonicare**

***Oasis Mouthwash & Spray by Sensodyne***

<i>Enamel safe pH</i>	<i>Available in Pharmacies and Food Stores</i>
<i>Sugar &amp; alcohol free</i>	
<i>Non-allergic formula</i>	<i>1-800-652-562</i>
<i>Safe to use with Fluoride products</i>	

***Instrumentation***

***All Wipe Instrument Cleaner***

*Soft foam with grooves / slots trap debris  
Backed with double sided tape sticks anywhere  
1.5" x 1.5" – 50 for \$10.35*

The **ImplantPro line** Use exactly as you would use standard Universal curettes.

<i>Solid (not coated) titanium tips</i>	<i>Economical</i>
<i>Ergonomic</i>	<i>Replacement tips are available</i>
<i>Lightweight, color-coded sure-grip</i>	<i>Effective Design</i>

**Dentsply Professional - New... *Cavitron Plus Scaling System With SPS Technology***

<i>Air Polishing- Jet Plus Combination unit</i>	<i>Rinse Setting</i>
<i>360 degree wireless footswitch</i>	<i>Automated Purge</i>
<i>Illuminated Diagnostic Display</i>	<i>Order from your supplier</i>

**Dentsply SPS Cavitron - Additional Tip Options - Implant Tip**

<i>Efficient – Safe - Gentle</i>	<i>Instrument coating made of high-tech plastic material</i>
<i>Easily debrides implant surface</i>	<i>Fully autoclavable</i>
<i>Comfortable for the patient</i>	<i>Safe for implant or restoration surfaces</i>
<i>Smooth surface coating</i>	
<i>Gentle tip motion</i>	

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***Adjunctive Therapies***

**OraPharma - Arestin™** Minocycline Microspheres

“Minocycline microspheres plus (*periodontal therapy including*) scaling and root planing provided substantially more probing depth reduction than SRP alone...The difference reached statistical significance after the first month and was maintained throughout the 3,6, and 9 month trial.”

*Treatment of Periodontitis by Local Administration of Minocycline Microspheres: A Controlled Trial. Williams, Paquette, Offenbacher, et.al, Journal of Periodontology 2001*

**Arestin™**

User friendly

Bioabsorbable

Efficient

Well tolerated by patient

Clinically effective

Cost effective

No Refrigeration required

Possible Insurance benefits

Dry field not required ☺

***Prophy Paste / Fluoride Varnish / Remineralizing:***

***Waterpik Soft Shine Cosmetic restorative paste***

*Safe for all types of composite, ceramic & porcelain*

*Micron fine white sapphire particles*

**Ivoclar Vivadent Fluor Protector®**

Fluoride varnish containing a formula of 1% difluorsilane / 0.1% fluoride.  
Remains in close contact with enamel for several hours for the release of Calcium Fluoride.

**MI paste – GC America**

Active lesion is progressing towards cavitation (demineralizing).

**“Sensitivity” Blocking Tubules**

**“Improving Saliva” Ion enriched**

**“Polishing Paste”**

Sensitive Cervical Areas

Pediatric Paste w/ Fluoride

**MI Paste**

Application of desensitizing agent

D9910

**Triage**

Application of Sealant

D1351

New... **Biotene Sensitive Toothpaste** - 1-800-922-5856

*Multi protection formula*

*Enzyme LP3 Complex for dry mouth*

*Promotes healing of bleeding gums and irritation*

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**Personal Care**

***Crosstex - Hand Specific Nitrile Gloves***

*Powder free*

*Ergonomic full range of motion*

*Durable & Puncture resistance*

*Correct shape = blood flow = minimize fatigue*

*Exceptional fit and feel – sizes 6-8.5*

***Crosstex - Ultra Sensitive Mask***

*Void of Inks, dyes & chemicals*

*Inner lining won't tear, lint or shred*

*Particle filtration 98% @ .1 microns*

*888-276-7783 call to request samples*

**DentaleZ Group - Chair**

Broad caster base improve stability

Easy height adjustment

Mobility minimizing stressful positions

Adjustable back support 1-866-DTE-INFO (383-4636)

[www.dentalez.com](http://www.dentalez.com)

**LOOPS !**

MUST HAVE – MUST WEAR

Designs for Vision

Peri Optix / Orascoptic

***Additional Testing***

Microbiology & Genetic Testing - Test for specific perio pathogens:

Hain Diagnostic, LLC - (866) 756-4246

Scottsdale, AZ

OralDNA labs - (877)577-9055

Nashville, TN

**Microbiology Testing - The diagnostic test of the new millennium!**

**DNA-PCR:** Polymerase chain reaction (PCR) uses DNA from bacteria to provide information about the pathogenic bacteria found in the oral environment and about the genetic susceptibility traits.

**Oratec - *BANA Test* - Chairside Test for Periodontal Risk & Malodor**

*Inexpensive, easy to use (5min)*

*Highly sensitive for Treponema denticola, Porphyromonas gingivalis and Bacteroides forsythus – (Socransky & Haffajee)*

*Test for Malodor and/or Periodontal Disease*