

CBCT CONSENT
BETHESDA SEDATION DENTISTRY
301-530-2434

A CBCT scan, also known as Cone Beam Computer Tomography, is an x-ray technique that produces 3D 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 gums.

Advantages of a CBCT scan of 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. CBCT scans include:

- A.) Higher accuracy when planning implant surgery.
- B.) Greater chance for diagnosing conditions such as vertical root fractures that can be missed on conventional x-rays.
- C.) Greater chance of providing images and information which may result in the patient avoiding unnecessary 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.

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 for several days in the sun. At the office of Bethesda Sedation Dentistry the dose of radiation used for CBCT examinations is carefully controlled to ensure the smallest possible amount is used that will still give a useful result. However, all radiation exposure is linked with a slightly higher risk of developing cancer. But the advantages of CBCT scan outweigh this disadvantage.

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

Diagnosis or 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 no additional charge to you.

PLEASE DO NOT SIGN THIS FORM UNLESS YOU HAVE READ IT, UNDERSTAND IT AND AGREE TO ACCEPT THE RISKS AND ADVANTAGES NOTED

I, _____ being 18 years or older, 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 referring dentist. All my questions have been answered. I therefore give my consent to have a CBCT completed by the office of Bethesda Sedation Dentistry.

Signature of patient, or legal guardian _____ Date _____

Witness to Signature _____ Date _____