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TREATMENT PHASES OF THE COMPREHENSIVE PERIODONTAL THERAPY

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AIM OF PERIODONTAL TREATMENT

- 1) Pocket elimination, establishing **stable periodontium**, cleansable surfaces that the patient can clean for long term
- 2) Foster the **regeneration** of the lost periodontal attachment apparatus - if feasible

TREATMENT PHASES OF COMPREHENSIVE PERIODONTAL THERAPY

1. BPE index *Systemic / Acute*
2. Treatment of MH and acut lesions (e.g. abscess, NUG/NUP)
3. Full perio chart: PPD, REC, CAL, FMPS, FMBS, furcation (I-III), mob (1-3) *Initial*
4. Tooth by tooth prognosis (secure, doubtful, hopeless)
5. Case presentation, consequences of no treatment
6. Oral hygiene instructions, smoking cessation counseling
7. Root surface debridement, elimination of plaque retentive factors, temporary splinting, fluoride application, monitoring/improving OH
8. Re-assessment at 6-8 weeks (full perio chart), Corrective Tx plan
9. Periodontal surgeries (PPD≥5mm) *Corrective*
10. Re-assessment (perio chart PPD should be ≤4mm)
11. Definitive prosthetic, implant, ortho Tx
12. Periodontal supportive care (risk analysis) *Supportive*

DIAGNOSIS

Probing pocket depth (PPD)

Average: 1.5 mm, but physiological upto 3 mm

Over 4 mm PPD stable periodontium may not be maintained by merely self performed OH. Therefore it may be considered as pathologic depth.

Periodontal assessment

Gingival recession (REC):
CEJ-gingival margin

Probing pocket depth (PPD):
gingival margin- pocket base

Clinical attachment level (CAL): CEJ-pocket base

CAL = REC + PPD

Parodontológia korszerűen

PERIODONTAL INDICES

- **BPE** (Basic Periodontal Examination) (BSP)
- **CPITN** (Community Periodontal Index of Treatment Needs) (Ainamo et al. 1982)
- **PSR** (Periodontal Screening and Registration) (AAP)
- Scoring codes: 0-4


WHO probe

<http://www.bsperio.org.uk/members/BPE2011.pdf>

Current guidelines for complex treatment of patients with periodontal disease

BPE - 0


Score	PPD	Symptoms	Treatment
0	<3.5mm	Healthy, plaque-free periodontium, no bleeding on probing	Confirm oral hygiene



Current guidelines for complex treatment of patients with periodontal disease

BPE - 1


Score	PPD	Symptoms	Treatment
1	<3.5mm	Plaque, bleeding on probing, no calculus, no plaque retentive factors	Oral hygiene instructions, plaque ???



Current guidelines for complex treatment of patients with periodontal disease

BPE - 2


Score	PPD	Symptoms	Treatment
2	<3.5 mm	Plaque, bleeding on probing, calculus, plaque retentive factors	Oral hygiene instructions, plaque staining, ultrasonic scaling, polishing



Current guidelines for complex treatment of patients with periodontal disease

BPE - 3

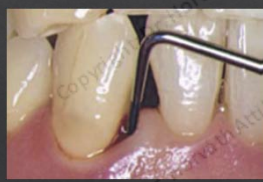
Score	PPD	Symptoms	Treatment
3	>3,5mm <5.5 mm	Plaque, bleeding on probing, calculus, plaque retentive factors	Oral hygiene instructions, plaque staining, ultrasonic scaling and root surface debridement



Current guidelines for complex treatment of patients with periodontal disease

BPE - 4

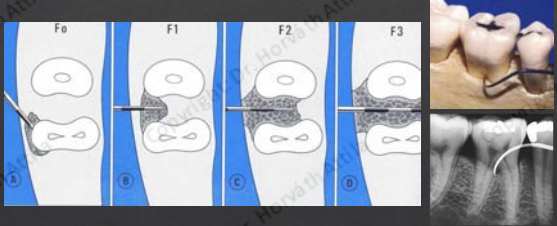
Score	PPD	Symptoms	Treatment
4	> 5.5 mm	Plaque, bleeding on probing, calculus, plaque retentive factors	Oral hygiene instructions, plaque staining, ultrasonic scaling and root surface debridement Complex periodontal treatment



Current guidelines for complex treatment of patients with periodontal disease

BPE - *

Sign	PPD	Symptoms	Treatment
*		Furcation involvement	Complex periodontal treatment



Current guidelines for complex treatment of patients with periodontal disease

BPE

Register the highest score in each sextant.

PI:

4	3	3*
-	2	4*

Dg.: Periodontitis
(chronic/agressiv, generalised/localized, mild/moderate/severe)

Current guidelines for complex treatment of patients with periodontal disease

TREATMENT PHASES

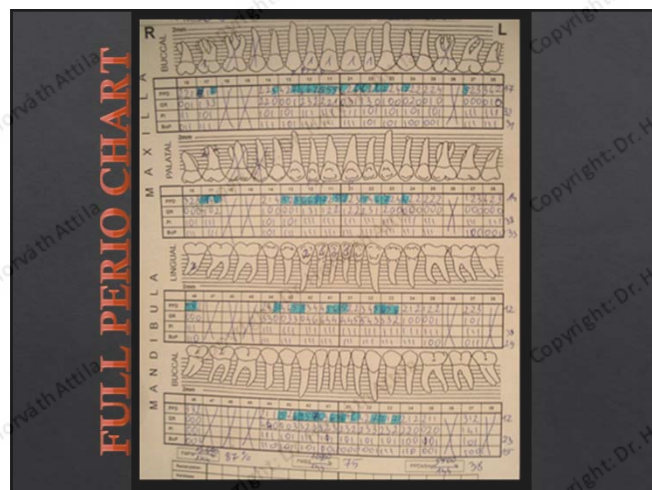
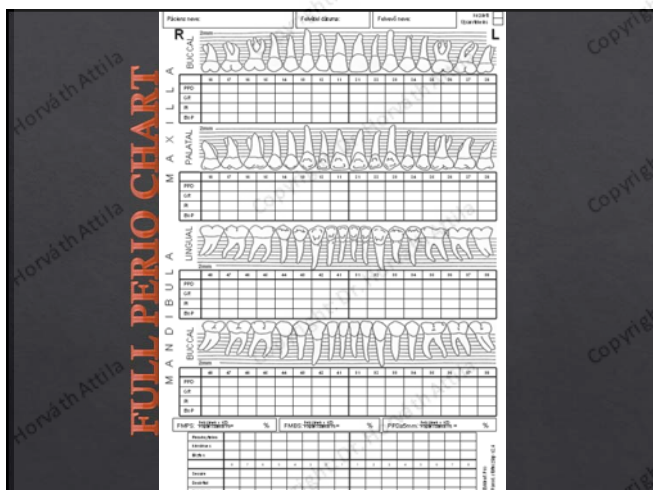
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INITIAL / CAUSE RELATED THERAPY / HYGIENIC PHASE


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TOOLS AIMED AT DIAGNOSE

PERIODONTAL PROBES




- Williams
- Nabers (furcation)
- WHO
- UNC 15
- UNC 12
- Millimetre
- Pressure sensitive
- Florida probe



Current guidelines for complex treatment of patients with periodontal disease

TOOLS AIMED AT DIAGNOSE

PERIODONTAL PROBE UNC15

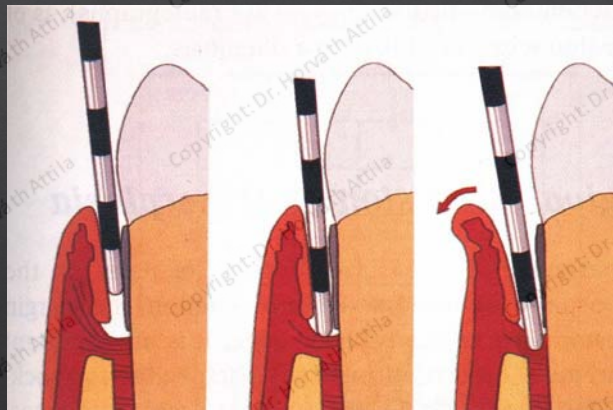
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TECHNIQUE OF PERIODONTAL PROBING


- Modified pen grasp
- Walked around the teeth parallel with the root surface
- Measure at 6 points of each tooth
- Light probing force (25g)

WHICH FACTORS DO INFLUENCE THE PROBING ?

THE FORCE OF THE PROBING



CALCULUS, PLAQUE RETENTIVE FACTORS



TREATMENT PHASES

OF COMPREHENSIVE PERIODONTAL THERAPY

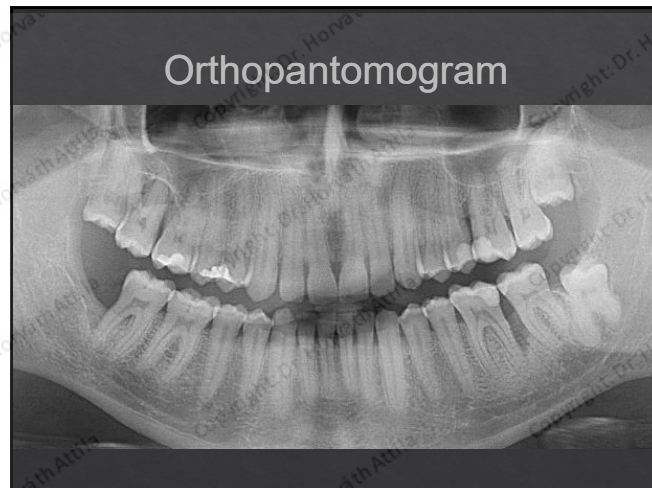
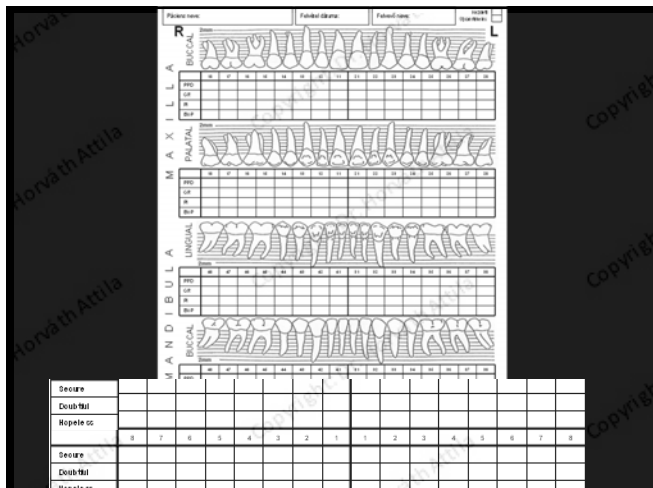
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Systemic / Acute

Initial

Corrective

Supportive



PERIODONTAL ASSESSMENT

- ◇ FMPS: **51 %**
- ◇ FMBS: **62 %**
- ◇ PPD ≥ 5mm: **46 %**

DIAGNOSIS, PROGNOSIS

- ◇ Diagnosis: Periodontitis chronica
- ◇ Prognosis:

hopeless																			
doubtful	X	X	X	X												X	X	X	X
stable					X	X	X	X	X	X	X	X							
	8	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8			
stable				X	X	X	X	X	X	X	X	X	X						
doubtful	X	X															X	X	
hopeless																			

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Systemic / Acute

Initial

Corrective

Supportive



PERFECT PREVENTION

• Clean the sulcus





• Clean the interdental spaces





Dr. Tihanyi Dóra & Dr. Kovács Lilla

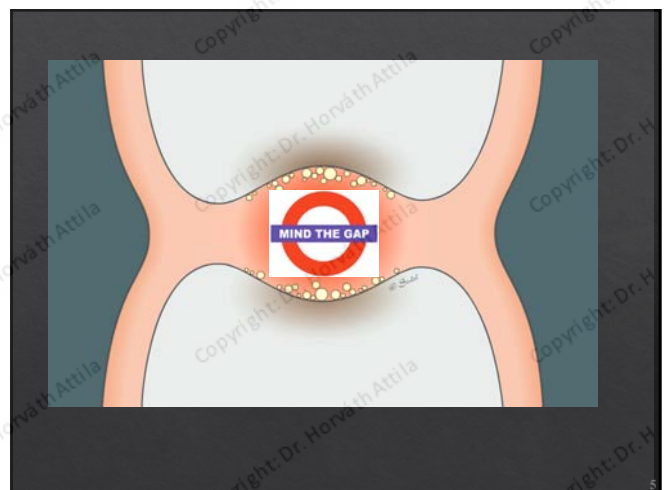
CLEAN THE SULCUS

- Clean the sulcus: (Bass 1948)
- Vibration technique (Charters 1948)
- Roll technique (Riethe 1970)
- Modified Stilmann's technique
- Modified Bass technique**
- Horizontal technique
- Charter's technique (1922)
- Vibration technique (Stilmann 1932)
- Circular technique (Fones 1934)
- Vertical technique (Leonard 1939)
- „Scrubbing method“

Dr. Tihanyi Dóra & Dr. Kovács Lilla
J. Lindhe, Clinical Periodontology and Implant Dentistry



IMPROVING ORAL HYGIENE

INTERDENTAL BRUSHES



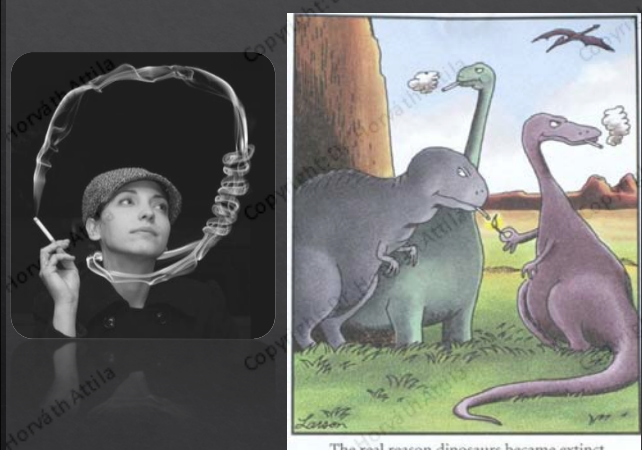
Current guidelines for complex treatment of patients with periodontal disease

IMPROVING ORAL HYGIENE

INTERDENTAL BRUSHES



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The real reason dinosaurs became extinct

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Systemic / Acute
Initial
Corrective
Supportive



ROOT SURFACE DEBRIDEMENT

GRACEY CURETTE SET



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TREATMENT PHASES



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FULL PERIO CHART

Patient name:	Referral date:	Referral name:	Referral:
MAXILLA			
BUCCAL			
1	2	3	4
5	6	7	8
9	10	11	12
PALATAL			
13	14	15	16
17	18	19	20
21	22	23	24
MANDIBULA			
BUCCAL			
25	26	27	28
29	30	31	32
33	34	35	36
PALATAL			
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
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177	178	179	180
181	182	183	184
185	186	187	188
189	190	191	192
193	194	195	196
197	198	199	200

Treatment phases



of comprehensive periodontal therapy

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12. **Periodontal supportive care (risk analysis)** Supportive

PERIODONTAL SUPPORTIVE CARE

Concept of recall:

- **Successfull** complex periodontal treatment
- Adequate individual *motivation* and *oral hygiene*
- Regular professional mechanical cleaning in *every 2-12 months* depending on the clinical case, risk factors, individual oral hygiene and manuality
- **Motivation and instruction every time!**

PERIODONTAL SUPPORTIVE CARE

RISK ANALYSIS (LANG & TONETTI 2003)

Low risk patient
Control in every 6 months

High risk patient
Control in every 2-3 months

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Case presentation

(1.)

- 34 years old female patient
- Diabetes (borderline)
- Non smoker
- Medically fit&clear
- Bleeding upon brushing
- Some teeth are mobile
- Stress level (3/10)
- No confirmed family background
- Uses electric brush only
- Occasionally mouthrinses

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