

1. **What is the name of the universal file format for 3-dimensional medical imaging?**
  - a. TIFF
  - b. JPEG
  - c. STL
  - d. DICOM
2. **Which of the following statements is true: Compared to a helical CT machine, the CBCT:**
  - a. exposes the patient to a similar amount of radiation
  - b. provides a better image when metal is present
  - c. is larger as a machine but weighs approximately the same
  - d. can only be used for dental purposes
3. **Compared to helical CT, the CBCT is more accurate in:**
  - a. identifying mandibular condyle abnormalities
  - b. identifying the inferior alveolar nerve
  - c. locating the maxillary sinus
  - d. all of the above
4. **What important structure(s) can be precisely located by using CBCT technology when planning an implant placement?**
  - a. inferior alveolar nerve
  - b. maxillary sinus
  - c. mental foramen
  - d. all of the above
5. **The radiation produced when using CBCT technology depends on:**
  - a. the machine being used
  - b. the mA and kVp settings used
  - c. the size of the patient
6. **CBCT technology allows the imaging of:**
  - a. skeletal and soft tissues
  - b. muscles
  - c. arteries and veins
  - d. brain tissue
7. **Radiation Exposure from a CBCT machine has been reported to be between**
  - a. 150  $\mu$ Sv - 2600  $\mu$ Sv
  - b. 650  $\mu$ Sv - 6000  $\mu$ Sv
  - c. 45  $\mu$ Sv - 650  $\mu$ Sv
8. **Soft-tissue colour images are currently best captured with:**
  - a. CBCT technology
  - b. Stereo-photogrammetry and laser scanning
  - c. Conventional CT
  - d. All of the above
9. **Impacted maxillary cuspids have been reported to be distributed as:**
  - a. 15% palatal and 85% buccal
  - b. 25% palatal and 75% buccal
  - c. 85% palatal and 15% buccal
10. **When compared with helical CT, CBCT imaging of the temporomandibular joint showed:**
  - a. Less sensitivity and accuracy in the identification of mandibular condyle abnormalities
  - b. Higher diagnostic quality and lower patient radiation exposure
  - c. None of the above

***The clear choice for straighter teeth!***



***In-Line®*, the favourably priced alternative from Germany!**

For further information please contact:  
**Dental Studio - Traute Hinrichs**  
8 Horak Avenue - Camps Bay  
Cape Town 8005  
[www.in-line.eu](http://www.in-line.eu) - [traute@in-line.eu](mailto:traute@in-line.eu)

» ***In-Line®*** splints correct the position of the teeth without compromising the appearance of the patient.

» ***In-Line®*** splints have a continuous effect on the teeth ensuring a smooth movement to the required position.