

INFORMED CONSENT: CONE BEAM CT SCAN

- 1. A CBCT scan, also known as Cone Beam Computerized 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.
- 2. 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. CBCT examinations provide a wealth of 3D information which may be used when planning for dental implants, surgical extractions, maxillofacial surgery, and advanced dental restorative procedures. Benefits of CBCT scans include: A. Higher accuracy when planning implant placement surgery; B. Greater chance for diagnosing conditions such as vertical root fractures that can be missed on conventional x-ray films; 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 the dentist's ability to diagnose conditions before treatment is started.
- 3. 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 in the sun. At the office of Dr. Larsen, 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 the CBCT scan outweigh this disadvantage.
- 4. 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.
- 5. Diagnosis of non-dental conditions:** While parts 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, we will discuss this option with you as well as the fee for the additional diagnosis and referral.
- 6. You have the rights to a copy of your CBCT Scan:** In some cases we may recommend that you consider a more detailed reading and/or interpretation of your scan by a board certified radiologist. We will charge a nominal fee for the copy, but additional costs for the reading/interpretation are the patient's responsibility.

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

I certify that I have read the above statements. I understand the procedure to be used and its benefits, risks, and alternatives. I acknowledge that I have had a full opportunity to discuss the matter with Dr. Larsen. I have been given the opportunity to have my questions answered, and accept the risks of the CBCT scanning procedure as described above. I therefore give my consent to have Dr. Larsen and his staff as may be designated, perform a CBCT scan.

Signature of Patient, or Legal Guardian _____ Date _____

Witness to Signature _____ Date _____