

CBCT Consent Form

A CBCT scan, also known as a Cone Beam Computed Tomography, is an x-ray technique that produces 3 D images of your skull that allows visualization of internal bony structures in cross-section rather than as overlapping images typically produced by conventional x-ray exams. CBCT scans are primarily used to visualize bony structures, such as teeth and your jaws, not soft tissue such as your tongue or lips. Advantages of a CBCT scan over conventional x-rays: A conventional x-ray of your mouth limits your dentist to a two-dimensional or 2D visualization. Diagnosis and treatment planning can require a more complete understanding of complex three-dimensional or 3D anatomy. Advantages of CBCT scans include but not limited to

- A) Higher accuracy when planning implant and other surgeries
- B) Greater chance for diagnosing conditions such as vertical root fractures and endodontic pathology that can be missed on conventional x-rays
- C) Greater chance of providing images and information which may result in the patient avoiding unnecessary, and sometimes invasive, dental treatment
- D) Better diagnosis of third molar (wisdom teeth) positioning in proximity to vital structures such as nerves and blood vessels prior to removal
- E) The CBCT scan enhances your dentist's ability to see what needs to be done before treatment is started.
- F) Enhanced patient safety, more predictable outcomes, less discomfort, and faster treatments.

Radiation: CBCT scans, like conventional x-rays, expose you to radiation. The amount of radiation you will be exposed to is the equivalent to what you would receive from several days of normal background environmental radiation. The dose of radiation used is carefully controlled to ensure the smallest possible amount is used that will still give a useful result. However, all radiation is linked with a slightly higher risk of developing cancer (3 in 1,000,000). But the advantages of a CBCT scan outweigh this disadvantage.

Pregnancy: Women who are pregnant should not undergo a CBCT scan due to the potential danger to fetus. Please tell the dentist if you are pregnant or are planning to become pregnant.

Diagnosis of non-dental conditions: While part of your anatomy beyond your mouth and jaw may be evident from the scan, your dentist may not be qualified to diagnose conditions that may be present in those areas. If any abnormalities, asymmetries, or common pathologic conditions are noted upon the CBCT scan, it may become necessary to send the scan to an Oral and Maxillofacial Radiologist for further diagnosis. If this occurs, this will be completed at additional charge to you.

I certify that I have read the above statement. I understand the procedure to be used and its benefits, risks, and alternatives. I acknowledge that I had a full opportunity to discuss the matter with my dentist. All my questions have been answered. I therefore give my consent to have a CBCT completed by Dlight Dental.

Patient (Guardian) signature

patient (Guardian) print name

date

