



Appendix 2 - Part 1 Selected Resources

TEXTBOOKS

1. Bushong. Radiologic Science for Technologists: Physics, Biology and Protection, 11th Edition. Mosby, 2016.
2. Bushberg, Seibert, Leidholdt, and Boone. The Essential Physics of Medical Imaging, 3rd Edition. Lippincott, 2011.
3. Curry, Dowdey and Murry. Christensen's Physics of Diagnostic Radiology, 4th Edition. Lippincott, 1990.
4. Huda. Review of Radiologic Physics, 4th edition. Lippincott Williams and Wilkins, 2016.
5. Mallya and Lam. White and Pharoah's Oral Radiology: Principles and Interpretation, 8th Edition. Elsevier, 2018.
6. Hall and Giaccia. Radiobiology for the Radiologist, 8th Edition. Lippincott, 2019.
7. Radiation Protection in Dentistry and Oral and Maxillofacial Imaging. NCRP Report No. 177. NCRP Press, 2019
8. Scarfe and Angelopoulos. Maxillofacial Cone Beam Computed Tomography: Principles, Techniques and Clinical Applications. Springer, 2018.

JOURNAL ARTICLES

Position Statements / Reports

1. Position statement of the American Academy of Oral and Maxillofacial Radiology on selection criteria for the use of radiology in dental implantology with emphasis on cone beam computed tomography. Tyndall DA, Price JB, Tetradis S, Ganz SD, Hildebolt C, Scarfe WC; American Academy of Oral and Maxillofacial Radiology. Oral Surg Oral Med Oral Pathol Oral Radiol. 2012 Jun;113(6):817-26.
2. Clinical recommendations regarding use of cone beam computed tomography in orthodontics. [corrected]. Position statement by the American Academy of Oral and Maxillofacial Radiology. Oral Surg Oral Med Oral Pathol Oral Radiol. 2013 Aug;116(2):238-57. Erratum in: Oral Surg Oral Med Oral Pathol Oral Radiol. 2013 Nov;116(5):661.
3. AAE and AAOMR Joint Position Statement: Use of Cone Beam Computed Tomography in Endodontics 2015 Update. Oral Surg Oral Med Oral Pathol Oral Radiol. 2015 Oct;120(4):508-12.
4. American Academy of Oral and Maxillofacial Radiology executive opinion statement on teleradiology. Yang J, Angelopoulos C, Mallya S, Liang H, Deahl T, Ganguly R, Ramesh A, Parashar V, Williamson G, Cederberg R. Oral Surg Oral Med Oral Pathol Oral Radiol. 2016 Oct;122(4):509-10.
5. American Academy of Oral and Maxillofacial Radiology executive opinion statement on performing and interpreting diagnostic cone beam computed tomography. Carter L, Farman AG, Geist J, Scarfe WC, Angelopoulos C, Nair MK, Hildebolt CF, Tyndall D, Shrout M; American Academy of Oral and Maxillofacial Radiology. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2008 Oct;106(4):561-2.
6. Mallya SM, Ahmad M, Cohen JR, Kaspo G, Ramesh A. Recommendations for imaging of the temporomandibular joint. Position statement from the American Academy of Oral and Maxillofacial Radiology and the American Academy of Orofacial Pain. Oral Surg Oral Med Oral Pathol Oral Radiol. 2022 Nov;134(5):639-648.



7. American Association of Physicists in Medicine. The report of AAPM Task Group 175: Acceptance Testing and Quality Control of Dental Imaging Equipment 2016 Available at: https://www.aapm.org/pubs/reports/RPT_175.pdf
8. Weyh AM, Dolan JM, Busby EM, Smith SE, Parsons ME, Norse AB, Godwin SA, Salman SO. Validated image ordering guidelines for odontogenic infections. *Int J Oral Maxillofac Surg*. 2021 May;50(5):627-634.

Physics

1. Pauwels R, Araki K, Siewerdsen JH, Thongvigitmanee SS. Technical aspects of dental CBCT: state of the art. *Dento Maxillo Facial Radiology*. 2015 ;44(1):20140224.
2. ICRP; Rehani MM, Gupta R, Bartling S, Sharp GC, Pauwels R, Berris T, Boone JM. Radiological Protection in Cone Beam Computed Tomography (CBCT). ICRP Publication 129. *Ann ICRP*. 2015 Jul;44(1):9-127.
3. Mol A, Yoon DC. Guide to Digital Radiographic Imaging. *J Calif Dent Assoc*. 2015 Sep;43(9):503-11. PMID: 26820007.
4. Molteni R. The way we were (and how we got here): fifty years of technology changes in dental and maxillofacial radiology. *Dentomaxillofac Radiol*. 2021 Jan 1;50(1):20200133.
5. Schulze R, Heil U, Gross D, Bruellmann DD, Dranischnikow E, Schwanecke U, Schoemer E. Artefacts in CBCT: a review. *Dentomaxillofac Radiol*. 2011 Jul;40(5):265-73.
6. Leblans P, Vandenbroucke D, Willems P. Storage Phosphors for Medical Imaging. *Materials (Basel)*. 2011 Jun 9;4(6):1034-1086.
7. Mah P, Buchanan A, Reeves TE. The importance of the ANSI ADA Standard for digital intraoral radiographic systems-a pragmatic approach to quality assurance. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2023 Jan;135(1):117-128.

Radiation Measurement, Risk, Radiation Biology and Protection

1. Shatskiy I. Effective doses and Radiation Risks from Common Dental Radiographic, Panoramic and CBCT examinations. *Radiat Prot Dosimetry*. 2021 Oct 12;195(3-4):296-305.
2. Lurie AG. Doses, Benefits, Safety, and Risks in Oral and Maxillofacial Diagnostic Imaging. *Health Phys*. 2019 Feb;116(2):163-169.
3. Pauwels R. Cone beam CT for dental and maxillofacial imaging: dose matters. *Radiat Prot Dosimetry*. 2015 Jul;165(1-4):156-61.
4. Pauwels R, Beinsberger J, Collaert B, Theodorakou C, Rogers J, Walker A, Cockmartin L, Bosmans H, Jacobs R, Bogaerts R, Horner K; SEDENTEXCT Project Consortium. Effective dose range for dental cone beam computed tomography scanners. *Eur J Radiol*. 2012 Feb;81(2):267-71.
5. ICRP; Rehani MM, Gupta R, Bartling S, Sharp GC, Pauwels R, Berris T, Boone JM. Radiological Protection in Cone Beam Computed Tomography (CBCT). ICRP Publication 129. *Ann ICRP*. 2015 Jul;44(1):9-127.

