

Evidence Discussion (HD-30.2)

Dental/Peridontal/Maxillofacial Imaging

- CT is the radiologic modality for evaluating the bony anatomy of the head, acute and chronic inflammatory conditions, paranasal sinuses, pre-operative evaluation and follow up after surgery.^{1,2}
- Recommendations by the American Association of Endodontists and the American Academy of Oral and Maxillofacial Radiology support the use of cone beam CT (CBCT) as a supplemental imaging technique when conventional radiography fails to answer the clinical question and for surgical planning.^{3,2,4}

References

1. ACR-ASNR-SPR Practice Parameter for the Performance of Computed Tomography (CT) of the Extracranial Head and Neck Revised 2021. (Resolution 5). <https://www.acr.org/-/media/ACR/Files/PracticeParameters/CT-Head-Neck>
2. De Vos W, Casselman J, Swennen GRJ. Cone-beam computerized tomography (CBCT) imaging of the oral and maxillofacial region: A systematic review of the literature. *International Journal of Oral and Maxillofacial Surgery*. 2009;38(6):609-625. doi:10.1016/j.ijom.2009.02.028
3. Horner K, O'Malley L, Taylor K, Glenny A-M. Guidelines for clinical use of CBCT: a review. *Dentomaxillofacial Radiology*. 2015;44(1):20140225. doi:10.1259/dmfr.20140225
4. Kim IH, Singer SR, Mupparapu M. Review of cone beam computed tomography guidelines in North America. *Quintessence Int*. 2019 Jan 25;50(2):136-145. doi: 10.3290/j.qi.a41332