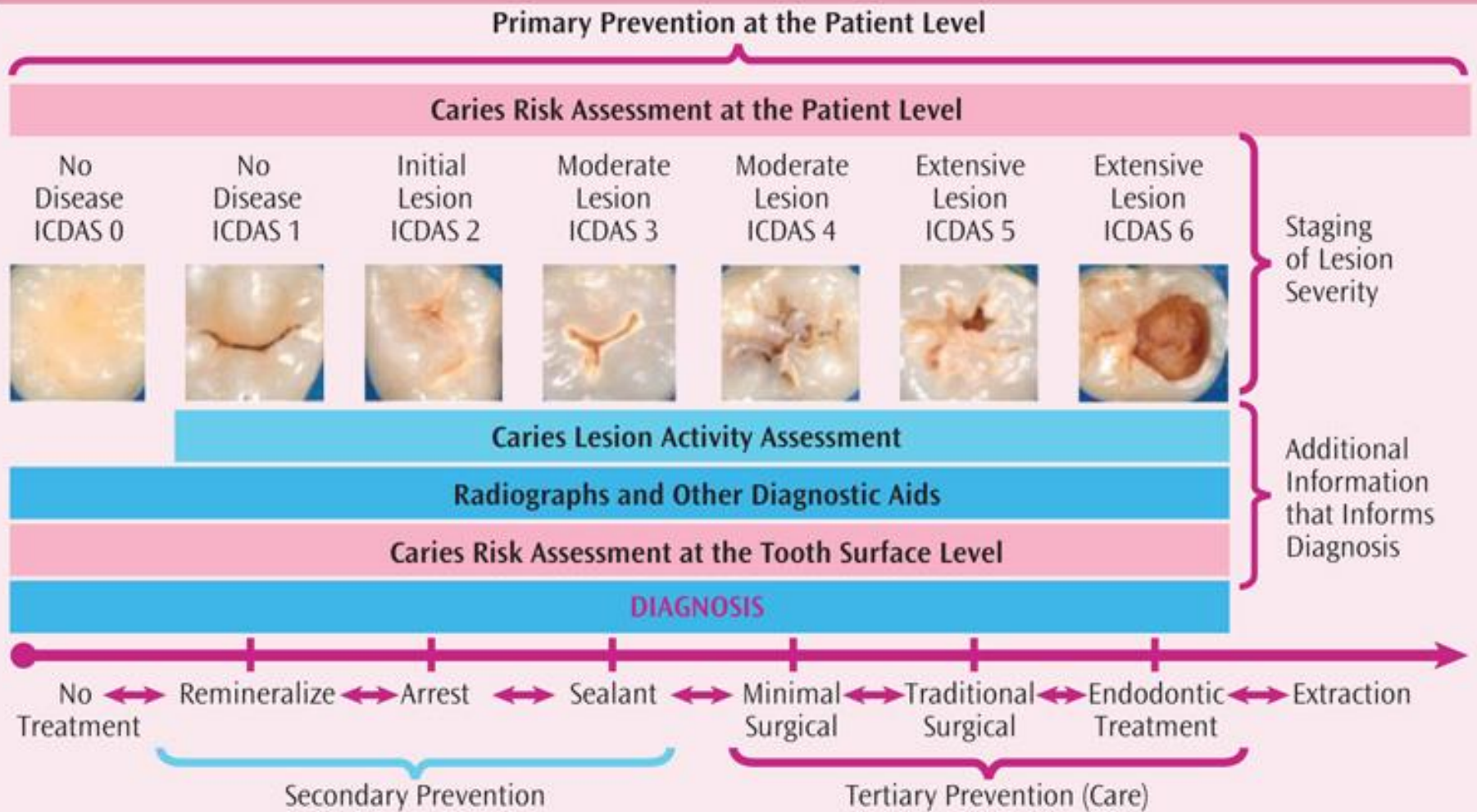


Seminar Worksheet

- Describe how you envision the “dental hygienist” in the year 2027?
- List the skills you believe will be needed to compose this future model?
- Can you currently list **3 or 4** of your greatest skills as an oral healthcare professional?
- Do these skills you list fit the model you envision for the future?
- What do you see as our greatest impediment or obstacle in achieving your vision?


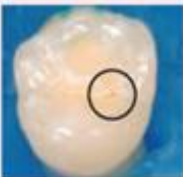








Figure 1. Caries Diagnosis and Management System Continuum as proposed by the International Caries Detection and Assessment System (ICDAS) Committee.



Reprinted with permission from Elsevier: Zero DT, Ferreira Zandona AG, Vail MM, Spolnik KJ. Dental caries and pulpal disease. *Dent Clin North Am.* 2011;55:29-46.

Dimensions of Dental Hygiene, September 2011

Figure 2. Caries detection methods and their abilities to detect lesions on occlusal or proximal surfaces.

International Caries Detection and Assessment System (ICDAS)		0	1	2	3 and 4	5 and 6
						
						
Histology						
Visual Exam		√	√ Occlusal surfaces	√ Occlusal surfaces	√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces
Bitewing X-rays				√ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces
Light-Induced Fluorescence	QLF™ by Inspektor™ Dental Care, FluoreCam™ by Daraza, SOPROLIFE by Acteon Group, Spectra Caries Detection Aid by Air Techniques		√ Occlusal surfaces	√ Occlusal surfaces	√ Occlusal surfaces	√ Occlusal surfaces
Infrared Fluorescence	Midwest Caries I.D.™ by DENTSPLY Professional and DIAGNOdent Caries Detection Aid by KaVo			√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces
Infrared Fluorescence Combined with Photo-Thermal Radiometry	The Canary System™ by Quantum Dental Technologies			√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces
Transillumination	Microlux™ Diagnostic System by AdDent Inc			√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces
AC Impedance Spectroscopy	CarieScan PRO™ by 3D Diagnostic Imaging			√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces	√ Occlusal surfaces √ Proximal surfaces

Technology/ Chemistry	ACP Amorphous Calcium Phosphate <i>ADA licensing</i>	CPP-ACP Casein Phosphopeptide Amorphous Calcium Phosphate <i>(Recaldent®)</i>	CSPS Calcium Sodium Phosphosilicate <i>(Novamin®)</i>	TCP Beta Tri-calcium Phosphate <i>(Functionalized TCP)</i>
Mechanism of Action	Specialized salt compounds No defined structure or crystalline structure Highly reactive	Casein binds to tooth surface until pH is lowered/ acidic challenge frees ions	Silica binds Ca/P until sodium elevates pH to free CA/P ions	Blended beta tricalcium phosphate is insoluble crystalline form
Solubility and Bioavailability	Rapid delivery Highly soluble & Bioavailable Greater Fluor uptake	Becomes soluble only during lowered pH/acidity	Becomes soluble when sodium elevates and buffers pH	Low to moderate rate of solubility
Professional Products	<ul style="list-style-type: none"> • ENAMEL PRO: <ul style="list-style-type: none"> - Prophy paste/formulated to deliver ACP - NaF Varnish & NaF Gel, - Enamelon Preventive Treatment Gel & Toothpaste - BioCoat™ w/SmartCap™ • DAY WHITE™/ NITE WHITE™ & Relief gel /ACP • ARM & HAMMER® Complete Care /ACP Enamel Care / Canada* 	<ul style="list-style-type: none"> • MI PASTE <ul style="list-style-type: none"> MI Paste Plus (fluoride) MI Paste Plus ONE MI NaF Varnish • Tooth Mousse* <i>(International brand MI)</i> 	<ul style="list-style-type: none"> • NUPRO NuSolutions Prophy paste w/ <i>Novamin</i> TOPEX ReNew 	<ul style="list-style-type: none"> VANISH NaF varnish with TCP - CLINPRO 950 - CLINPRO 5000 PREVIDENT Boost 5,000ppm

Generic and Trade Name Medication Dental Watch List

Risk for Stomatitis	Risk for Xerostomia
Risk for Reflux	Risk for Caries

Abilify	Celexa	Exenatide	Itraconazole	Naproxen	Sinequan
Acamprosate	Cetirizine	Famotidine	Ketorolac	Neurontin	Sporanox
Accutane	Chantix	Feldene	Kytril	Nexium	Strattera
Actiq	Chlorpromazine	Felodipine	Lamivudine	Nifedipine	Subutex
Adalat	Cholestyramine	Fentanyl	Lansoprazole	Nitro-Bid	Sulfamethoxazole
Advair	Cialis	Fentanyl (transmucosal)	Levalbuterol	Nitro-Dur	Sulfasalazine
Aldomet	Citalopram	Flexeril	Levbid	Nitroglycerin	Sulfatrim
Alendronate	Clarithromycin	Flonase	Levodopa	Nitrostat	Sumatriptan
Alfuzosin	Claritin	Flovent	Levocarnitine	Nortriptyline	Tacrine
Aliskiren	Clomipramine	Fluoxetine	Levodopa	Oxybutynin	Tadalafil
Alprazolam	Clonidine	Fluticasone	Lexapro	Pamelor	Tegretol
Amitriptyline	Clozapine	Fluvoxamine	Lioresal	Pentasa	Tektura
Anafranil	Clozaril	Fosamax	Lisdexamfetamine	Pepcid	Tenex
Antivert	Cognex	Fosinopril	Lisinopril	Periactin	Thorazine
Aripiprazole	Combivir	Gabapentin	Lithium	Piroxicam	Tofranil
Asacol	Copegus	Gemfibrozil	Locholest	Plaquenil	Toprol
Aspirin	Cozaar	Granisetron	Loperamide	Plendil	Toradol
Atarax	Cyclobenzaprine	Guanfacine	Lopid	Prevacid	Trexall
Atomoxetine	Cymbalta	Haldol	Lopressor	Prevalite	UroXatral
Atrovent	Cyproheptadine	Haloperidol	Lorotidine	Prinivil	Varenicline
Azulfidine	Cytotec	Hydroxychloroquine	Losartan	ProAmatine	Vasotec
Baclofen	Darifenacin	Hydroxyzine	Luvox	Procardia	Versed
Biaxin	Diflunisal	Hyoscyamine	Meclizine	Propranolol	Vistaril
Budesonide	Ditropan	Ibuprofen	Mesalamine	Prozac	Vyvanse
Buprenex	Dolobid	Imipramine	Methotrexate	Pulmicort	Wellbutrin
Buprenorphine	Doxazosin	Imitrex	Methyldopa	Questran	Xanax
Bupropion	Doxepin	Immodium	Metoprolol	Rebetol	Xopenex
Byetta	Duloxetine	Inderal	Midazolam	Remeron	Xyzal
Campral	Duragesic	Indocin	Midodrine	Rhinocort	Zestril
Carbamazepine	Elavil	Indomethacin	Mirtazapine	Ribavarin	Zidovudine
Carbidopa	Enablex	INH	Misoprostol	Risperdal	Zonalon
Cardura	Enalapril	Insulin	Monopril	Risperidone	Zyban
Carnitor	Escitalopram	Ipratropium	Motrin	Rowasa	Zyrtec
Catapress	Eskalith-CR	Isoniazid	Naprelan	Salmeterol	
Ceetirizine	Esomeprazole	Isoretinoin	Naprosyn	Sinemet	

Source: http://aadmd.org/sites/default/files/Medication_Dental_Side_Effect_Watch_List_07-29-10.pdf