

### Traditional Flap Surgical Periodontitis Therapy

### Longevity study (in our office)

- > 20 years, consecutive patients, consistent findings Consistent alternating PMT;

- Daily use of an inter-dental aid
- Daily use of stannous fluoride, or a similar agent
- Gi. <0.4; Pi. < 0.4
- Intact dentition; no pending treatment (supervised neglect)
- No mobility or minimal fremitus occlusal guard, if indicated
- One providing primary care dentist One periodontist
- Patient satisfied with value of care and practice optimism
- No major medical or uncontrolled metabolic diseases





Л

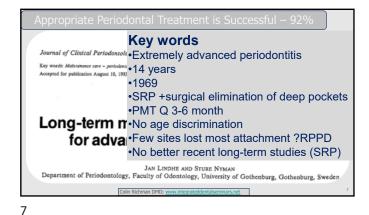
L.D. Pankey
"The goal of my practice is simply
to help my patients retain their
teeth all of their lives if possible.....
in maximum comfort,
function, health and esthetics"

Consequence - enhanced quality of life in the senior years.

Physical, social, emotional – Literature based.

Colin Richman DMD; www.integrateddentalseminars.net





PERIODOTICS
Throw away journals – opinion based.

Antimicrobial Host Response Therapy Periodontics

A Modern Way to Manage Disease



Colin Richman DMD; www.integrateddentalseminars.net

Take Home Message – 4 Themes 'Periodontitis/Peri-implantitis, the Diseases'

Infection - Inflammation
Multi-rooted teeth
Plaque control is essential
Interdental disease

**Note Icon Designations** 

Colin Richman DMD; www.integrateddentalseminars.net

9



### **PROGRAM**

Examination, Diagnosis and Treatment Planning

Therapeutic Considerations

Disease Control

Enhanced Root Surface Debridement (ERSD) and Pocket Reduction Therapy (PRT)

Maintenance Periodontal/Peri-implant Therapy

Discussion

11

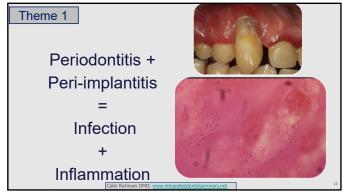
### Gingivitis (mucositis):

Gingival inflammation without alveolar bone loss

Periodontitis (peri-implantitis):

Gingival inflammation with

alveolar bone loss



### Etiology-Disease Defined as an Infection

Bacterial etiology

Immune response

Bacterial products in tissues

Possible invasion of tissues by bacteria

Destruction of tissues

RUBOR (redness) CALOR (heat) DOLOR (pain)

14

In **1683**, Anthony van Leewenhoek noted that although he cleaned his teeth by rubbing them with salt

"Yet notwithstanding, my teeth are not so cleaned thereby, but what there sticketh on growth between some of my front ones and my grinders "A LITTLE Batter". (Plaque)

He collected this 'White Matter', mixed it with rainwater, examined it microscopically and exclaimed

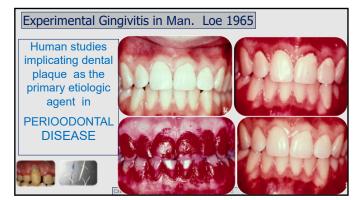
"I then most always saw, with great wonder, that in the said matter there were many "little living animalcules" very prettily moving"

He observed Spirochetes and Motile rods 328 years ago

Ongoing Spirochetal research-2011

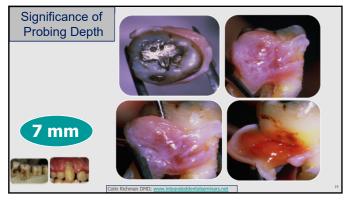


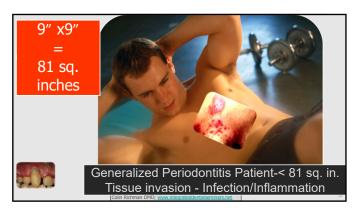




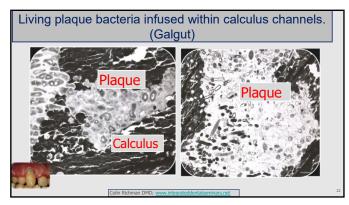
17

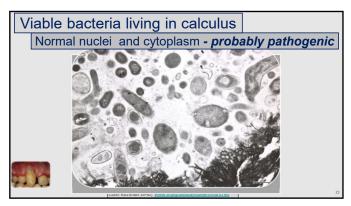
# PUTATIVE BACTERIA. Pathogenic Microbiome. Porphyromonas gingivalis (Pg) Prevotella intermedia (Pi) Actinobacillus actinomycetemcomitans (Aa) Eikenella corrodens Streptococcus intermedius \*Red group of pathogens\* (Socransky) Slots; Antimicrobial therapy in Periodontics. Calif. Dent J., 21:51, 1993









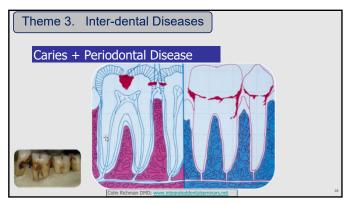


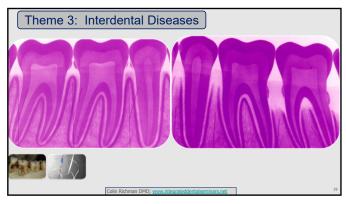


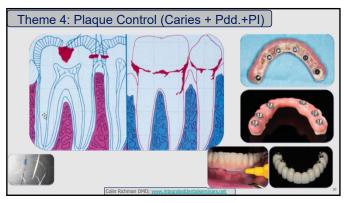












### **PROGRAM**

### Examination, Diagnosis, Treatment Planning

Therapeutic Considerations

Disease Control

Enhanced Root Surface Debridement (ERSD) and Pocket Reduction Therapy (PRT)

Maintenance Periodontal/Peri-implant Therapy Discussion

Colin Richman DMD; www.integrateddentalseminars.net

31

### Insert this narrative into your medical/dental history, Warning Signs of Periodontal Disease (www.perio.org).

Periodontal disease/s are often silent, meaning symptoms may not appear until the disease has progressed to advanced stages.

Red, swollen, or tender gums or other pain in your mouth

- 2. Bleeding while brushing, flossing, or eating hard food
- 3 Gums that are receding or pulling away from the teeth, causing teeth to look longer than before
- Loose or separating teeth
- 5. Sores in your mouth
- Persistent bad breath
- A change in the way your teeth or appliances fit together when you bite
- Share with physician colleagues

Colin Richman DMD; www.integrateddentalseminars.net

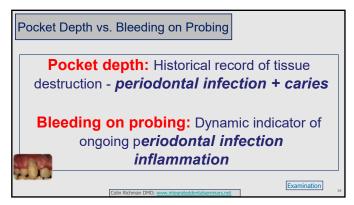
Examination

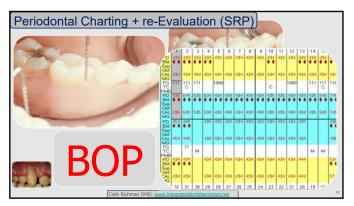
32

### Biologically Driven Comprehensive/Interdisciplinary Dental Care includes DATA -Examination, Diagnosis, Etiology, Treatment Planning Biology, include Perio., Endo, mucosal, etc. Structural - Teeth Myo-functional - Components working in harmony Esthetic

Kois, Spear, Levine.

olin Richman DMD; www.integrateddentalseminars.net

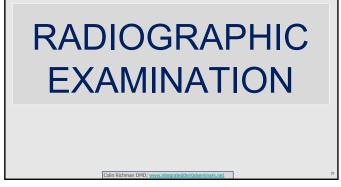




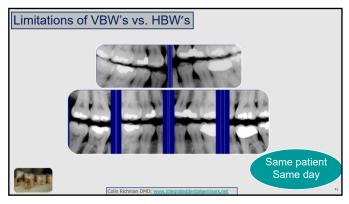


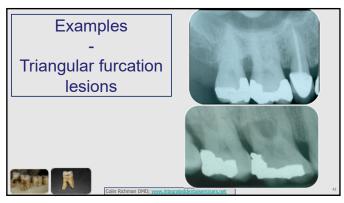


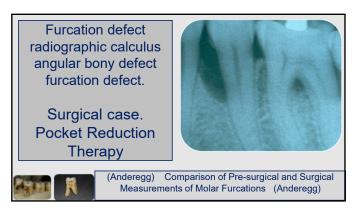
### 1.Norwegian, males, 50-year study 2.Constant BoP. – 70% more attachment loss than healthy sites 3.No BoP. long-term 99.9% survival over 50 years 4.Long term GI > 2, 63.4% survival rate over 50 years.









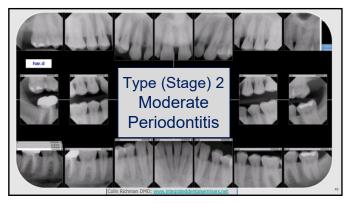




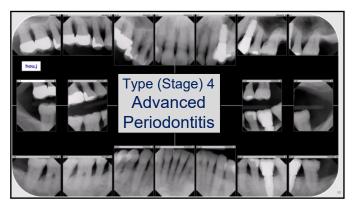




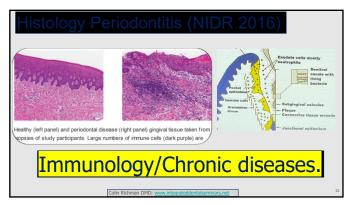


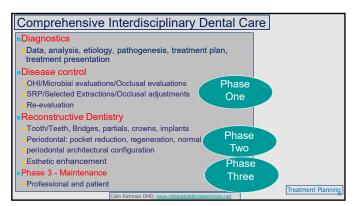




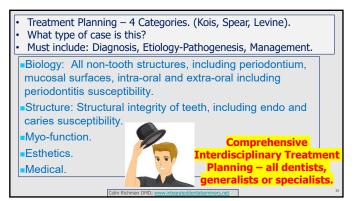


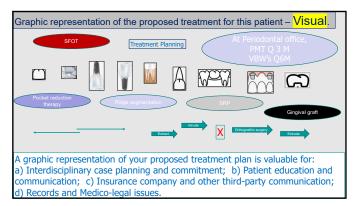


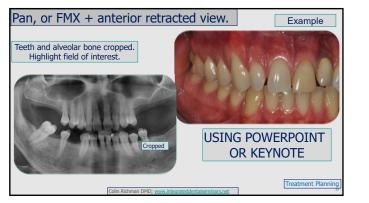




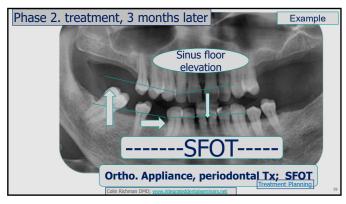
Saving Teeth	Replacement implants.			
History of Periodontitis	Highly caries susceptible	Stan	- Sulcus - Sulcular (previoular) spithelium	an
Proprioception, retention of some teeth	Crown, endo, FCL with bone removal	Management	Junctional epithelium Connective tissue Cementum	Mercan
Maintaining vertical dimension	Tooth is a liability to a comprehensive reconstruction with DI.	THE COLUMN TWO	Bone	Museum

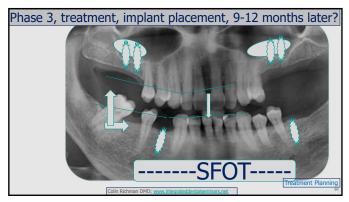


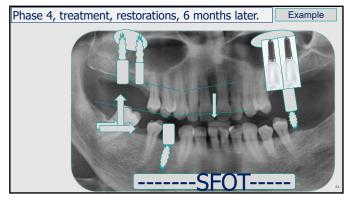


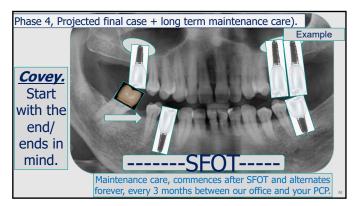












62

# Eliminate the (biologic) ETIOLOGY Plaque Calculus Occlusal disharmonies Occlusal instabilities Local factors Treatment Planning (Colin Richman DMD): www.lintegrateddentalseminars.net



**Fundamentals** 

Examination, Diagnosis and Treatment Planning

**Therapeutic Considerations:** 

**Disease Control** 

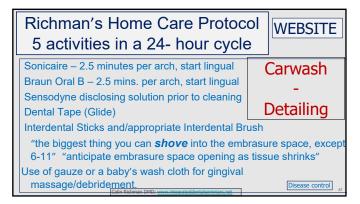
Root surface debridement.

Enhanced Root Surface Debridement (ERSD) + Pocket Reduction Therapy (PRT)

Maintenance Periodontal Therapy

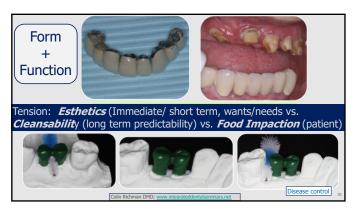
Discussion





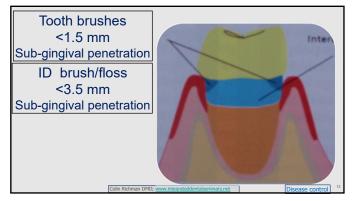


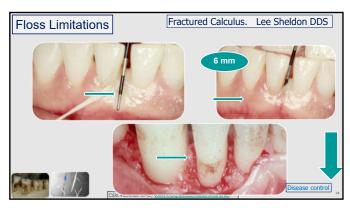










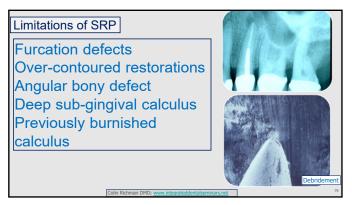








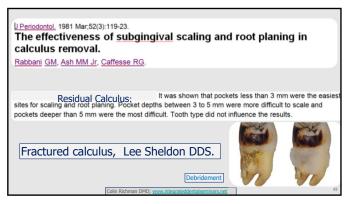




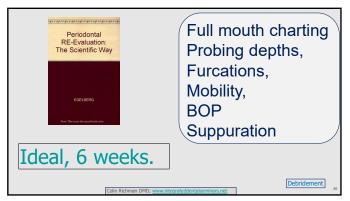












### With appropriate treatment anticipate

Decreased inflammation pain, tenderness, swelling,

Less mobility

Elimination of halitosis

**Enhanced esthetics** 

Enhanced dental longevity/predictability

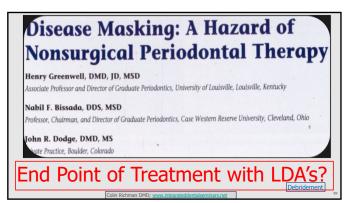
Colin Richman DMD; www.integrateddentalseminars.net

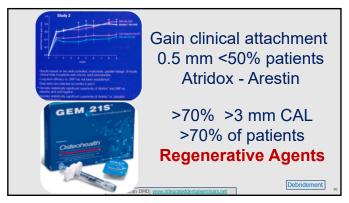
Debride

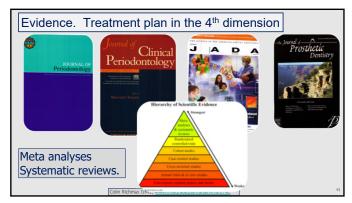
86

# Pockets 4-6 mm – 1 mm reduction Pockets 7-12 mm – 2 mm reduction 50% due to resolution of gingival edema + marginal recession 50% due to gain of soft tissue attachment apex of the pocket (Short Term Effects of Initial Periodontal Therapy – Hammerlee (91); Ramfjord (80, 91) Cobb Lit review 2002, 4-6mm pockets -1.3mm -1mm greater for >7mm PD (Colin Richman DMC); www.integrated/diretalerminars.net Debridement







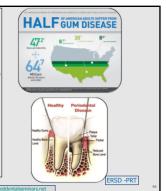




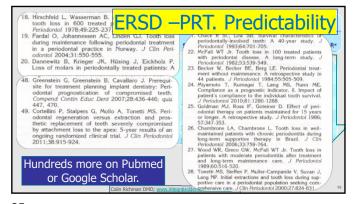
92

### Fundamentals Examination, Diagnosis and Treatment Planning Therapeutic Considerations Disease Control Enhanced Root Surface Debridement (ERSD) and Pocket Reduction Therapy (PRT) Maintenance Periodontal Therapy Discussion

Type (Grade) 3 and 4 cases, the majority of time, require advanced periodontal care, beyond Scaling and Root Planning.
 Objectives, ERSD, PRT



94



95

An Evidenced-Based Scoring Index to Determine the Pe|riodontal Prognosis on Molars

Preston D. Miller Jr.\* Mark L. McEntire,\* Nicode M. Marlow,¹ and Robert G. Gellin\*

816 Molars, first/second
102 patients
Moderate to severe periodontitis

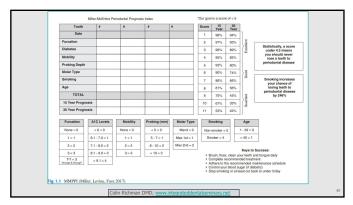
Age/Smoking/Mobility/A1C

Furcation/Molar type/PD

15 – 40 years

J Perio. Feb. 2014; Vol. 85; No2, 214-225

[Colin Richman DMD; www.integrateddentalseminars.net]



survival rates ranged from 98% to 96%.

middle scores (scores 4-6), the 15-year survival rates ranged from 95% to 90%, and, for molars with higher scores (scores

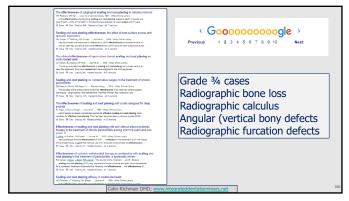
7-10), the survival rates ranged from 86% to 67%.

An Evidenced-Based Scoring Index to Determine the Periodontal Prognosis on Molars

Preston D. Miller Jr.,\* Mark L. McEntire,\* Nicole M. Marlow,† and Robert G. Gellin\*

Colin Richman DMD; www.integrateddentalseminars.net





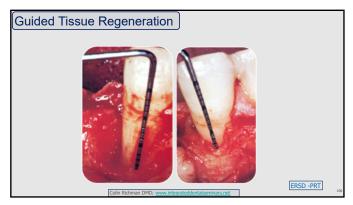


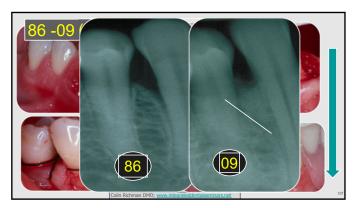










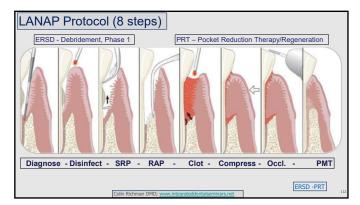




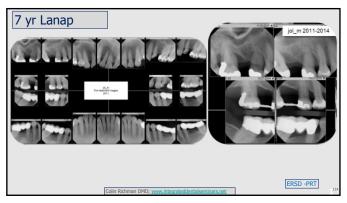


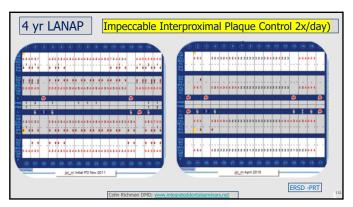


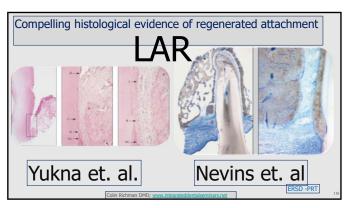


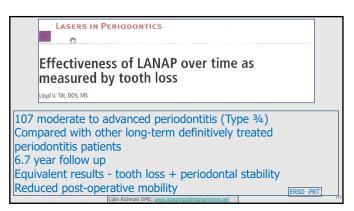






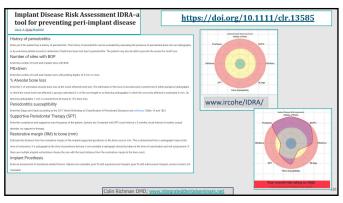




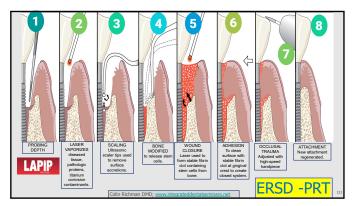




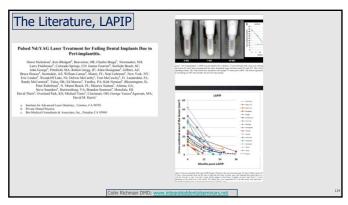
## Relative to Dental Implants.

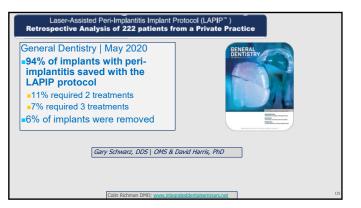


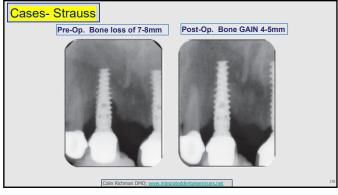








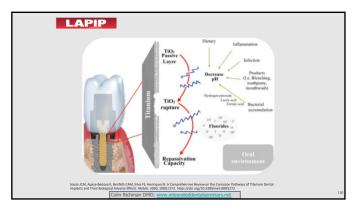










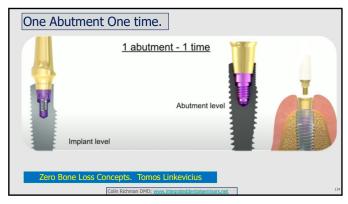




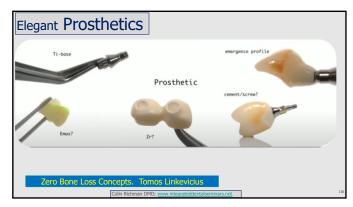
131

Esthetics vs. Cleansability
Costs and time and frustration of implant complications
Frustration, patient disposition
Interdisciplinary treatment planning
Experience and surgical training
Quality and long-term components









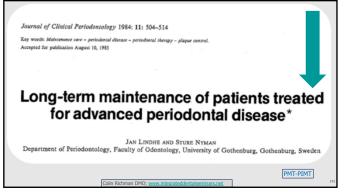


137

## Fundamentals Examination, Diagnosis and Treatment Planning Therapeutic Considerations Disease Control Enhanced Root Surface Debridement (ERSD) and Pocket Reduction Therapy (PRT) Maintenance Periodontal Therapy Discussion







## **Key words:**

- •Extremely advanced periodontal disease
- •14 years
- •1969 no regenerative technologies
- •SRP +surgical elimination of pathological pockets

## •PMT every 3-6 month

- •No age discrimination for success
- •Few sites lost most attachment
- •16 teeth lost in 7 patients (61 treated)

(or treated)

Contractinal DPD, www.ii

142



143

Long-term *implant* prognosis in patients with/without a history of chronic periodontitis, 10-year prospective study

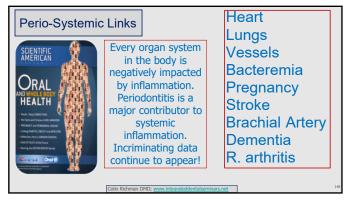
History of periodontal disease
With/without smoking
>risk of biological complications
Lower survival rates with implants

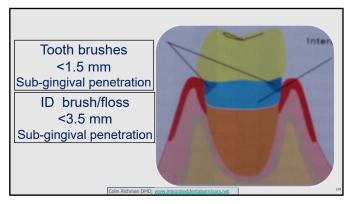
PMT Essential

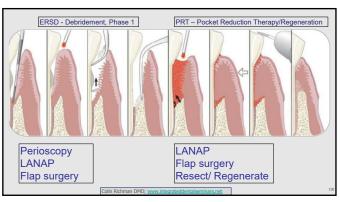
Stage 1. Early Gingivitis, and localized Early Periodontitis	Grade 1.  Early to moderate risk, good prognosis predicted for all teeth	OHI, OEA, SRP, Re-eval.
Stage 2. Moderate  Localized or Generalized  Early to moderate Periodontitis.  Dentition mostly intact	Grade 2.  Moderate risk, good prognosis predicted for most teeth	OHI, OEA, SRP. Possible Localized PRT and/or Localized LANAP/GTR.
Stage 3. Severe Localized or Generalized Moderate to severe Periodontitis. Dentition mostly intact	Grade 3.  High risk. Prognosis may be guarded to poor for some teeth.	OHI, OEA, SRP, Re-eval, PRT, LANAP, GTR
Stage 4. Advanced  Localized or Generalized  Includes missing teeth and at risk		OHI, OEA, SRP, Re-eval, PRT, LANAP, GTR



Take Home Message – 4 Themes 'Periodontitis, the Disease'				
Infection - Inflammation				
Multi-rooted teeth				
Plaque control is essential 💹				
Interdental disease 🔤				
Colin Richman DMD; www.integrateddentalseminars.net	147			









(8. Hirschfeld L. Wasserman B. A long-term survey of tooth loss in 600 treated periodontal patients. J. Periodontol 1978.49:225-237.

19. Fardal O, Johannessen AC, Linden GJ. Tooth loss during maintenance following periodontal treatment in a periodontal protection in Oracle J. J. Clin Periodontol 2004;31:590-595.

20. Dannewitz B, Krieger JK, Hüsing J, Eickholz P, Loss of molars in periodontally treated patients: A loss of molars in periodontal prognostication of compromised technological prognostication of compromised prognostication of compromised prognostication of compromised technological prognostication of compromised prognostication of com

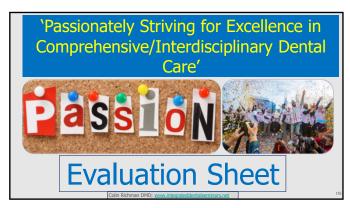


Perio- Plastic Surgery Surgically Facilited Orthodontic Treatment (SFOT) Etc. Etc.



Colin Richman DMD; www.integrateddentalseminars.net

154





	, i	
	· ·	
Colin Richman DMD; www.integrateddentalseminars.net	157	
and the state of t		