



UAF VOL 2

ULTIMATE ADVANCE FILE

P.O.W.E.R

PREPARATION OF ADC WITH WINSPERT EXPERT REVIEW

NOTES



PERIODONTICS

By Dr. Jigyasa Sharma



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Thank you for your understanding and continued dedication.

Best regards,
WINSPERT TEAM



R.A.S.H TECHNIQUE

R- **RULE** OUT

A- DOES IT **ANSWER** OUR QUESTION

S- **SEQUENCE** WISE WHAT COMES 1ST

H- WHAT IS GIVEN IN THE **HISTORY**

SOLVE ADC QUESTIONS AT
lightning speed!

PERIODONTICS

SBQ 1

IMPLANT UAF QUESTION VARIATION (SAME AS UAF) - OPG IS GIVEN. (ON OPG 25- POST AND CORE, 46 IMPLANT ABUTMENT ONLY. NO CROWN IS THERE) SHE DIDN'T HAVE MONEY TO COMPLETE THE TREATMENT BEFORE. NOW AFTER 1 YEAR SHE SHOWS UP FOR THE CROWN. 47 IS MESIALLY TILTED. PATIENT COMPLAINS OF PAIN ON BITING ON THE UPPER LEFT REGION AND MOBILITY SINCE THE LAST FEW DAYS. OVERALL HISTORY OF GENERALIZED PERIODONTITIS AND SMOKING HALF A PACK OF CIGARETTE A DAY. MEDICAL HISTORY OF OSTEOPOROSIS AND PT IS TAKING BISPHOSPHONATES

I. You examine 25, probing depth was around 8mm, and find mobility slightly higher than physiological mobility. What is the probable diagnosis?

- A. Split root
- B. Irreversible pulpitis
- C. Acute apical periodontitis
- D. Periodontal abscess

II. What would complicate implant placement?

- A. History/current periodontitis
- B. History of smoking
- C. Infection
- D. Osteoporosis
- E. Occlusal trauma

III. You see mild inflammation around the abutment, not mobile, 3-4mm depth and 6mm distally. What is the diagnosis? (opg was not clear enough to check whether there was bone loss around the implant on distal side- it can be peri implantitis it was present or else failing implant)

- A. Peri Implant mucositis
- B. Periimplantitis
- C. Failing implant
- D. Failed implant

IV. What will you tell her regarding management of 46?

- A. The bone quality is good around 46
- B. Ortho uprighting of 47 may be required before treating 46
- C. Implants are contraindicated for osteoporosis

V. You suspect split root. How will you examine the split root?

- A. Selective cuspal loading (not an option in some centers)
- B. Raising buccal flap.
- C. Probing
- D. Selective cuspal loading and raising buccal flap (only in some centers)

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P.O.W.E.R NOTES SBQ 1

- I. • 25 – post and core, deep narrow pocket measuring around 8mm, mobility present, pain on biting present.
 - These are classical signs of VRF/ Split root.
 - II. History of periodontitis vs history of smoking, smoking has more impact on implant failure.
 - III. • Failed implant is already mobile. In the scenario it's mentioned that theirs is no mobility. Option (D) is ruled out.
 - Failing implant has **Progressive** inflammation and **progressive** bone loss. Which means we need to assess and review the patient in each review appointment with XRAY. So, in each appointment if we are able to identify that the situation is getting worse; then we can diagnose it as “failing implant”. Without review appointments with XRAY s we are not able to come to this diagnosis.
 - According to the scenario, there's only mild inflammation, not mobile, 3-4-6 mm probing depths, no evidence of bone loss around the implants. The diagnosis is more towards the “peri implant mucositis”.
 - IV. 47 is mesially tilted. There may not be much space to place the crown over the 46. So, it's necessary to upright 47 orthodontically to gain space for the prosthesis.
 - V. How to identify VRF:
 - Probing around all the surfaces.
 - Surgical visualisation by raising the flap- it's not the 1st line of investigation. Option (B) is ruled out.
- Cuspal loading is not for VRF, and it is for CTS. Options (A) and (D) are ruled out.

REFERENCE:

et al., 2018, Meister et al., 1980, Walton, 2017).

To detect a VRF, it is essential to use magnification and illumination. Further investigation to enhance visualization of a VRF may be performed using dyes and/or fiberoptic transillumination. Removal of existing restoration

A narrow and/or flexible periodontal probe, for example, the UNC-15, PCP-12 or Click-Probe™ (Kershaw, Switzerland), should be aligned parallel to the long axis of the root being examined and gently 'walked' around the entire circumference of the tooth, to ensure that any isolated periodontal pockets are not missed.

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PERIODONTICS

P.O.W.E.R NOTES SBQ 1

V. REFERENCE:

approximated contact areas. If the VRF is still not readily visible, exploratory surgical procedures may be necessary to visualize the presence and nature of an apical fracture

(PradeepKumar et al., 2016). A recent study demonstrated that when a sinus tract is present in relation to a VRF, it may be located more coronally, either at the mid-root level (77.8%) or at the gingival margin (22.2%) (Kasahara et al., 2020). Multiple sinus tracts are also common pathognomonic features of a VRF; taking a radiograph with a gutta-percha tracer inserted into the sinus tract will allow its source to be determined and facilitate diagnosis (Tamse,

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PERIODONTICS

SBQ 2

A YOUNG FEMALE PATIENT AGED 28 COMES TO YOU. SHE COMPLAINS OF DISCOMFORT, WHEN YOU DID AN EXAMINATION YOU OBSERVED A SWELLING ON THE GINGIVA.



I. What will you ask the patient to come to a diagnosis?

- A. Recent or current history of pregnancy.
- B. Pus coming from the lesion
- C. Change in size or shape of lesion

II. What would be your provisional diagnosis?

- A. Pyogenic granuloma
- B. Fibroma.
- C. Peripheral giant cell granuloma
- D. Epulis

III. You plan to do scaling and debridement. What risk should you inform the patient before taking consent?

- A. Risk of excessive bleeding
- B. Chances of recurrence

IV. What medication can cause such a lesion?

- A. Thyroxine
- B. Calcium channel beta blockers C. Ssri
- D. Antihistamines
- E. Calcium and vit D

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PERIODONTICS

P.O.W.E.R NOTES SBQ 2

- I.
 - Pus can be draining from multiple lesions. E.g. periodontal abscess, periapical abscess, Langerhans cell histiocytosis (LCH). Option (B) is ruled out.
 - Change in the shape and size is not helpful to come to a diagnosis.
 - Among the given the best answer is (A).
- II.
 - There's no pulpal pain, there's no restoration. There's no periodontal condition. It's a vital tooth.
 - So, the diagnosis is more towards the pyogenic granuloma or fibroma.
 - Among the given the best answer is (A).
- III.
 - Calcium channel blockers are associated with gingival enlargements.
 - Need to explain the patient that there's a chance of recurrence and you might have to treat again if recurs.
 - If you are not going to tell about the chances of recurrence and in case if it happens, patient won't be happy. He might start complaining.

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PERIODONTICS

SBQ 3

PATIENT COMES TO YOU COMPLAINING OF PAIN IN THE LOWER BACK REGION. PATIENT DID NOT SAY PAIN TO COLD HOLD (NOT TO ANY STIMULUS) BUT PAINFUL AT TIMES (SUGGESTIVE OF PERIO PAIN FROM FOOD LODGEMENT)



I. What will you ask from the patient that will help you with diagnosis? (You suspect food lodgement)

- A. Any bad smell or taste specific to that area
- B. Her oral hygiene practices, interdental cleaning habits
- C. What happened to adjacent teeth

II. How will you manage the patient ,In the X-ray you could see calculus build up in between the teeth.

- A. Do a professional scale and clean.
- B. Use mouthwash
- C. Use high strength fluoride
- D. Refer to medical specialist

III. What will be your home care advice to the patient?

- A. Use mouthwash
- B. Use high strength fluoride
- C. Use interdental cleaning aids

IV. Patient comes back after a few weeks and says that the bad odour from the mouth is persisting despite giving dental treatment. What will you do next?

- A. Do a professional scale and clean.
- B. Send the patient to a medical practitioner.

V. What kind of habit causes this pattern of lesion in 36?

- A. Aggressive use of interdental brushes
- B. Aggressive use of floss
- C. Food lodgement

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P.O.W.E.R NOTES SBQ 3

- I.
 - Provisional diagnosis is food lodgement.
 - Any bad taste or bad smell which is localised in that area is related to the food lodgement and it's confirming the provisional diagnosis.
 - Oral hygiene practices are not confirming the present provisional diagnosis.
 - Food impaction is happening as the adjacent tooth is extracted and there is proximal cervical caries present on the tooth.
 - But option (C) is not confirming the provisional diagnosis.
 - Among the given the best answer is (A).
- II.
 - According to the XRAY you could identify that calculus build up in between the teeth.
 - Calculus can be removed only with the professional scale and clean.
 - Among the given the best answer is (A).
- III.
 - Based on the main chief complaint which is food impaction and calculus build up mainly due to the poor interdental cleaning.
 - Chief complaint is not caries rather food lodgement and calculus. So, option (B) gets ruled out.
 - Both options (A) and (C) are involved with managing oral hygiene. Mouth wash is optional and adjunct. Most important thing is to use interdental cleaning aids. tooth brushing and interdental cleaning are the daily mandates. Among the given the best answer is (C).
- IV.
 - Even after a professional scale and clean the patient comes back with the complaint of bad odour.
 - The patient should be referred to the medical practitioner to rule out extra oral causes.

REFERENCE:

Management of intraoral causes of halitosis depends on the origin of the malodour—see Box 15 (p.126). Promote oral hygiene for patients with an intraoral cause of halitosis (see pp.273–5). If improved oral hygiene and management of intraoral causes does not resolve halitosis, referral to a medical practitioner is appropriate to investigate for extraoral causes.

- V.
 - Tooth 36 as proximal cervical caries. This lesion can be due to both carious and abrasive aetiology.
 - Aggressive use of interdental brushes can lead this type of lesion. In the question it's asking about the causing habit.
 - Food lodgement can lead to bad odour and bad taste and localised periodontitis. Food lodgement is not a habit.

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SBQ 4

A PICTURE WAS GIVEN. IN THE YELLOW MARKED PLACES, THERE WAS CALCULUS (I.E LOCATION WAS- ON YELLOW MARKS IN 1ST PICTURE BUCCALLY, LIKE SHOWN IN 2ND PICTURE). (JUST LIKE THE NEXT IMAGE TEXTURE).PATIENT DID NOT HAVE ANY PLAQUE, STAIN OR ANYTHING AT OTHER SITES.



I. Question asked about the oral hygiene status of a patient?

- A. Poor plaque control
- B. Localised moderate calculus.
- C. Mild calculus deposits.

II. What would you advise regarding oral hygiene to this pt?

- A. Use dental floss
- B. Toothpaste 5000 ppm
- C. Mouthwash

III. You diagnosed a tooth having reversible pulpitis. What specific question will support your diagnosis of reversible pulpitis?

- A. Duration of pain after initial onset
- B. Response to cold stimulus

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P.O.W.E.R NOTES SBQ 4

- I.
 - Patient doesn't have plaque or calculus on any other area apart from the lower anterior region. So, it's not because of poor plaque control. And the condition is localised.
 - It's not mild rather moderate because it's covering more amount of the tooth surface.
 - Among the given the best option is (B).
- II.
 - 5000ppm fluoride toothpaste is given in high caries risk.
 - Mouth wash is an adjunct.
 - Brushing along with flossing will reduce the interdental plaque build up and will prevent calculus build up.
 - Among the given the best option is (A).
- III.
 - Response to cold comes from both reversible and irreversible pulpitis. Duration of pain will be helpful to differentiate between reversible and irreversible pulpitis.
 - Among the give the answer is (A).

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PERIODONTICS

SBQ 5

PATIENT WITH POOR ORAL HYGIENE. CAME FOR ORAL PROPHYLAXIS. SHE SAID SHE IS TAKING MEDICATIONS FOR HEART MURMUR, AND IS A SMOKER 5-10 CIGARETTES PER DAY. SHE RETURNED AFTER 2 WEEKS WITH SEVERE DISCOMFORT AND PAIN IN THE GINGIVA WITH ULCERATIVE SLOUGH (OBSERVATION).



I. What is the diagnosis?

- A. Herpetic gingivostomatitis.
- B. Necrotising periodontal disease.
- C. Erythema multiforme
- D. Chronic periodontitis

II. You did gentle debridement. What is the next IMMEDIATE management?

- A. Prescribe antibiotics.
- B. Refer to specialist

III. Patient says she has a heart murmur and says used to take antibiotics for all procedures. Which prophylaxis will you give ?

- A. Amox 2g
- B. Clindamycin
- C. Some antibiotic with dose
- D. Send her to Gp for info regarding cardiac condition.

IV. Infective endocarditis prophylaxis would be needed for which procedure?

- A. Subgingival placement of matrix band
- B. Pulpal treatment
- C. Restorations

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P.O.W.E.R NOTES SBQ 5

- I.
 - The pain is severe, and it seems to be a chronic condition. There is an ulcerative slough. There is bone involvement and recession according to the given picture.
 - As the bone is involved it's not a gingivitis condition rather a periodontitis condition.
 - Patient has a history of smoking and poor oral hygiene.
 - Among the given the best answer is (B).
- II.
 - In NUG management would be involving scale and clean, antibiotic treatment with follow up review appointment.
 - But NUP is not in the hands of a general dentist. So, the patient should be referred to the specialist.
- III.
 - AB prophylaxis is not usually given for the heart murmurs. But in this patient, there might be some added complications associated with the heart murmur and that can be the reason that she might be taking the AB prophylaxis.
 - So, it's better to refer to the GP and get the opinion prior to administration of AB prophylaxis.
- IV.
 - AB prophylaxis is indicated when:
 - i. There is a tendency to bleed during the procedure
 - ii. Gingival manipulation
 - Subgingival placement of the matrix band can cause bleeding.
 - Among the given the best is (A).

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PERIODONTICS

SBQ 6

A QUESTION WAS GIVEN REGARDING PERIODONTITIS, AND THE HISTORY MENTIONED THAT THE PT IS STRESSED AND HAS GAINED WEIGHT ALSO. WHICH FACTOR HAS MORE EFFECT ON PERIODONTITIS?

- A. Obesity
- B. Stress

P.O.W.E.R NOTES SBQ 6

- Both stress and obesity have an impact on periodontitis. Among these obesity will increase the inflammatory load of the body.
- Body has time to repair stress. With the help of sleep, meditation etc stress can be managed.
- In obese patients there is constant physical stress in the body.
- Psychological stress is situational. Obesity is a permanent physical stress.
- Among the given the best answer is (A).

Recognized risk factors, such as cigarette smoking or metabolic control of diabetes, affect the rate of progression of periodontitis and, consequently, may increase the conversion from one stage to the next. Emerging risk factors like obesity, specific genetic factors, physical activity, or nutrition may one day contribute to assessment, and a flexible approach needs to be devised to ensure that the case-

1. Systemic disorders that have a major impact on the loss of periodontal tissues by influencing periodontal inflammation	
1.1. Genetic disorders	ICD-10 code
1.1.1 Diseases associated with immunologic disorders	
Down syndrome	Q90.9
Leukocyte adhesion deficiency syndromes	D72.0
Papillon-Lefèvre syndrome	Q82.8
Halm-Munk syndrome	Q82.8
Chediak-Higashi syndrome	E70.3
Severe neutropenia	
Congenital neutropenia (Kostmann syndrome)	D70.0
Cyclic neutropenia	D70.4
Primary immunodeficiency diseases	
Chronic granulomatous disease	D71.0
Hyperimmunoglobulin E syndromes	D82.9
Cohen syndrome	Q87.8
1.1.2. Diseases affecting the oral mucosa and gingival tissue	
Epidermolysis bullosa – Dystrophic epidermolysis bullosa	Q81.2
– Kindler syndrome	Q81.8
Plasminogen deficiency	D68.2
1.1.3. Diseases affecting the connective tissues	
Ehlers-Danlos syndromes (types IV, VIII)	Q79.6
Angioedema (C1-inhibitor deficiency)	D84.1
Systemic lupus erythematosus	M32.9
1.1.4. Metabolic and endocrine disorders	
Glycogen storage disease	E74.0
Gaucher disease	E75.2
Hypophosphatasia	E83.30
Hypophosphatemic rickets	E83.31
Hajdu-Cheney syndrome	Q78.8
1.2. Acquired immunodeficiency diseases	
Acquired neutropenia	D70.9
HIV infection	B24
1.3. Inflammatory diseases	
Epidermolysis bullosa acquisita	L12.3
Inflammatory bowel disease	K50
	K51.9
	K52.9
2. Other systemic disorders that influence the pathogenesis of periodontal diseases	
	ICD-10 code
Diabetes mellitus (type 1)	E10
(type 2)	E11
Obesity	E66.9
Osteoporosis	M81.9
Arthritis (rheumatoid arthritis, osteoarthritis)	M05
	M06
	M15-
	M19
Emotional stress and depression	F32.9
Smoking (nicotine dependence)	F17
Medications	
3. Systemic disorders that can result in loss of periodontal tissues independent of periodontitis	
	ICD-10 code
3.1. Neoplasms	
Primary neoplastic diseases of the periodontal tissues	
– Oral squamous cell carcinoma	C03.0
– 1	D48.0
– Odontogenic tumors	C41.0
– Other primary neoplasms of the periodontal tissues	C06.8
Secondary metastatic neoplasms of the periodontal tissues	
3.2. Other disorders that may affect the periodontal tissues	
Granulomatosis with polyangiitis	M31.3
Langerhans cell histiocytosis	C96.6
Giant cell granulomas	K10.1
Hyperparathyroidism	E21.0
Systemic sclerosis (scleroderma)	M34.9
Vanishing bone disease (Gorham-Stout syndrome)	M89.5

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PERIODONTICS

SBQ 7

A PATIENT WITH SEVERE PERIODONTITIS. HIS HBA1C RANGE WAS 7. EFFECT OF DIABETES IN HIS PERIODONTAL STATUS?

- A. Significant as periodontal condition will decline
- B. Minimal, as periodontal condition is controlled

P.O.W.E.R NOTES SBQ 7

- Anything which is below 7 is grade B. But anything which is above 7 falls under grade C.
- So, HBA1C = 7 has a significant effect on periodontal condition.

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