# LEY

## **Recommendations for Treating Oral Complications and Maintaining Oral Hygiene**

A guide for patients undergoing treatments for head and neck cancers



Head and neck cancers (HNCs) are one of the most common cancer types, with an annual incidence of 550,000 cases worldwide<sup>1</sup>

They are aggressive and progress rapidly, resulting in approximately 300,000 deaths annually<sup>1</sup>

Treatment modalities for mouth cancers, categorised under HNC, which may be used independently or in combination, include<sup>1</sup>:







Radiotherapy



Chemotherapy



However, treatments can lead to oral complications and difficulties in practicing oral hygiene<sup>1,2</sup>



Oral complications can further impair the patient's quality of life<sup>1,2</sup>



Therefore, an assessment by a dental professional is recommended to ensure optimal oral hygiene and minimise problems that may develop after cancer treatment<sup>1,2</sup>

Causes of oral complications following radiotherapy and/or chemotherapy<sup>1,2</sup>

Slow growth of cells in the oral tissues

Osteoradionecrosis or direct damage to the oral mucosa, salivary glands, and bones in the oral cavity



Slow healing of damaged tissues



**Disturbed oral** microbial populations



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### Common oral complications following cancer treatments<sup>1,2,3</sup>



Preventive measures prior to initiating chemotherapy and/or radiotherapy<sup>1,2,3</sup>

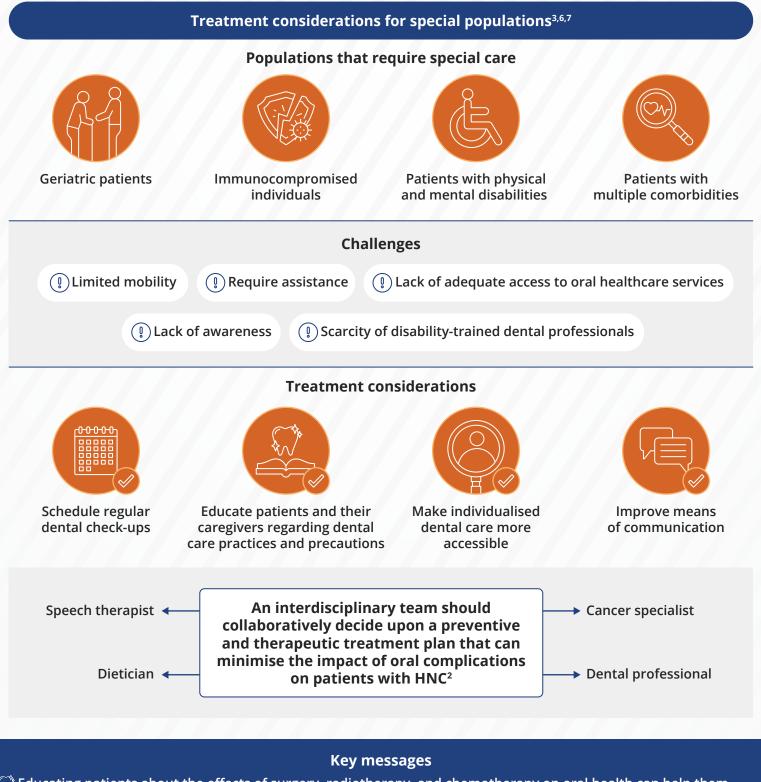


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### Oral care measures and treatment considerations<sup>1,2,3,4,5</sup>



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- $\mathbb{C}$  Educating patients about the effects of surgery, radiotherapy, and chemotherapy on oral health can help them adopt preventive measures
- $\Im$  Prophylactic treatments can help minimise the impact of all aspects of cancer treatment on oral health
- $\mathbb{N}$  The type and magnitude of oral complications must be taken into consideration while devising a treatment strategy

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