

The background features large, abstract, overlapping shapes in teal and red. A large teal shape is on the left, and a large red shape is on the right. They overlap in the center, creating a white space where the text is located.

# CASE PRESENTATION

Jiratthitikarn Innupat 583130044-9

Biographical data  
History taking  
Personal history

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Oral examination  
Periodontal chart

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Prognosis  
Diagnosis

3

Problem list  
Treatment plan

4

# OUTLINE



1

Biographical data

History taking

Personal history

# Biographical data

- ผู้ป่วยชายไทย อายุ 56 ปี
- อาชีพ ธุรกิจส่วนตัว
- สถานภาพ สมรส
- ภูมิลำเนา ขอนแก่น
- สิทธิ บัตรทอง sw.ศูนย์ฯขอนแก่น

Periodontal examination: 19 July 2019

# History taking

# Chief complaint

“รู้สึกแสบอกด้านขวาบน  
บวม และปวดตอนเคี้ยวมา  
1 เดือนแล้ว”



## Present illness:

ผู้ป่วยมีอาการมาประมาณ 1 เดือน โดยรู้สึกเหงือกบวม  
อาทิตยละ 1 ครั้ง ครั้งละ 3 วัน ไม่ได้ทำการรักษาใดๆ



## Past medical history:

Hypertension, Dyslipidemia รักษาโดยการรับประทานยา



## Past Dental History:

อุดฟัน



## Family history:

คุณพ่อเป็นมะเร็งปอด



## Personal History:

แปรงฟันวันละ 1 ครั้งตอนเช้า ชอบใช้แปรงสีฟันขน  
ค่อนข้างแข็ง ยาสีฟันมีฟลูออไรด์ ไม่ใช้อุปกรณ์เสริมใน  
การทำความสะอาดช่องปาก เมื่อก่อนชอบเคี้ยวอาหาร  
แข็ง เช่น เม็ดมะขาม แต่ปัจจุบันเลิกแล้ว เป็นคนเคี้ยว  
หนัก





2

**Oral examination**  
Periodontal chart

# Intraoral examination

» Generalized attrition

» Diastema ~ 1 mm.

» 31 41 TV

» 26 crown fracture with dental caries  
exposed pulp, + to percussion

» 27 crown fracture involve dentine



# Periodontal status

Gingiva is slightly red , round margin , edematous IDP , bleeding on probing. Having localized pocket formation and furcation involvement .No tooth mobility, Having severe supragingival plaque and calculus deposit

# Intraoral examination



Initial plaque  
index score



Initial gingival  
bleeding index score

49.21%

# Etiologic factors



Dental plaque: severe



Smoking



Diabetes Mellitus

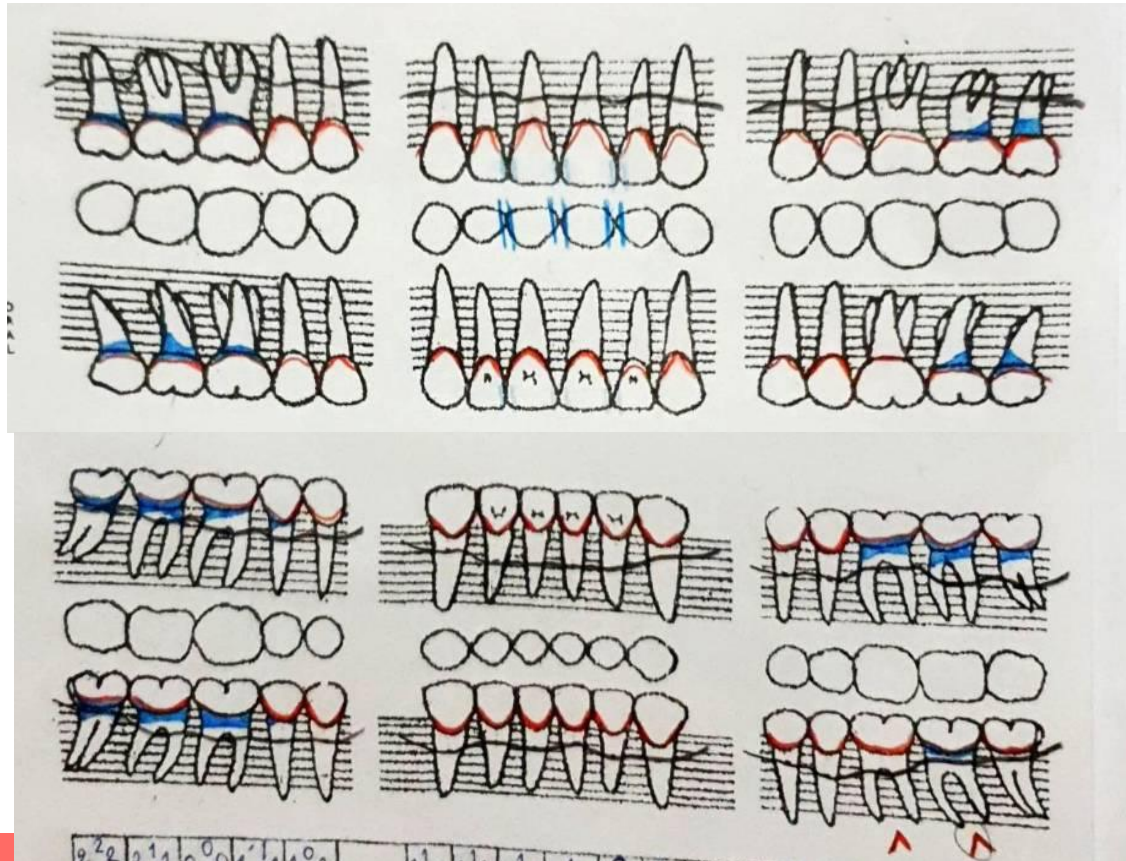
# Modifying factors

## Local factors:

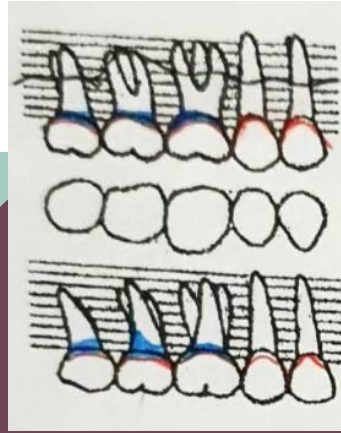
- ✔ Dental calculus: severe
- ✔ Malposed teeth: 31 41 TV

✘ Systemic factors:  
None

# Periodontal chart



# Maxillary right posterior teeth



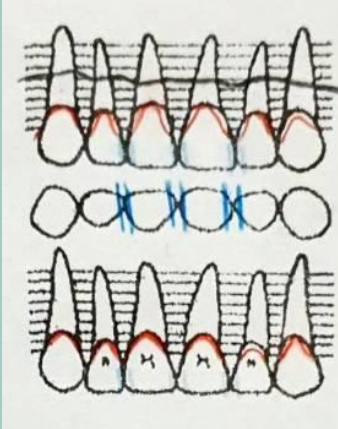
Tooth	% Bone left		Crestal lamina dura	lamina dura	PDL Space	Furcation involvement
	M	D				
18	-	80	Absent	Intact	Normal	None
17	70	80	Absent	Intact	Normal	None
16	80	70	Absent	Intact	Normal	None

B	18	17	16	15	14
KG	8	12	10	8	8
BOP		+++	+++	+++	
CAL	1 1 2	2 2 2	2 2 1	2 1 2	2 1 2
PD	3 3 4	3 3 4	4 4 3	3 2 3	3 2 3
GM	2 2 2	1 1 2	2 2 2	1 1 1	1 1 1

Pa	18	17	16	15	14
GM	2 2 2	2 3 2	2 1 2	2 2 2	2 1 2
PD	3 4 4	6 4 4	4 4 3	3 3 3	3 2 3
CAL	1 2 2	4 1 2	2 3 1	1 1 1	1 1 1
BOP	+++	+++	+++	++	+ +



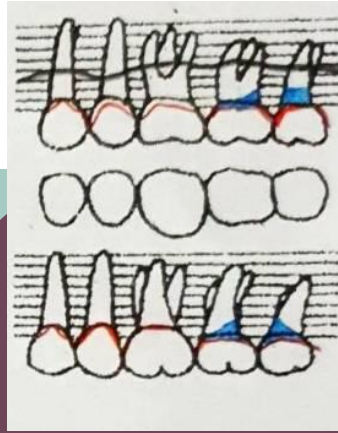
# Maxillary anterior teeth



B	13	12	11	21	22	23
KG	8	7	6	6	7	7
BOP	+	++	+	+		+
CAL	2 1 2	1 1 1	1 1 1	1 1 1	1 2 2	1 0 1
PD	3 2 3	3 2 3	3 2 3	3 2 3	3 2 3	3 2 3
GM	1 1 1	2 1 2	2 1 2	2 1 2	2 0 1	2 2 2

Pa	13	12	11	21	22	23
GM	1 1 1	1 1 1	1 1 1	1 1 1	2 2 2	2 1 2
PD	2 2 3	2 2 3	3 2 3	3 2 3	3 2 3	3 2 3
CAL	1 1 2	1 1 2	2 1 2	2 1 2	1 0 1	1 1 1
BOP	+++	++	+	+	+++	+++

# Maxillary left posterior teeth

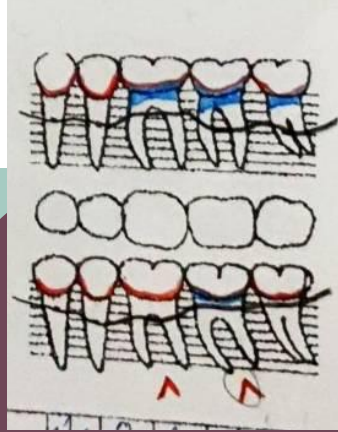


Tooth	% Bone left		Crestal lamina dura	lamina dura	PDL Space	Furcation involvement
	M	D				
28	70	80	Absent	Intact	Normal	None
27	80	70	Absent	Intact	Normal	None
26	80	90	Absent	not Intact	Widening PDL space with rarified lesion at periapical area	None

B	24	25	26	27	28
KG	7	7	8	8	8
BOP				+++	
CAL	1 1 1	1 0 1	0 1 1	2 1 3	3 2 3
PD	3 2 3	3 2 3	2 3 3	3 3 4	4 3 3
GM	2 1 2	2 2 2	2 2 2	1 2 1	1 1 0

Pa	24	25	26	27	28
GM	2 1 2	1 0 1	0 1 1	2 1 3	3 2 3
PD	2 2 2	2 2 3	3 2 3	2 4 5	5 4 4
CAL	0 1 0	1 2 2	3 2 3	1 2 3	3 2 2
BOP	+++	+		+++	+++

# Mandibular left posterior teeth

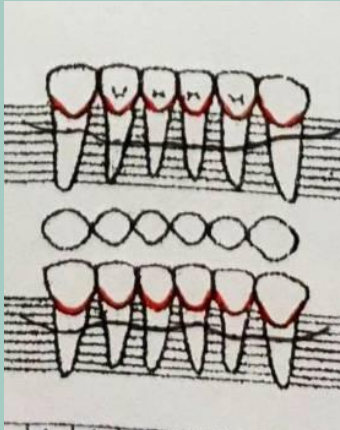


Tooth	% Bone left		Crestal lamina dura	lamina dura	PDL Space	Furcation involvement
	M	D				
36	80	70	Absent	Intact	Normal	BF1
37	80	70	Absent	Intact	Normal	BF1
38	90	90	Absent	Intact	Normal	None

Li	34	35	36	37	38
KG	6	7	7	10	9
BOP		+	+	+++	+++
CAL	2 1 2	2 1 2	3 2 2	3 3 3	3 2 2
PD	3 2 3	3 2 3	5 4 5	6 5 6	5 3 4
GM	1 1 1	1 1 1	2 2 3	3 2 3	2 1 2

B	34	35	36	37	38
GM	1 1 1	1 0 1	1 1 1	2 1 2	0 0 1
PD	2 2 3	2 2 3	3 3 3	3 3 4	3 2 2
CAL	1 1 2	1 2 2	2 2 2	1 2 2	3 1 1
BOP			+	+	
KG	5	6	6	3	3

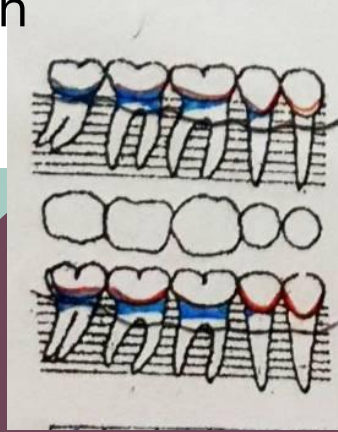
## Mandibular anterior teeth



Li	43	42	41	31	32	33
KG	3	7	7	7	7	3
BOP						
CAL	2 2 2	2 2 2	1 2 1	1 0 1	1 0 1	2 2 2
PD	3 2 3	3 2 3	2 2 2	2 1 2	2 1 2	3 2 3
GM	1 0 1	1 0 1	1 0 1	1 0 1	1 0 1	1 0 1

B	43	42	41	31	32	33
GM	1 1 1	1 1 1	1 1 1	1 1 1	1 0 1	1 0 1
PD	3 2 3	3 2 3	3 1 2	2 2 3	2 1 3	3 2 3
CAL	2 1 2	2 1 2	2 0 1	1 1 2	1 1 2	2 2 2
BOP	+	+				
KG	7	6	5	5	6	5

# Mandibular right posterior teeth



Tooth	% Bone left		Crestal lamina dura	lamina dura	PDL Space	Furcation involvement
	M	D				
46	80	70	Absent	Intact	Normal	None
47	80	70	Absent	Intact	Normal	None
48	85	100	Absent	Intact	Normal	None

Li	48	47	46	45	44
KG	3	3	7	5	5
BOP	+++	++	+++		
CAL	2 2 2	3 2 4	3 2 1	2 1 1	1 0 0
PD	4 4 5	5 4 6	5 4 3	4 2 2	3 2 2
GM	2 2 3	2 2 2	2 2 2	2 1 1	2 2 2

B	48	47	46	45	44
GM	2 2 2	2 1 1	0 0 0	1 1 1	1 0 1
PD	5 4 5	5 4 4	4 4 4	4 2 3	3 2 3
CAL	3 2 3	3 3 3	4 4 4	3 1 3	2 2 2
BOP	+++	+++		+	+
KG	3	7	7	6	4

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## Prognosis and diagnosis

# Prognosis

## Overall

Good



## Individual

- 😊 Good: 18 26 38 48
- 😞 Fair 16 17 27 28 36 46
- 😞 Poor: 37 47

# Diagnosis

Thai association of periodontology (2008):

Generalized mild with localized moderate chronic periodontitis

Others diagnosis:

26 irreversible pulpitis with symptomatic apical periodontitis

27 uncomplicated crown fracture



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**Problem list**

**Treatment plan**

# Problem lists



Dental plaque/ calculus



36 37 furcation involvement  
(BF1)



17 27 28 36 37 38 46 47 48  
pocket formation 5–6 mm



Treatment plan

Systemic phase

NONE

# Treatment plan

## Hygienic phase

1. OHI



โรค สาเหตุการเกิด การป้องกัน การรักษา



การแปรงฟัน modified Bass' technique

วันละ 2 ครั้ง



dental floss



ปรับเปลี่ยนพฤติกรรม การเคี้ยว

2. Scaling and root planing

3. Rescaling 4 wks

4. Recheck 2 wks

5. Refer to endo for 26 RCT

# Treatment plan

## Corrective phase



36, 37 furcation plasty



Refer to prosth fo 26 post core with  
crown, 27 crown

# Treatment plan

## Periodontal maintenance



Recall 3 months

### Department of Periodontology Periodontal Risk Assessment

<sup>b</sup>  
u

<sup>b</sup>  
UNIVERSITÄT  
BERN

Patient Last Name

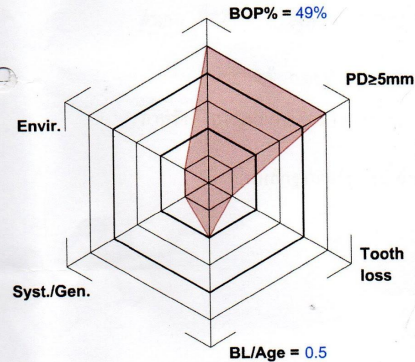
WERNER

First

WERNER

Date

19/07/62



Age

60

Number of teeth and implants

32

(1 - 32)

Number of sites per tooth / implant

☐ 2

☒ 4

☐ 6

Number of BOP-pos. sites

63

of 128

Number of sites with PPD≥5mm

10

Number of missing teeth

0

% Alveolar bone loss  
(estimated in % or 10% per 1mm)

30

%

Syst./Gen.

☐ Yes

☒ No

Envir.

☒ Non smoker (NS)

☐ Former smoker (FS)

☐ Occasional smoker (OS)

☐ Smoker (S)

☐ Heavy smoker (HS)

Polygon surface: 45.8993

Periodontal Risk: **high**

Suggested Recall interval: 3 Months

*WERNER 26.07.62*

# Treatment plan

## Corrective phase



36, 37 furcation plasty



Refer to prosth fo 26 post core with crown, 27 crown

# Furcation plasty

F1



OHI: proxabrush ไม้จิ้มฟัน



Scaling and root planing



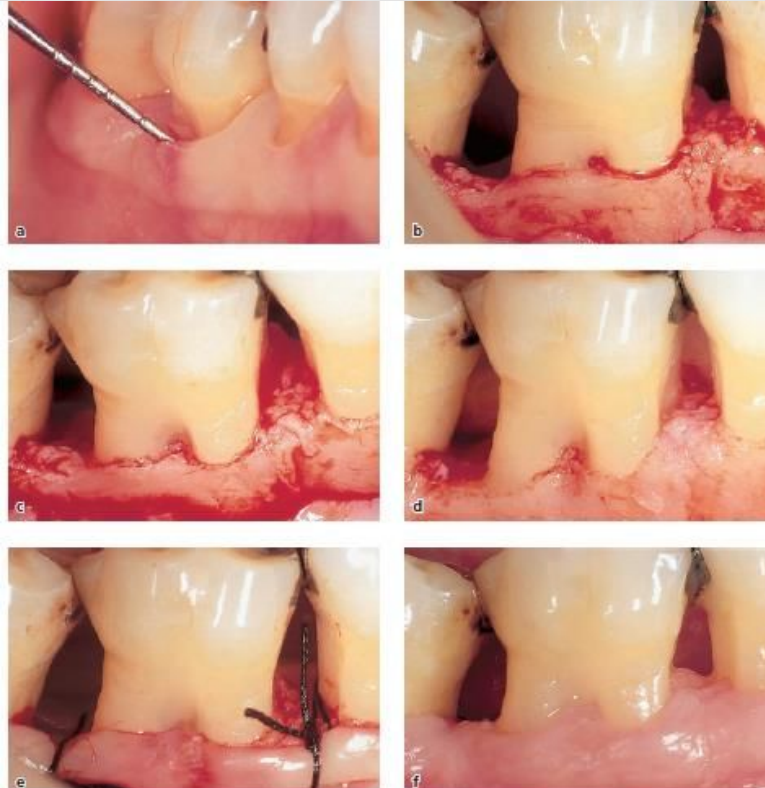
Furcation plasty



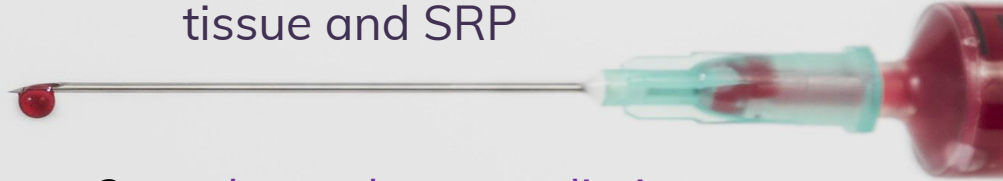
## Furcation plasty

- Odontoplasty and Osteoplasty (at the level of furcation entrance)
- Degree I, shallow Degree II
- To reduce the horizontal depth & widen furcation entrance

# Procedure



1. Dissection and reflection of soft tissue flap to obtain access to the interdental area
2. Remove the inflammatory soft tissue and SRP



3. odontoplasty to eliminate or reduce the horizontal component of the defect and to widen the furcation entrance
4. Recontouring of alveolar bone crest in order to cover the furcation entrance with soft tissue

The background features abstract geometric shapes. A dark purple rectangle is in the top-left corner. A teal circle is in the bottom-left corner. A coral shape is in the bottom-right corner. The rest of the background is white.

**THANKS!**