

# January 2022 Education

Clinical Practice Disease-Specific Guidelines  
**Late Effects of Radiation Injury (Subacute ORN)**



# Agenda

**SerenaGroup Clinical Guidelines  
Late Effects of Radiation Injury  
(Subacute ORN)**

- Definition
- Cause
- Treatment
- Risks
- Ordering Tests
- Appropriate Follow-Up
- Codes Related
- Quiz



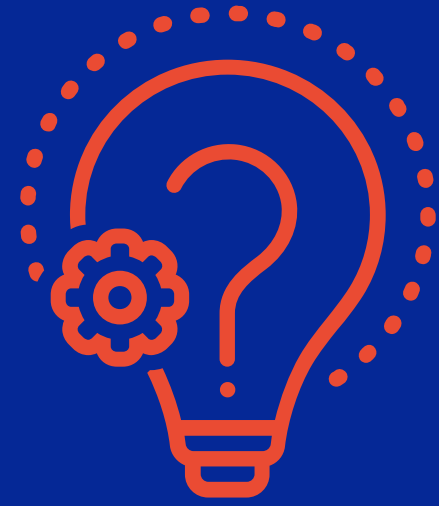
# Defination



After receiving radiation therapy, the bony tissue of the mandible and, less frequently, the maxilla thins, leading to osteoradionecrosis. Hyperbaric oxygen therapy (HBOT) is indicated in patients undergoing dental procedures who have had previous radiation to the head and neck.



# Cause



Radiation exposure to the head and neck causing progressive microvascular disease to the mandible:

- Pain, swelling
- Dental carries
- Dry mouth
- Difficulty swallowing



# Treatment



Hyperbaric oxygen therapy (HBOT) at 2.4 ATA for 90 minutes for a total of 20 treatments before dental extraction and 10 treatments post extraction.



# Risk Factors



- Pathologic fracture
- Loss of bony support of the jaw
- Need for major surgical intervention
- Disfigurement



# Order Tests



- MRI/X-Ray of the mandible



# Follow-up



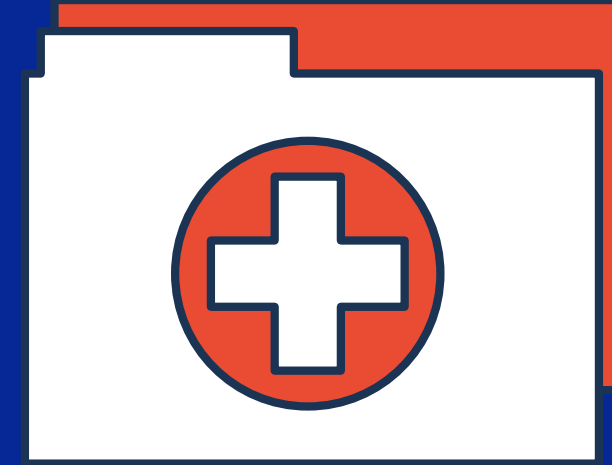
Demonstrate clinical improvement during HBOT

- Reduction in pain
- Improvement in quality of life





# Codes Related



- L59.8
- M27.2
- M27.8



# QUIZ TIME

LATE EFFECTS OF RADIATION INJURY  
(SUBACUTE ORN)

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# Question 1

Late Effects of Radiation Injury (Subacute ORN)

Hyperbaric oxygen therapy (HBOT) is indicated in patients undergoing dental procedures who have had previous radiation to the head and neck.

**FALSE**

**TRUE**



# Answer 1

Late Effects of Radiation Injury (Subacute ORN)

Hyperbaric oxygen therapy (HBOT) is indicated in patients undergoing dental procedures who have had previous radiation to the head and neck.



# Question 2

Late Effects of Radiation Injury (Subacute ORN)

Pain/swelling, dental carries, dry mouth, difficulty swallowing and abdominal pain are all symptoms are causes of radiation exposure.

**FALSE**

**TRUE**



# Answer 2

Late Effects of Radiation Injury (Subacute ORN)

Pain/swelling, dental carries, dry mouth, difficulty swallowing and **abdominal pain** are all symptoms are causes of radiation exposure.

Abdominal pain is  
NOT a symptom.

**FALSE**



# Question 3

Late Effects of Radition Injury (Subacute ORN)

Appropriate treatment is HBOT at 2.4 ATA for 90 minutes for a total of 20 treatments before dental extraction **AND** 10 treatments post extraction.

**FALSE**

**TRUE**



# Answer 3

Late Effects of Radiation Injury (Subacute ORN)

Appropriate treatment is HBOT at 2.4 ATA for 90 minutes for a total of 20 treatments before dental extraction **AND** 10 treatments post extraction.





# Question 4

Late Effects of Radiation Injury (Subacute ORN)

Recommended follow-up is for the patient to demonstrate clinical improvement during HBOT with a reduction in pain and improvement in quality of life.

**FALSE**

**TRUE**



# Answer 4

Late Effects of Radiation Injury (Subacute ORN)

Recommended follow-up is for the patient to demonstrate clinical improvement during HBOT with a reduction in pain and improvement in quality of life.



# Reference

To view the SerenaGroup Clinical Practice Disease-Specific Guidelines -- go to [www.serenagroupinc.com](http://www.serenagroupinc.com) in the Member's Portal



## **Evidence-Based Wound Care Practice Guidelines**

2nd Edition

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# Thank you!

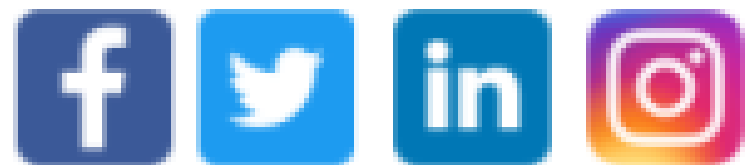
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Building the Nation's Leading Wound Care Team

