

The American Board of Periodontology Oral Examination Format Beginning May 2004

GENERAL GUIDELINES

1. Examiners will present a brief medical/dental history followed by the showing of slide(s) which may include: natural teeth or implants, single or multiple radiographs, intra or extraoral lesions, etiologic factors, surgical procedures, wound healing, results of therapy, etc. (see Content Areas)
2. Candidates will be permitted to ask pertinent questions about the patient and request that a slide or slides be re-visited.
3. Two to four protocols (scenarios) may be presented during each 1 ½ hour examination.
4. Seven skills will be measured in each protocol: diagnosis, etiology, prognosis, treatment planning, therapy, evaluation of results and maintenance.
5. When possible examiners will utilize ‘open-ended’ questions to obtain information on candidate skills, e.g.: How would you proceed to develop a diagnosis for this patient?
6. Candidates will benefit grade-wise by giving evidenced-based answers and citing references to support rationale.
7. Candidates will be expected to have expert knowledge of all currently acceptable modalities of therapy whether they perform them in practice or not.
8. Two sessions of 1½ hour will be scheduled the same day with two examiners present at each session.
9. Independent scores will be given for each skill as follows; 4-Outstanding, 3-Satisfactory, 2-Marginal; or 1-Unsatisfactory. A final score for the examinations will be determined statistically by the multi-facet Rasch model.

HYPOTHETICAL SCENARIO

The patient is a 41-year-old Caucasian male presented with a chief complaint of a recently developed space between his front teeth. He reports that his general health is good, but premedicates before dental treatment with erythromycin for mitral valve prolapse. He states that he is allergic to penicillin. His gums bleed occasionally with brushing.

Photographic 2 x 2 slides to be used throughout the questioning period for this protocol include:

1. Maxillary Anterior photograph demonstrating Anterior open bite, and open contact 7-8.
2. Preoperative radiograph #6-11
3. Occlusal view demonstrating excessive occlusal wear
4. Surgical site 6-11
5. One-year post-op radiographs
6. One year post-op photographs 6-11
7. Charting of attachment levels and pocket depths at 2 years

1. Diagnosis

Question: Describe how you would proceed in order to generate an accurate periodontal diagnosis including any intra-oral and extra-oral pathoses.

Candidates should consider the following factors in making the diagnoses of Localized Severe Chronic Periodontitis with Occlusal Traumatism:

- Medical history
- Occlusion – anterior open bite, centric prematurities
- Plaque/calculus
- Recession
- Attachment levels/pocket depths
- Bone loss
- Mobility

2. Etiology

Question: What etiologic factors are pertinent in this patient?

Candidates should consider the following factors:

- Space between #7 & 8
- Open contacts
- Food impaction
- Occlusal trauma
- Plaque and calculus
- Anterior open bite
- Centric prematurity
- Habits
- Genetics

3. Prognosis

Question: What would you consider the prognosis to be for individual teeth and for the overall dentition both short and long term in this patient?

Candidates should be able to discuss:

- Short/long term prognosis of #'s,2,3,7,14,15,18,19 and how derived?
- Will prognosis change after treatment?
- Will prognosis change with different treatment modalities? Why? How?

4. Treatment Plan- Please proceed with your treatment plan for this patient. You may request to review any information that you believe important to this task.

Candidate should be prepared to discuss:

Which options are best for this patient and why?

Order of treatment

Rationale for each treatment

What is the expected outcome for each treatment?

5. Therapy-Please discuss the rationale for the selected therapy.

Possible Questions: 1) Since you chose to extract #7,8 please provide your rationale; 2) If you chose to retain #7,8 what therapy(ies) would you consider; 3) Please provide in detail your technique for grafting 7,8.; 4) Describe the specific techniques you would use for the treatment of #'s 7 & 8 and how you would perform them.

Candidate should be prepared to discuss:

GTR – flap design, materials, steps

Root treatment – how (manual, sonic, ultrasonic, rotary), why?

Root conditioning

Graft –choices

Barrier – choices

Suture

Dressing Placement?

Antibiotics – localized? Systemic?

Post-op management

6. Results of Therapy

Question: What factors would you consider when evaluating results of therapy?

Candidate should be prepared to discuss:

What were goals?

How to measure results

When to measure results – why?

What is success?

What is failure?

7. Maintenance

Question: What factors would you consider in developing a maintenance schedule for this patient?

Candidate should be prepared to discuss

How to maintain 0-3 mm pockets

How to maintain 3-5 mm pockets

How to maintain 5-7 mm pockets

When to retreat? Why?

Reasons not to retreat

PROTOCOL CONTENT AREAS FOR ORAL EXAMINATION

- I. Non-surgical therapy
 - A. Plaque control / behavior modification
 - B. Scaling, root planing / debridement
 - C. Pharmacotherapeutics / irrigation
 - D. Stress reduction / sedation
 - E. Occlusal therapy / splints / TMJ
 - F. Interdisciplinary therapy, e.g. ortho, endo, restor.

- II. Surgical therapy
 - A. Crown lengthening
 - a. restorative
 - b. cosmetic
 - B. Gingival attachment procedures
 - C. Regeneration or replacement of periodontal supporting structures
 - a. Bone replacement grafting
 - b. Barrier therapy, e.g. GTR
 - c. Combination graft and barrier
 - d. Root surface conditioning
 - D. Resective
 - a. Soft tissue
 - b. Hard tissue
 - c. Root Resection
 - E. Periodontal plastic surgery
 - a. Soft tissue grafts
 - b. Pedicle flaps
 - c. Combination pedicle flaps, connective tissue
 - d. Connective tissue grafts
 - e. Barriers
 - F. Dental implants
 - a. Placement
 - b. Repair /Removal
 - G. Site preparation, e.g. sinus elevation, GBR

- III. Oral/Systemic Interrelationships
 - A. Oral medicine
 - B. Oral pathology
 - C. Perio / medicine / systemic

SCORE SHEET FOR EACH PROTOCOL

Examiner # _____

Candidate # _____

Protocol # _____

Scoring

Rating Scale: Rate the quality of the performance of the candidate with regard to each of the following skills using the following rating scale.

4=outstanding

3=satisfactory

2=marginal

1=unsatisfactory

Skills:

Ratings:

- | | |
|-------------------------|-------|
| 1. Diagnosis: | _____ |
| 2. Etiology: | _____ |
| 3. Prognosis: | _____ |
| 4. Treatment Plan: | _____ |
| 5. Therapy: | _____ |
| 6. Evaluate Results: | _____ |
| 7. Maintenance Program: | _____ |