Questions for test preparation

1. What does the term “shadow” mean in conventional radiography? Describe how a “shadow” is produced on a radiograph.
2. What does the term “translucency” mean in conventional radiography? Explain how “translucency” appears on a radiograph.
3. What does the term “filling defect” mean in conventional radiography? Describe how a “filling defect” is produced on a radiograph.
4. What are limitations and disadvantages of extraoral radiography for the lower jaw?
5. Name the intraoral dental radiography techniques.
6. What are the indications for taking periapical dental radiographs?
7. What are the indications for taking occlusal (bitewing) dental radiograph?
8. What are the indications for taking interproximal dental radiographs?
9. List all diagnostic imaging modalities used for salivary glands examination and describe their capabilities in the diagnosis of salivary gland diseases.
10. What characteristic is used in Computed Tomography to describe shadow or tissue pattern?
11. What characteristic is used in MRI to describe shadow or tissue pattern?
12. What are the contraindications for MRI?
13. What characteristic is used in ultrasound scanning to describe shadow or tissue pattern?
14. What are the limitations of US scanning?
15. Classify dental caries based on the location of the lesions.
16. List the stages of dental caries development based on the depth of the tooth lesion.
17. Describe the radiographic appearance of the dental caries.
18. Which periodontal structures can be seen and evaluated on the intraoral dental radiographs?
19. What is the primary symptom used to assess of periodontal damage in periodontitis?
20. Define osteomyelitis, explain its routes of infection in dentistry, describe its radiological features, and list potential complications.
21. What is the role of OPG in diagnosing maxilla-facial trauma?
22. Develop an optimal diagnostic imaging algorithm for the patient with suspected mandibular fracture.
23. Develop an optimal diagnostic imaging algorithm for the patient with suspected orbital fracture.
24. Provide the WHO (international histological) classification of jaw cysts.
25. Describe the radiological features of a periapical cyst on a radiograph. Highlight the key signs used to differentiate it from a granuloma.
26. Describe the radiological features of the solitary bone cyst on a radiograph.
27. Describe the radiological features of the ameloblastoma.
28. Develop an optimal diagnostic imaging algorithm for the patient with suspected maxillary sinusitis.
29. Develop an optimal diagnostic imaging algorithm for the patient with squamous cell carcinoma of the maxillary sinus.
30. Develop an optimal diagnostic imaging algorithm for the patient with TMJ arthritis.