

Carious Lesions

Powerpoint Vignette Project



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Dental Caries



Dental caries is used to describe the results of a localized chemical dissolution of the tooth surface caused by metabolic events taking place in the biofilm covering the affected area. The destruction can affect enamel, dentin and cementum.

TYPES OF CARRIES

1

Incipient

2

Moderate

3

Severe

4

Recurrent

5

Arrested

6

Rampant

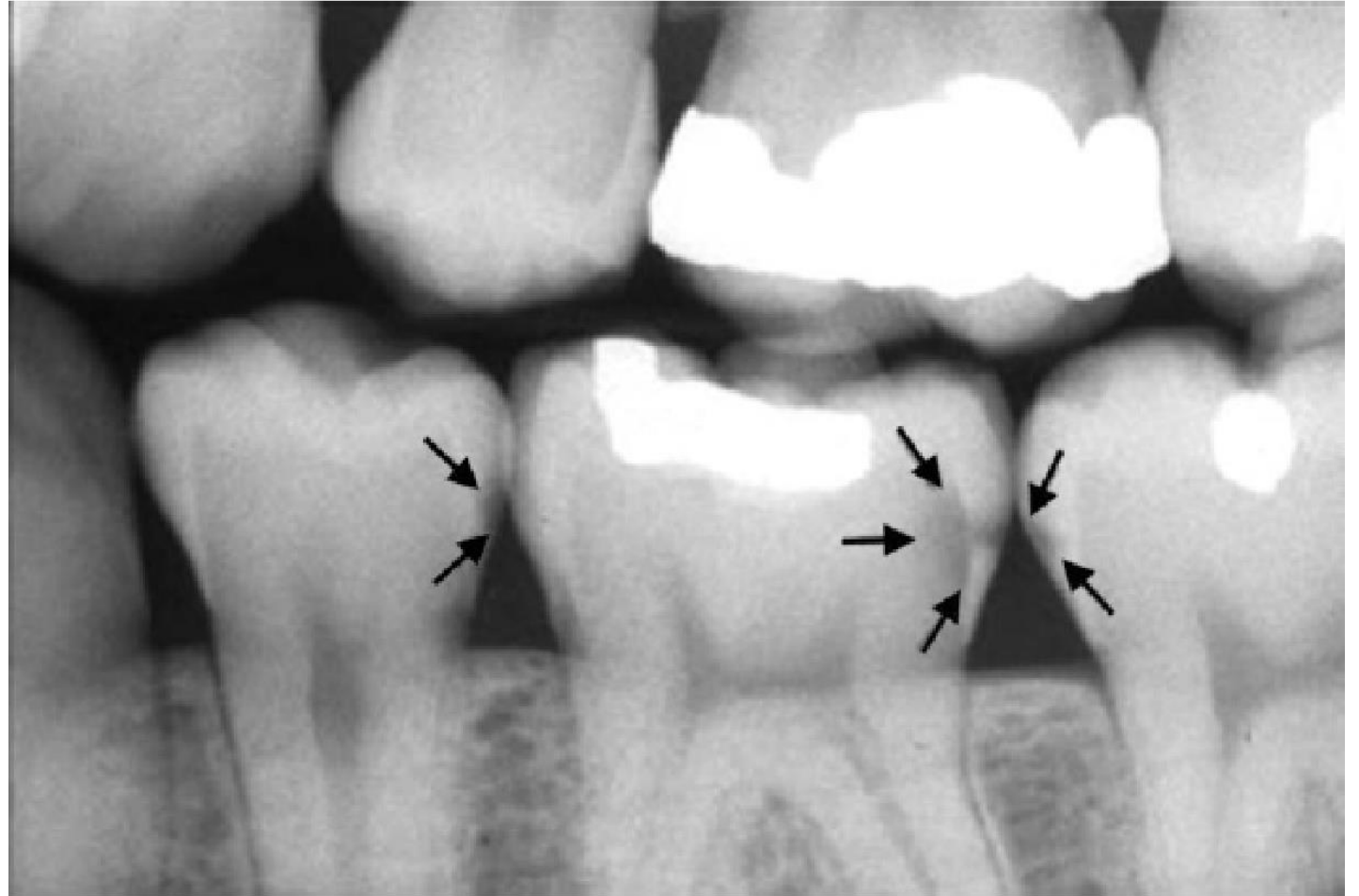
1

Incipient

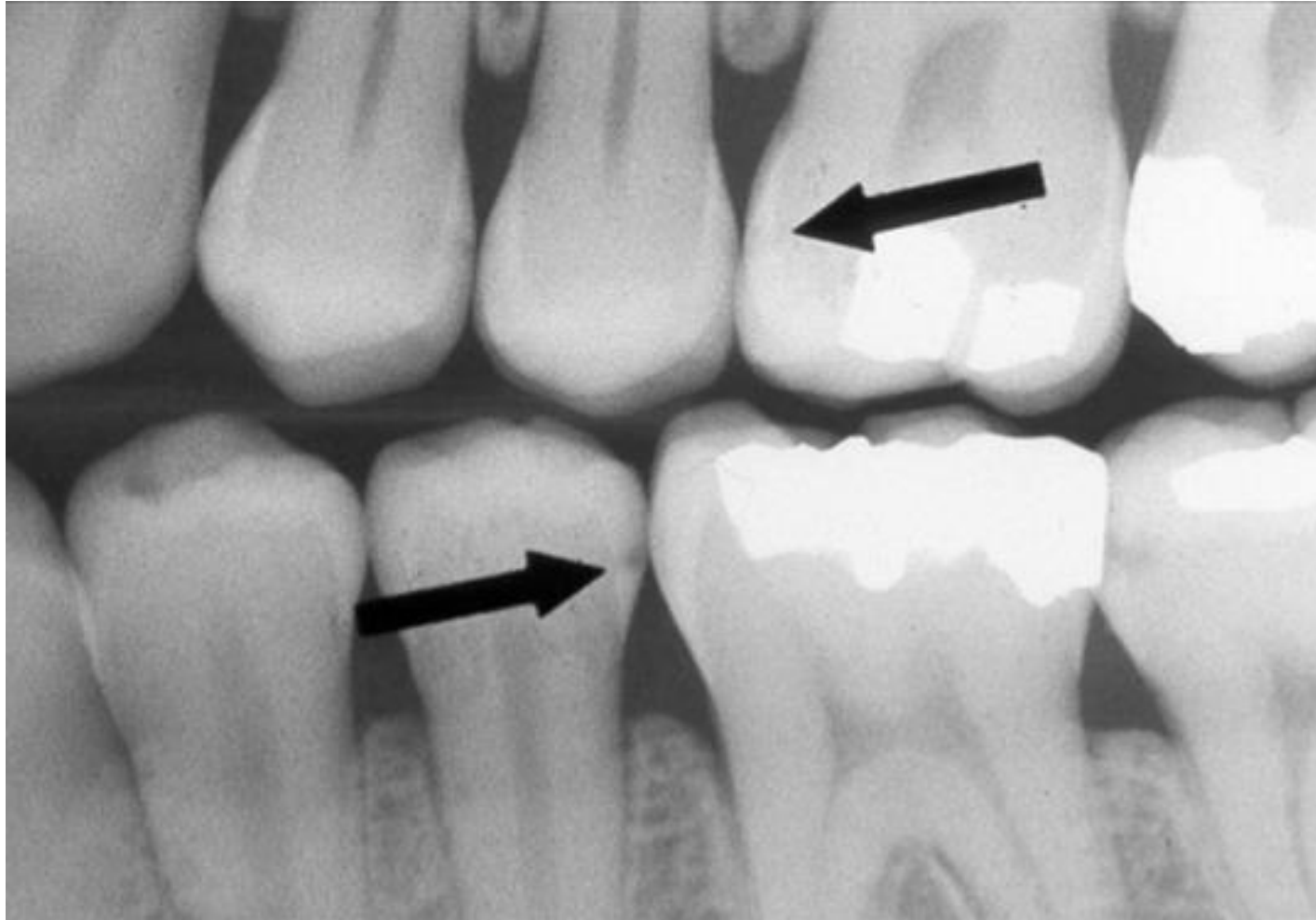


The word incipient means beginning to exist or appear. Also known as white-spot lesion.

Radiographically the caries seems to extend less than half the thickness of the enamel.



Langland, Olaf E., et al. *Textbook of Dental Radiology*



Langland, Olaf E., et al. *Textbook of Dental Radiology*

2

Moderate



In moderate interproximal caries, the caries extends more than halfway into the enamel, but does not involve the DEJ

Radiographically, the lesion may appear triangular, diffuse, or combination of the two types.

3

Severe

Severe interproximal caries has invaded through the thickness of the enamel and has penetrated more than halfway through the thickness of the dentin.



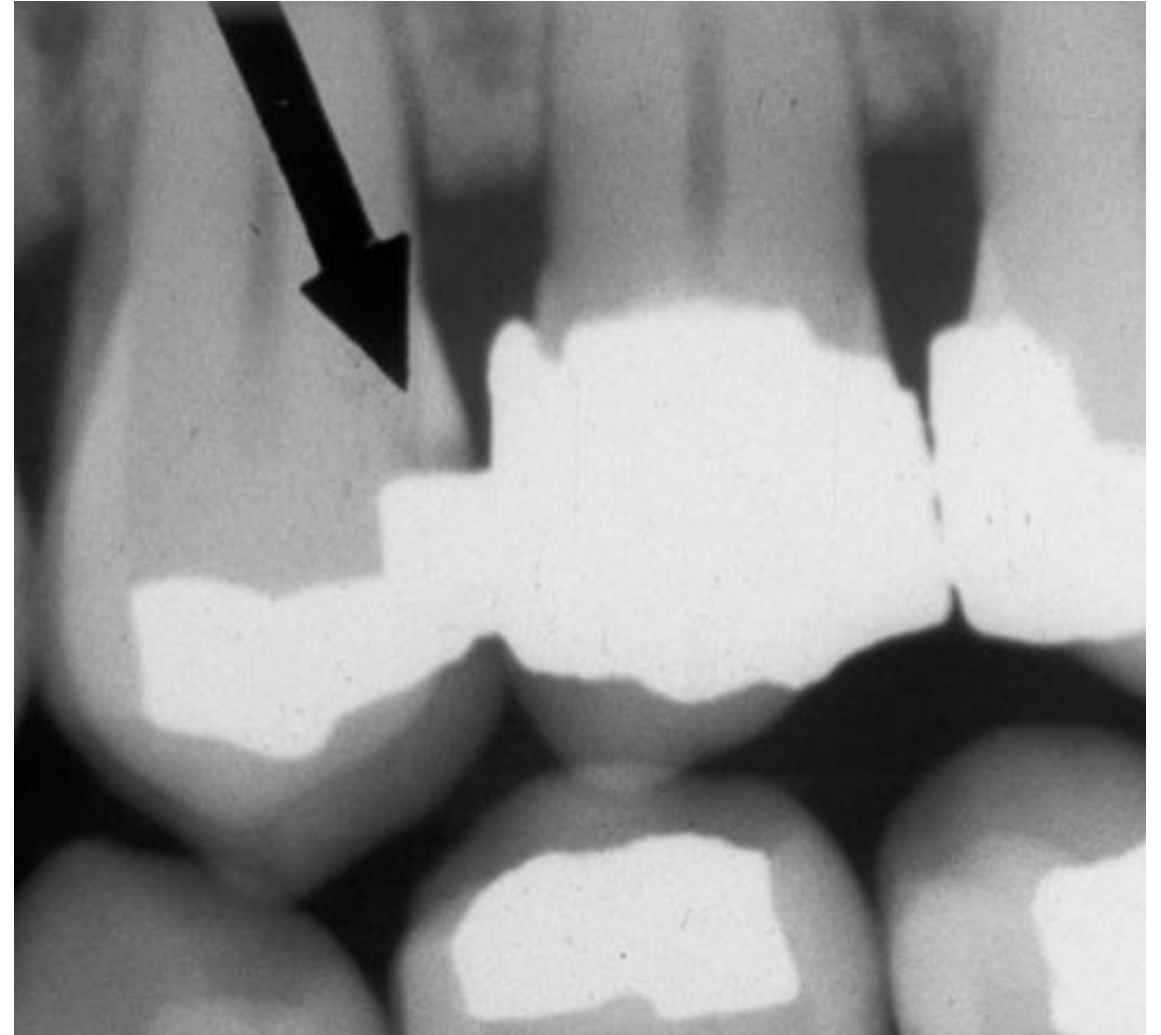
Langland, Olaf E., et al. *Textbook of Dental Radiology*

4

Recurrent

Recurrent Decay is secondary caries that occurs under a restoration or at the margins of a restoration.

Radiographically, it appears radiolucent below the restoration.



5

Arrested



Langland, Olaf E., et al. *Textbook of Dental Radiology*

Also known as Inactive/non-cavitated caries lesions.

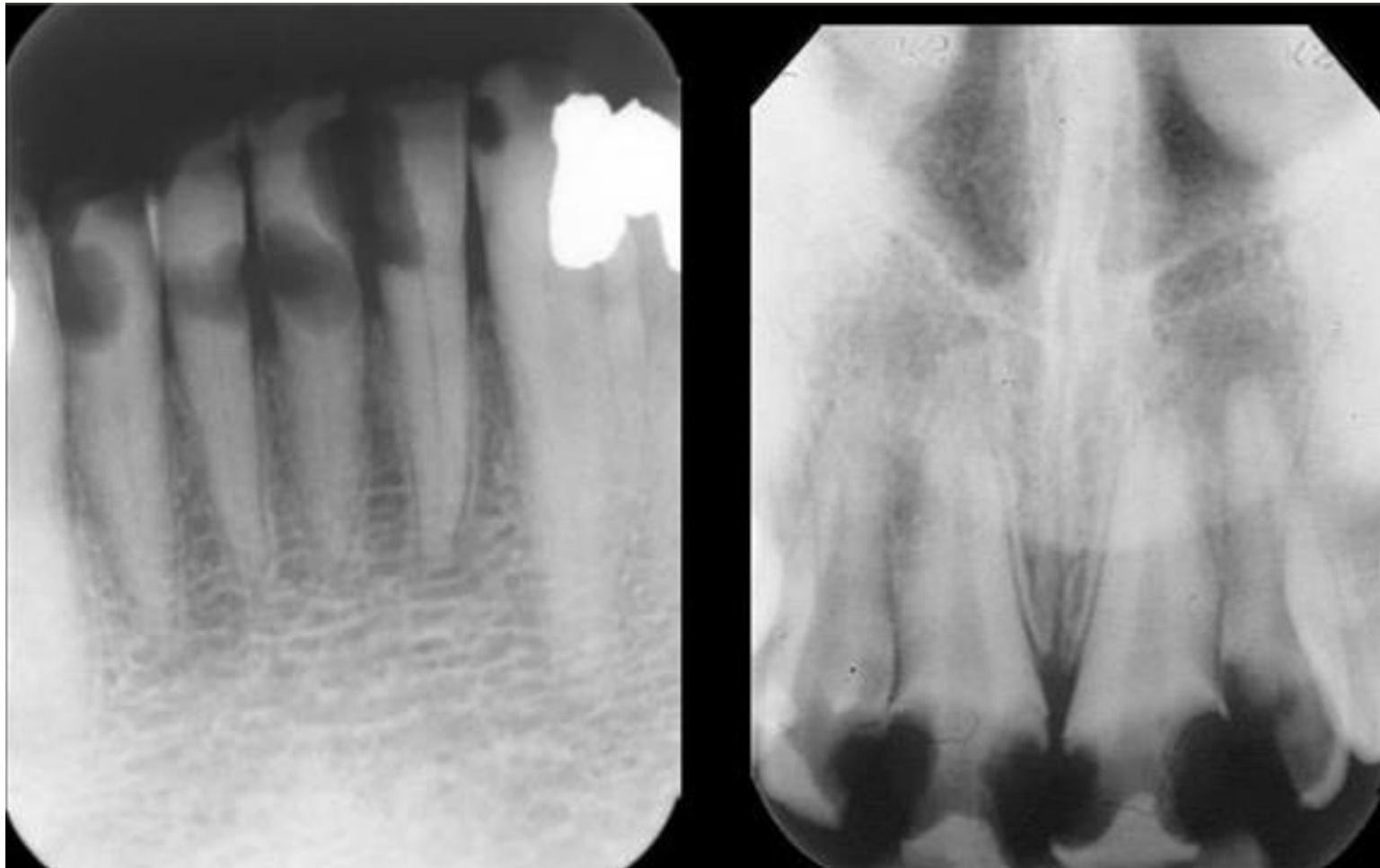
Arrested Caries is a carious lesion that becomes arrested, which means it is inactive or stopped.

6

Rampant

Rampant decay affects multiple teeth, spreads rapidly, and is considered to be severe caries.

Example: bottle or nursing caries, early childhood caries, radiation caries or drug-induced caries.



Langland, Olaf E., et al. *Textbook of Dental Radiology*



Bibliography



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Iannucci, Joen M., and Laura Jansen Howerton. *Dental Radiography: Principles and Techniques*. Elsevier/Saunders, 2017.



Pasler, Friedrich Anton., and Heiko Visser. *Pocket Atlas of Dental Radiology*. Thieme, 2007.



Langland, Olaf E., et al. *Textbook of Dental Radiology*, Charles C Thomas Pub Ltd , 1984, pp. 155–161.

The END!

THANK YOU