INBDE
Practice Questions

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Patient

Female, 10 years old

Chief Complaint

“My daughter is here for her regular check up.”

Background and/or Patient History

Current Findings

Which permanent tooth is least likely to spontaneously erupt?

A. 2
B. 5
C. 6
D. 29

Key: C
CC07, CC08, CC14
FK4
Field Test A

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Patient

Male, 60 years old

Chief Complaint

“My gums are bleeding for no apparent cause.”

Background and/or Patient History

Prosthetic heart valve
Medications:
- lithium (Lithobid®)
- metformin (Glucophage®)
- atorvastatin (Lipitor®)
- warfarin (Coumadin®)

Current Findings

Vital signs stable
No acute distress
Spontaneous gingival bleeding
INR: 5

Which mechanism of action most likely explains the current complaint?

A. Vitamin K inhibition
B. Direct thrombin inhibition
C. Antithrombin III activation
D. Platelet aggregation inhibition

Key: A
CC09, CC20
FK8, FK1
Field Test A

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Patient
Male, 32 years old
Chief Complaint
“My gums hurt over my front tooth.”
Background and/or Patient History
Recurrent gingival lesion - outbreaks last 7-10 days
Current Findings
Vesicular lesion between teeth 9 and 10

Which is the best treatment for the labial buccal mucosal lesions?

A. Dexamethasone elixir
B. Nystatin suspension
C. Tetracycline oral rinse
D. Valacyclovir (Valtrex®) tablets

Key: D
CC19
FK8
Field Test A

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Patient
Male, 48 years old
Chief Complaint
“I’ve been in pain for two days and now my face is swollen,”
Background and/or Patient History
Hyptertension Type 2 diabetes Penicillin allergy
Current Findings
Facial edema Lymphadenopathy Extensive apical radiolucency associated with tooth 6 Temp: 100.3 BP: 150/93 Blood glucose: 240 mg/dL

Where is the infection most likely located?

A. Buccal vestibule
B. Canine space
C. Nasal cavity
D. Pterygomaxillary space

Key: B
CC01, CC20, CC31
FK1, FK2, FK5, FK7
Field Test A

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Patient
Male, 48 years old
Chief Complaint
"I've been in pain for two days and now my face is swollen," Five days after starting the antibiotic, the patient called and said, "I have bad watery diarrhea, a high temp, and stomach cramps."
Background and/or Patient History
Hyptertension Type 2 diabetes Penicillin allergy
Current Findings
Facial edema Lymphadenopathy Extensive apical radiolucency associated with tooth 6 Temp: 100.3 BP: 150/93 Blood glucose: 240 mg/dL

The most appropriate next step would be to:

(Progressive paired with Model Item 5)

A. discontinue current antibiotic and refer to physician.
B. discontinue current antibiotic and substitute with azithromycin (Z-Pak®).
C. recommend loperamide (Imodium®).
D. recommend probiotics.

Key: A
CC19, CC20
FK8
Field Test A

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Patient
Male, 5 years old
Chief Complaint
Background and/or Patient History
First dental examination two weeks ago Cooperation assessment: good Restorable caries on one or more primary molars in every quadrant
Current Findings

After demonstration during the first restorative appointment, the next management technique would be:

A. distraction.
B. explanation.
C. rationalization.
D. sedation.

Key: A
CC14
FK9
Field Test A

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Patient
Female, 12 years old
Chief Complaint
“My mouth hurts.”
Background and/or Patient History
Four first premolars extracted 24 hours ago.
Current Findings
No swelling

Post-treatment discomfort is best managed with:

A. acetaminophen (Tylenol®).
B. codeine.
C. ibuprofen (Advil®).
D. tramadol (Ultram®).

Key: C
CC21, CC33, CC38
FK1, FK8
Field Test A

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Patient
Male, 65 years old
Chief Complaint
“My tooth has turned dark grey.”
Background and/or Patient History
Prosthetic heart valve Medications: warfarin (Coumadin®)
Current Findings
Necrotic tooth 24 Not responding to cold No swelling present INR: 3

Before extracting tooth 24, which one of the following is the best option?

A. No antibiotic administration is required.
B. Amoxicillin 2 grams should be taken 30 minutes to 60 minutes before procedure.
C. Warfarin (Coumadin®) should be discontinued the morning before procedure.
D. Clarithromycin (Biaxin®) 500 milligrams should be taken 30 minutes to 60 minutes before procedure.

Key: B
CC01
FK3
Field Test A

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Patient
Male, 35 years old
Chief Complaint
"I've had a metallic taste in my mouth for the past few days."
Background and/or Patient History
Good oral hygiene Several implants Several restorations recently completed: • Gold crown on tooth 2 • MOD amalgam on tooth 3 • Zirconia crown on tooth 4 • PFM bridge on teeth 29 to 31 • Good overall health
Current Findings

What is most likely causing the chief complaint?

A. Gold interfacing with amalgam
B. PFM bridge
C. Titanium implants
D. Zirconia interfacing with amalgam

Key: A
CC01, CC46
FK3, FK10
Field Test A

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Patient
Male, 9 years old
Chief Complaint
Parent: “My son was hit in the face with a baseball and he’s bleeding and missing teeth!”
Background and/or Patient History
Type 1 diabetes
Current Findings

Which is most important to ask the parent first?

A. “Did the child lose consciousness?”
B. “Do you have the teeth?”
C. “When did the child last eat?”
D. “When did the injury occur?”

Key: A
CC19, CC31, CC38
FK2, FK 5, FK7
Field Test A

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Patient
Male, 14 years old
Chief Complaint
“I can’t seem to get rid of the sores at the corners of my mouth.”
Background and/or Patient History
Painful lesion - recurrent, never go away entirely
Current Findings

The most appropriate treatment is:

A. acyclovir (Zovirax®) cream.
B. amantadine (Symmetrel®).
C. amlexanox (Aphthasol®).
D. nystatin and triamcinolone (Mycolog®-II) cream.

Key: D
CC09, CC19
FK8
Field Test A

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Patient
Male, 65 years old
Chief Complaint
"My mouth has been dry for over a month."
Background and/or Patient History
Previous endocarditis Medications: warfarin (Coumadin®)
Current Findings
Tooth 24 is missing incisal 1/3, INR: 3

Before performing a crown lengthening surgery, which one of the following is the best option?

A. No antibiotic administration is required.
B. Amoxicillin 2 grams should be taken 30 minutes to 60 minutes before procedure.
C. Warfarin (Coumadin®) should be discontinued the morning before procedure.
D. Clarithromycin (Biaxin®) 500 milligrams should be taken 30 minutes to 60 minutes before procedure.

Key: B
CC19
FK8
Field Test A

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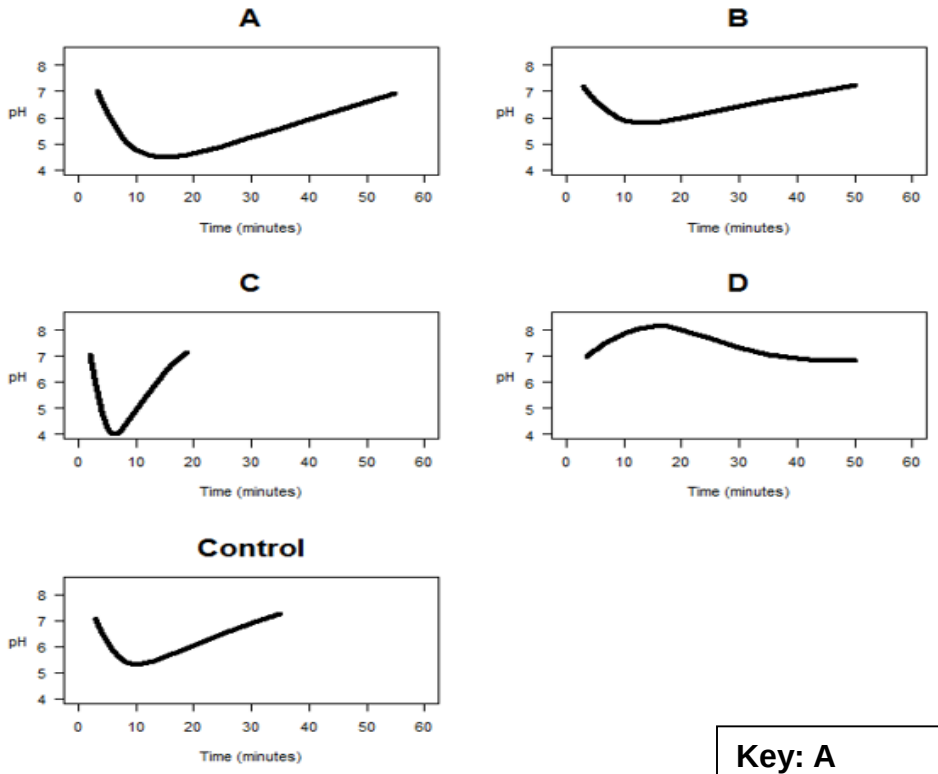
Patient
Female, 75 years old
Chief Complaint
“My gums hurt over my front tooth.”
Background and/or Patient History
Oropharyngeal cancer treated by radiation.
Current Findings

Which graph best shows the likely plaque pH response after drinking a sugary beverage?



Key: A
CC24
FK1
Presented to ADEA

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Patient

Male, 60 years old

Chief Complaint

“My gums bleed easily.”

Background and/or Patient History

Paroxysmal supraventricular tachycardia
Pulmonary embolism
Type 2 diabetes
Hypertension
Hyperlipidemia
Medications:
- metformin (Glucophage®)
- atorvastatin (Lipitor®)
- warfarin (Coumadin®)
- aspirin 81 mg daily

Current Findings

BP: 145/90
Diffuse gingival bleeding

Which mechanism of action most likely explains the chief complaint?

A. Antithrombin III inactivation
B. Coagulation activation
C. Thrombin inhibition
D. Vitamin K antagonism

Key: D
CC020
FK8

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Patient
Male, 60 years old
Chief Complaint
“My gums bleed easily.”
Background and/or Patient History
Paroxysmal supraventricular tachycardia Pulmonary embolism Type 2 diabetes Hypertension Hyperlipidemia Medications: metformin (Glucophage®) atorvastatin (Lipitor®) warfarin (Coumadin®) aspirin 81 mg daily
Current Findings
BP: 145/90 Diffuse gingival bleeding

Which test would provide a definitive diagnosis of the complaint?

A. Bleeding time
B. International normalization ratio
C. Partial thromboplastin time
D. Platelet count
E. Serum vitamin K

Key: B
CC01, CC20
FK1

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Patient
Male, 48 years old
Chief Complaint
"I've been in pain for two days and now my face is swollen."
Background and/or Patient History
Hypertension Type 2 diabetes Penicillin allergy
Current Findings
Facial edema Lymphadenopathy Extensive apical radiolucency associated with tooth 6 Temp: 100.3 F BP: 150/93 Blood glucose 240 mg/dL

The most appropriate antimicrobial agent is:

A. amoxicillin and clavulanate (Augmentin®).
B. cephalexin (Keflex®).
C. clindamycin (Cleocin®).
D. metronidazole (Flagyl®).

Key: C
CC19, CC31, CC38
FK1, FK2, FK5, FK7

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Patient

Male, 9 years old

Chief Complaint

Parent: “My son was hit in the face with a baseball and he’s bleeding and missing teeth!”

Background and/or Patient History

Type 1 diabetes

Current Findings

Which screening radiograph would be most helpful in diagnosing a mandibular fracture?

A. Bitewing
B. Lateral cephalogram
C. Panoramic
D. Periapical

Key: C
CC08, CC38
FK1, FK2

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Patient
Male, 9 years old
Chief Complaint
Parent: “My son was hit in the face with a baseball and he’s bleeding and missing teeth!”
Background and/or Patient History
Type 1 diabetes
Current Findings

Reimplantation is desired. What is the best way to protect permanent teeth after avulsion?

A. Place back into the sockets
B. Place under the tongue
C. Put in a cup of milk
D. Wrap in a wet napkin

Key: A
CC36, CC38
FK1, FK5, FK6

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Patient
Male, 9 years old
Chief Complaint
Parent: “My son was hit in the face with a baseball and he’s bleeding and missing teeth!”
Background and/or Patient History
Type 1 diabetes
Current Findings

The fractured fragment of tooth 7 has not been found. What is the first step?

A. Administer appropriate pulp therapy
B. Ask the parent if there was a pre-existing fracture
C. Evaluate pulpal status
D. Radiographic image of lower lip

Key: B
CC01, CC03, CC06, CC08, CC31, CC32, CC38
FK1, FK2

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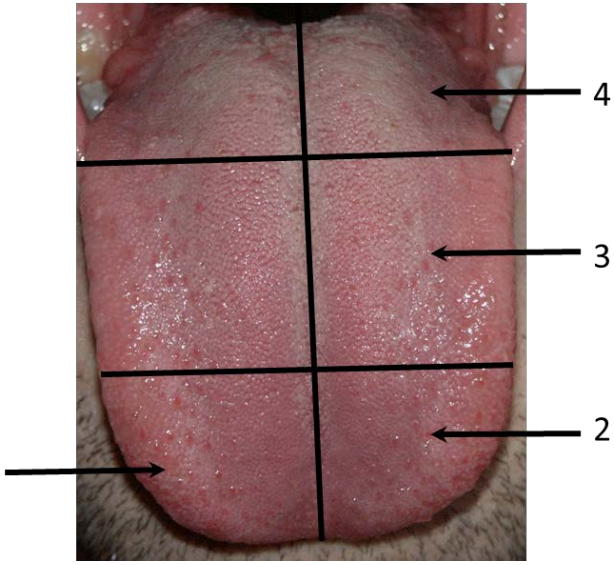
Patient
Male, 38 years old
Chief Complaint
“I haven’t been able to taste on the left side of my tongue for the past three days.”
Background and/or Patient History
Left inferior alveolar nerve block during a prior dental treatment
Current Findings

Where would a loss of taste be expected?



A. 1 and 2
B. 2 and 3
C. 3 and 4
D. 2, 3, and 4

Key: B
CC21
FK1, FK2

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Patient
Male, 75 years old
Chief Complaint
"I'm here to have my filling done
Background and/or Patient History
Atrial fibrillation Medications: dabigatran (Pradaxa®) metoprolol (Toprol®)
Current Findings

The procedure results in a carious exposure of the pulp. The patient chooses to have the tooth extracted. What is the next step at this appointment?

A. Discontinue dabigatran (Pradaxa®) the morning of the appointment.
B. Obtain an INR the morning of the procedure.
C. Proceed without treatment modification.
D. Use 2% lidocaine (Xylocaine®) with 1:50,000 epinephrine.

Key: C
CC20
FK6, FK8

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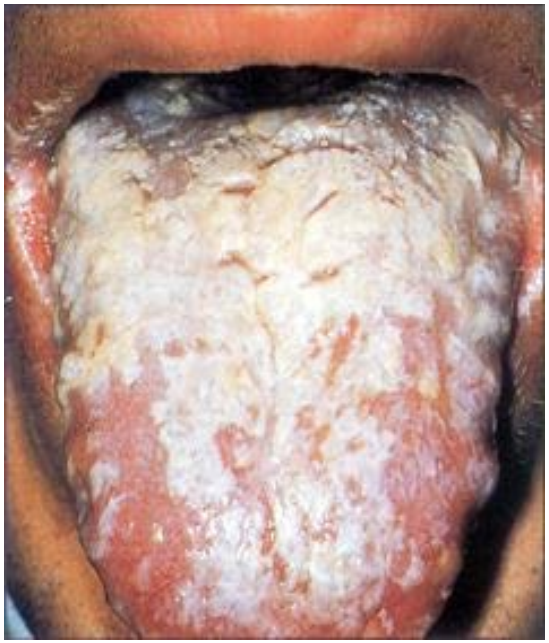
Patient
Male, 37years old
Chief Complaint
“I have white stuff on my tongue.”
Background and/or Patient History
Recurrent low grade fever, fatigue, periodically feels cold and a little ill
Current Findings
White coating can be wiped off

What is the etiology of this condition?



A. Bacterial infection
B. Fungal infection
C. Viral infection
D. Vitamin B12 deficiency

Key: B
CC42
FK7

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A drug has a half-life of 4 hours. Upon discontinuing the drug:

A. 87% will be eliminated in 8 hours.
B. 90% will be eliminated in 24 hours.
C. 94% will be eliminated in 12 hours.
D. 94% will be eliminated in 16 hours.

Key: C
CC20
FK6, FK8

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Patient
Male, 65 years old
Chief Complaint
"A year ago I lost the filling in my back tooth."
Background and/or Patient History
Smokes tobacco – 40 pack years Dental phobia Medications: hydrochlorothiazide (Microzide®) rosuvastatin (Crestor®) aspirin 81 mg
Current Findings
BP: 170/100 Height: 6' 1" Weight: 325 lbs

Physician referral is most urgent for the treatment of:

A. anxiety.
B. hypertension.
C. obesity.
D. smoking.

Key: B
CC01, CC10
FK6, FK8

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When making decisions about patient treatment, which type of study provides the strongest evidence?

A. Case control
B. Cohort
C. Double-blind randomized
D. Evidence summary
E. Systematic review

Key: E
CC??
FK10

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Patient
Male, 60 years old
Chief Complaint
“My gums are bleeding with no apparent cause.”
Background and/or Patient History
Type 2 diabetes Medications: lithium (Lithobid®) metformin (Glucophage®) atorvastatin (Lipitor®) dabigatran (Pradaxa®)
Current Findings
Vital signs stable No acute distress Spontaneous gingival bleeding Blood glucose: 90 mg/dL

Which mechanism of action most likely explains the current complaint?

A. Vitamin K inhibition
B. Direct thrombin inhibition
C. Antithrombin III activation
D. Platelet aggregation

Key: B
CC??
FK?

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Which anatomical structure is indicated by the arrow?

A. Tooth 1
B. Tooth 2
C. Tooth 16
D. Tooth 17

Key: D
CC??
FK?

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Patient
Male, 12 years old
Chief Complaint
“My teeth are crooked.”
Background and/or Patient History
Current Findings

Which permanent tooth is most likely to erupt next?

A. Tooth marked by a
B. Tooth marked by b
C. Tooth marked by c
D. Tooth marked by d

Key: D
CC??
FK?

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Patient
Male, 45 years old
Chief Complaint
“My teeth look bad and are loose. I also have a sore throat and don’t feel good.”
Background and/or Patient History
Smoker (cigarettes), 12 pack-year history Factory worker
Current Findings
Temp: 101 F Malaise for 4-5 days Bilateral tender anterior cervical lymph nodes Bilateral enlargement of tonsils

The bilateral radiopacity inferior to the mandible is the:

A. calcified carotid artery.
B. clavicle.
C. hyoid bone.
D. laryngeal skeleton.

Key: C
CC07
FK?

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Patient
Male, 57 years old
Chief Complaint
“I need a check up”
Background and/or Patient History
Current Findings
Non-cavitated demineralized legion on the occlusal surface of tooth 13

The most appropriate management is:

A. amalgam restoration.
B. monitor lesion at subsequent visits.
C. resin restoration.
D. sealant.

Key: D
CC12
FK?

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Patient

Female, 61 years old

Chief Complaint

"I didn't want to miss my appointment but I don't feel good. I have a fever, cough, and I can't catch my breath."

Background and/or Patient History

Diagnosed with H3N2 strain influenza
Osteoarthritis
Dysplastic nevus syndrome
Fractured right ankle repaired with bone plates and screws, 1 year ago
Melanoma removed from left shoulder, 3 years ago
Medications:
- acetaminophen (Tylenol®)
- meloxicam (Mobic®)
- tramadol (Ultram®)

Current Findings

Temp: 101.4 F

Which statement is correct regarding the prior skin tumor?

A. The depth of invasion is not important in establishing progno
B. It is formed by malignant Langerhans cells.
C. It is often associated with chronic actinic damage.
D. It often has well demarcated borders.

Key: C
CC13
FK?

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A patient has a maximum opening of 25mm. Each of the following could be a contribution. Which is the EXCEPTION?

A. Condylar ankylosis
B. Fatigue of the masseter muscle
C. Hypertrophy of the coronoid process
D. Pericoronitis

Key: B
CC05
FK?

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Patient
Male, 45 years old
Chief Complaint
“My teeth look bad and are loose. I also have a sore throat and don’t feel good.”
Background and/or Patient History
Smoker (cigarettes), 12 pack-year history Factory worker
Current Findings
Temp: 101 F Malaise for 4-5 days Bilateral tender anterior cervical lymph nodes Bilateral enlargement of tonsils

The dentist refers the patient to his physician for the complaint of a sore throat. The patient is given a prescription for amoxicillin (Amoxil®), which is taken by the patient for the next three days. The patient returns two weeks later with complaints of pain in multiple joints and an epidermal rash on his trunk area. What is the most likely cause of these new signs and symptoms?

A. An allergy to amoxicillin (Amoxil®)
B. Bacterial endocarditis
C. Erythema multiforme
D. Rheumatic fever

Key: D
CC02
FK?

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Patient

Male, 53 years old

Chief Complaint

"I don't like the way I look. I want dentures."

Background and/or Patient History

Cardiac bypass surgery, 3 years ago
Right hip replacement, 5 years ago
Prostate adenocarcinoma, 3 years ago
Anxiety and Depression
GERD
Post-cancer osteoporosis
Medications:
- alprazolam (Xanax®)
- bupropion (Wellbutrin®)
- clopidogrel (Plavix®)
- omeprazole (Prilosec®)
- simvastatin (Zocor®)
- zoledronic acid (Zometa®)

Has not seen a dentist in 25 years
Smoker (cigarettes), 30 pack-year history

Current Findings

Decayed and missing front teeth with periodontitis
Sensitivity to cold in upper posterior left quadrant
Xerostomia

Definitive management of the lesion would include:

A. an antifungal agent.
B. exfoliative cytology.
C. incisional biopsy.
D. tobacco cessation treatment.

Key: C
CC04
FK?

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Patient
Male, 45 years old
Chief Complaint
“My teeth look bad and are loose. I also have a sore throat and don’t feel good.”
Background and/or Patient History
Smoker (cigarettes), 12 pack-year history Factory worker
Current Findings
Temp: 101 F Malaise for 4-5 days Bilateral tender anterior cervical lymph nodes Bilateral enlargement of tonsils

Which is the most likely cause of the oropharyngeal signs and symptoms?

A. Hand, foot, and mouth viral infection
B. Mononucleosis
C. Streptococcal pharyngitis
D. Varicella zoster infection

Key: C
CC05
FK?

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A patient expresses the desire to quit smoking after a 40 pack-year history. Each of the following would be an appropriate action EXCEPT one. Which is the EXCEPTION?

A. Prescribe a nicotine (NicoDerm-CQ®) patch
B. Recommend hypnosis
C. Recommend nicotine (Nicorette®) chewing gum
D. Recommend use of a smokeless tobacco

Key: D
CC13
FK?

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Patient
Male, 48 years old
Chief Complaint
“My jaw hurts when I chew, and I cannot open wide.”
Background and/or Patient History
No history of medical problems or medications Previous dental history: routine prophylaxis only Recently assumed an executive position in a large company
Current Findings
Maximum opening is 20mm Sensitivity to palpation of masseter, temporalis, and pterygoid muscles

The initial treatment should include each of the following EXCEPT one. Which is the EXCEPTION?

A. Bite plane splint therapy
B. Diet modification
C. Minor occlusal adjustment
D. Muscle relaxant prescription

Key: C
CC05
FK?

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Patient

Female, 59 years old

Chief Complaint

“I have many missing teeth and several more are loose. My mouth is also dry.”

Background and/or Patient History

Hypertension
Medications:
aspirin 81 mg
hydrochlorothiazide/triamterene (Dyazide®)
Works in the shoe section of a department store

Current Findings

Height: 5' 9"
Weight: 140 lbs
BP: 123/78
New patient presents for an initial examination
Missing many teeth
Several remaining teeth exhibit class 1-2 mobility
Wants to save as many teeth as possible
Willing to consider upper and lower partial dentures
Intraoral examination reveals profound mucosal dryness
Manipulation of major salivary gland ducts fails to produce saliva

The bilateral radiopacities are:

A. amalgam tattoos.
B. artifacts.
C. remnants from iatrogenic dentistry.
D. rigid fixation from trauma.

Key: B
CC07
FK?

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Patient
Male, 45 years old
Chief Complaint
“My teeth look bad and are loose. I also have a sore throat and don’t feel good.”
Background and/or Patient History
Smoker (cigarettes), 12 pack-year history Factory worker
Current Findings
Temp: 101 F Malaise for 4-5 days Bilateral tender anterior cervical lymph nodes Bilateral enlargement of tonsils

Which mechanism results in the soft tissue condition identified in the intraoral exam?

A. Activation of cellular autophagy to decrease apoptosis
B. Binding of proinflammatory-related receptors on myeloid cells
C. Increased production of the osteoblastogenesis-related factors
D. Upregulation of receptor antagonists against enzyme activity by Porphyromonas gingivalis

Key: B
CC20
FK?

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What is the greatest threat to pulp vitality during preparation of a tooth?

A. Bacteria
B. Desiccation
C. Heat
D. Pressure

Key: C
CC19
FK?

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Which base or liner may interfere with the polymerization of a resign composite restoration?

A. Calcium hydroxide
B. Copolymer
C. Glass ionomer
D. Zinc oxide eugenol

Key: D
CC28
FK?

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Each of the following is true of taurodontism EXCEPT one. Which is the EXCEPTION?

A. Larger pulp chamber due to occlusally displaced furcation
B. Occurs in patients with amelogenesis imperfecta and Down syndrome
C. Permanent and primary teeth may be affected
D. Unusual root shape due to late invagination of Hertwig's root sheath

Key: A
CC32
FK?

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Patient
Male, 45 years old
Chief Complaint
“My teeth look bad and are loose. I also have a sore throat and don’t feel good.”
Background and/or Patient History
Smoker (cigarettes), 12 pack-year history Factory worker
Current Findings
Temp: 101 F Malaise for 4-5 days Bilateral tender anterior cervical lymph nodes Bilateral enlargement of tonsils

Periodontal findings in the mandibular anterior region demonstrate a correlation between:

A. erythema and smoking history.
B. original margin position and post-therapy gingival margin position.
C. probing depths and radiographic findings.
D. soft tissue contours and local factors.

Key: D
CC20
FK?

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Patient
Male, 16 years old, accompanied by parent
Chief Complaint
“I am here for my cleaning.”
Background and/or Patient History
Medications: albuterol (Proventil®)
Current Findings
White plaque covering the areas of the posterior hard and soft palatal mucosa

The best diagnosis is:

A. candidosis.
B. herpangina.
C. mononucleosis.
D. streptococcal pharyngitis.

Key: A
CC37
FK?

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Patient

Female, 59 years old

Chief Complaint

"I have many missing teeth and several more are loose. My mouth is also dry."

Background and/or Patient History

Hypertension
Medications:
aspirin 81 mg
hydrochlorothiazide/triamterene (Dyazide®)
Works in the shoe section of a department store

Current Findings

Height: 5' 9"
Weight: 140 lbs
BP: 123/78
New patient presents for an initial examination
Missing many teeth
Several remaining teeth exhibit class 1-2 mobility
Wants to save as many teeth as possible
Willing to consider upper and lower partial dentures
Intraoral examination reveals profound mucosal dryness
Manipulation of major salivary gland ducts fails to produce saliva

Management of the most common opportunistic infection in this case includes which drug?

A. Carbamazepine (Tegretol®).
B. Cephalexin (Keflex®).
C. Clonazepam (Klonopin®).
D. Clotrimazole (Mycelex®).

Key: D
CC24
FK?

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Patient

Female, 25 years old

Chief Complaint

"My upper left back tooth has been sensitive to hot, cold and chewing. I woke up in pain last night."

Background and/or Patient History

Has not seen a dentist for five years
Expresses a strong desire to maintain her teeth

Current Findings

Apical radiolucency tooth 15, no swelling

What is the most appropriate emergency treatment?

A. Antibiotics and NSAIDs
B. Occlusal adjustment and NSAIDs
C. Pulpectomy and antibiotics
D. Pulpectomy and NSAIDs

Key: D
CC17
FK?

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Patient

Male, 75 years old

Chief Complaint

"I have a painful burning sensation on my tongue and on the roof of my mouth."

Background and/or Patient History

Hepatitis C, diagnosed 20 years ago
Insomnia
GERD
Incontinence
Gout
Surgery for benign prostatic hyperplasia, 2 years ago
Replacement of left proximal thumb joint due to osteoarthritis, 1.5 years ago
Medications:
- allopurinol (Zyloprim®)
- esomeprazole (Nexium®)
- solifenacin (Vesicare®)
- trazodone (Desyrel®)

Allergies: penicillin - urticaria
Smoker (cigarettes), 40 pack-year history
Farmer for 55 years

Current Findings

Height: 6' 2"
Weight: 190 lbs
BP: 135/68
Burning sensation involved his dorsal tongue and palate for the past 5 years
Symptoms are worse late in the day
Past treatment with nystatin has not resulted in relief
Dorsal glossal and palatal mucosae reveals no clinical abnormality

The patient's physician prescribed cephalexin (Keflex®) 2 gm, to be taken prior to the dental treatment. The patient presents to the dental office with a rash and itching on the chest, neck, and arms. Each of the following is an appropriate next step EXCEPT one. Which is the EXCEPTION?

A. Administer diphenhydramine (Benadryl®) and monitor the patient
B. Contact the patient's physician to discuss options for treating the patient
C. Recommend clindamycin (Cleocin®) if an antibiotic is needed for future dental treatment
D. Decrease the dose of cephalexin (Keflex®) to 1 gm prior to dental treatment

Key: D
CC15
FK?

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Patient
Female, 45 years old
Chief Complaint
"I want to get my teeth checked."
Background and/or Patient History
New patient Self-proclaimed dental phobia History of infrequent dental care Suffered traumatic dental treatment experience as a child
Current Findings
Oral and radiographic examination reveal multiple caries

What should be the first action for the dentist to take after the initial oral diagnosis and treatment plan discussion?

A. Encourage the patient to discuss previous traumatic dental experiences.
B. Refer the patient for behavioral therapy prior to initiating dental treatment.
C. Schedule the patient for restorative procedures in one appointment.
D. Schedule the patient for restorative procedures under conscious sedation.

Key: A
CC17
FK?

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Patient
Male, 1 year old, accompanied by mother
Chief Complaint
Mother: “My son fell and a baby tooth came out.”
Background and/or Patient History
Has never seen a dentist before, but family members are patients of record
Current Findings
Tooth E has avulsed and is in a cup of milk

Which action should be performed by the dentist?

A. Curette the socket and suture the site.
B. Inspect the socket and reassure the mother and infant.
C. Reimplant the tooth and splint to adjacent teeth.
D. Reimplant the tooth but do not splint.

Key: B
CC37
FK?

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Patient

Female, 30 years old

Chief Complaint

"I want my teeth fixed before getting pregnant."

Background and/or Patient History

Duodenal ulcer
Medications:
- antacids
- oral contraceptives

Extractions prior to orthodontic treatment
10 years since last dental visit

Current Findings

Missing and carious teeth
Gingival swelling and erythema around tooth 17
Bilateral tenderness in muscles of mastication

There are four posterior teeth present in the mandibular left quadrant. One tooth has five cusps, two teeth have four cusps, and another tooth has three cusps. Which tooth is missing?

A. 18
B. 19
C. 20
D. 21

Key: D
CC26
FK?

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Patient

Male, 75 years old

Chief Complaint

“I have a painful burning sensation on my tongue and on the roof of my mouth.”

Background and/or Patient History

Hepatitis C, diagnosed 20 years ago
Insomnia
GERD
Incontinence
Gout
Surgery for benign prostatic hyperplasia, 2 years ago
Replacement of left proximal thumb joint due to osteoarthritis, 1.5 years ago
Medications:
- allopurinol (Zyloprim®)
- esomeprazole (Nexium®)
- solifenacin (Vesicare®)
- trazodone (Desyrel®)

Allergies: penicillin - urticaria
Smoker (cigarettes), 40 pack-year history
Farmer for 55 years

Current Findings

Height: 6' 2"
Weight: 190 lbs
BP: 135/68
Burning sensation involved his dorsal tongue and palate for the past 5 years
Symptoms are worse late in the day
Past treatment with nystatin has not resulted in relief
Dorsal glossal and palatal mucosae reveals no clinical abnormality

The patient asks about replacement of his missing teeth. What is the most appropriate response?

A. "It will help stabilize your bite.“
B. "Replacement isn't essential.“
C. “Replacing those teeth will improve esthetics.“
D. "Your medical condition precludes replacement."

Key: B
CC38
FK?

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Patient
Male, 5 years old, accompanied by parents
Chief Complaint
Parents: “We are here for our son’s initial exam.”
Background and/or Patient History
Duchenne muscular dystrophy, an X-linked recessive disorder, diagnosed 3 years ago Difficulty swallowing Lives in area with fluoridated water Parents assist with brushing teeth, twice daily
Current Findings
Occlusal caries noted on tooth T Gingival swelling distal to tooth T

If the patient's father is unaffected and the mother is a carrier, what is the expected incidence of siblings NOT being phenotypically affected?

A. 12.5%
B. 25%
C. 50%
D. 75%
E. 100%

Key: D
CC04
FK?

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What poses the most prevalent risk of pathogen transmission in the dental office?

A. Aerosals
B. Dental instruments
C. Environmental surfaces
D. Hands

Key: D
CC51
FK?

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OSHA's bloodborne pathogen standard requires healthcare employers to do each of the following EXCEPT one. Which is the EXCEPTION?

A. Establish an exposure control plan.
B. Implement the use of standard precautions.
C. Make hepatitis C vaccinations available.
D. Provide personal protective equipment.

Key: C
CC44
FK?

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Patient

Male, 53 years old

Chief Complaint

“I don’t like the way I look. I want dentures.”

Background and/or Patient History

Cardiac bypass surgery, 3 years ago
Right hip replacement, 5 years ago
Prostate adenocarcinoma, 3 years ago
Anxiety and Depression
GERD
Post-cancer osteoporosis
Medications:
- alprazolam (Xanax®)
- bupropion (Wellbutrin®)
- clopidogrel (Plavix®)
- omeprazole (Prilosec®)
- simvastatin (Zocor®)
- zoledronic acid (Zometa®)

Has not seen a dentist in 25 years
Smoker (cigarettes), 30 pack-year history

Current Findings

Decayed and missing front teeth with periodontitis
Sensitivity to cold in upper posterior left quadrant
Xerostomia

Each of the following would be included in the treatment plan discussion EXCEPT one. Which is the EXCEPTION?

A. “Do you understand that you might have to go without teeth for a while?"
B. "The denture will allow you to chew much better than your natural teeth.“
C. "What do you expect your denture to do for you?“
D. "You will need to return for regular follow-ups after the first phase of treatment."

Key: B
CC38
FK?

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The most accurate predictor of financial stability during retirement is the:

A. ability to time the market gains and losses.
B. duration of time one has to invest.
C. formation of a defined benefit pension plan.
D. mix of stocks and bonds in one's portfolio.

Key: B
CC4
FK?

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Patient

Female, 59 years old

Chief Complaint

"I have many missing teeth and several more are loose. My mouth is also dry."

Background and/or Patient History

Hypertension
Medications:
aspirin 81 mg
hydrochlorothiazide/triamterene (Dyazide®)
Works in the shoe section of a department store

Current Findings

Height: 5' 9"
Weight: 140 lbs
BP: 123/78
New patient presents for an initial examination
Missing many teeth
Several remaining teeth exhibit class 1-2 mobility
Wants to save as many teeth as possible
Willing to consider upper and lower partial dentures
Intraoral examination reveals profound mucosal dryness
Manipulation of major salivary gland ducts fails to produce saliva

Each of the following is an appropriate patient management measure EXCEPT one. Which is the EXCEPTION?

A. Antibiotic premedication prior to surgical procedures
B. Respect for patient's autonomy
C. Referral to a dental specialist
D. Use of local anesthetic with epinephrine

Key: A
CC45
FK?

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