

DENTAL RADIATION CERTIFICATION

TOPIC B: Uses & Types of Dental X-Rays

1.	Radiation was discovered in by Wilhelm Conrad
2.	People who received x-radiation when it was first discovered died from the massive amounts of exposure.
	True False (circle one)
3.	The Federal Law requiring training in order to take x-rays was enacted in
4.	Digital x-rays were introduced in
5.	The benefits of dental x-rays do NOT outweigh the risk of the radiation. True False
6.	ALARA stands for and and
	refers to a concept whereby we agree to
7.	If we do a "clinical" exam, that means an exam without
8.	To "localize" a lesion means to
9.	What treatment might we be performing that would require taking x-rays throughout the procedure?
10.	What is a receptor?
11.	Intra-oral receptors are put the mouth, whereas extra-oral receptors rotate the
	head.
12.	The part of the x-ray machine that is attached to the wall is called the
13.	The Nomad is ax-ray head.
14.	The two most common intra-oral images are
15.	A BWX includes images and are typically taken at every appointment.
16.	The primary purpose for bitewing x-rays is to see decay (or caries).
17.	Peri means and apical is referring to the of the tooth (the tip of the root).
18.	A PA x-ray should show mm between the edge of the image and the tip of the root of the tooth.
19.	Radiolucent is a term referring the a part of an image that shows up and is NOT dense, and
	radiopaque is a term referring to a part of a tooth that is solid, such as shows up
20.	There are types of image receptors.
21.	Chemicals are not needed to process digital images. True False
22.	There are types of digital imaging:
	a. Electronic
	b

23.	The biggest advantage to using digital sensors is that you get an image.
24.	Most people believe that it is more challenging to place a sensor than to use film. True False
25.	An acceptable method for exposing digital images is to have the patient bite on the sensor instead of using a
	sensor holder. True False
26.	Phosphor plates are which makes it more comfortable than a sensor and is
27.	The phosphor plates are reusable. True False
28.	The biggest disadvantage to phosphor plates is that the image is (must be scanned).
29.	The biggest advantage to digital imaging is the reduction of the exposure which is%
	less than conventional film.
	a. More exposure time = image
	b. Less exposure time = image
30.	The quality of the, not the quality of the x-ray sensor, determines the quality of the
	dental image when using digital imaging.
31.	You can be violating laws if you send dental x-rays electronically without encrypting them.
32.	The only case where biting on the receptor is acceptable is for the technique though
	there is still a significant amount of distortion. This technique is commonly used on as it
	is easier than trying to place the receptor vertically in such a small mouth.
33.	A size film is used for adult occlusal x-rays, and a size film is used for a child occlusal image.
34.	The purpose of taking occlusal x-rays is to see
35.	It is common to get conecuts when taking adult occlusal x-rays. True False
36.	An FMX typically consists of images and is taken every years.
37.	We will be using a size receptor and taking images on all of your patient sets.
38.	A typical FMX consists of BWX and PAs.
39.	A pano and 4 BWX are common accepted as an FMX. True False
40.	The reason a panoramic x-ray historically has not been an accepted image to diagnose decay or dental disease is
	because New panoramic equipment is now of good
	enough quality to diagnose and and other dental issues.
41.	A cephalometric x-ray is a view of the head and is used almost exclusively in
42.	An tooth is one that is stuck and can't erupt properly into the oral cavity.
43.	The condyle is the part of the ramus of the mandible. The articular eminence is a depression in
	the bone.
44.	TMD stands for

45. The most common extra-oral x-ray is a ______ image.

- 46. Panoramic imaging is used most commonly in ______ and _____ and _____
- 47. The first step to preventing gagging is to NOT ______ gagging.
- 48. Be ______ when taking x-rays so as not to trigger gagging.

49. Other tricks to prevent gagging include:

- a. Have the patient focus ______ / think about something else
- b. Breathe through their _____
- c. ______ their leg (takes their mind off of the mouth)
- d. Gargle with ______ or _____
- e. LAST RESORT: dentist may have to ______ (numb) the patient
- 50. Exposure factors need to be ______ when taking x-rays on children.
- 51. The only thing you typically adjust on an x-ray control panel is the exposure ______.
- 52. An FMX on a child is the same 18 set as for an adult. True False
- 53. For edentulous patients (which means ______), we would increase / decrease (circle one) exposure time.
- 54. Reasons for taking x-rays of an edentulous patient include:
 - a. Detect the presence of ______, _____, teeth, and lesions
 - b. Identify ______ that may be embedded in the bone
 - c. To observe the ______ and _____ of the bone that is present
- 55. Taking x-rays during a root canal treatment can be challenging as you have to work around a rubber dam ______ and the root canal ______.
- 56. If your office doesn't have a panoramic machine but you need images of the wisdom teeth, you can use a technique called the ______ x-ray.

NEXT UP: Unit 2 Topic A: Physics & Characteristics of Radiation