

Patient Name: \_\_\_\_\_

**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 tooth and jaw 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 the most predictable outcome for your tooth. Benefits of CBCT scans include: A. Higher accuracy when locating micro-canals; 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. The CBCT scan enhances the endodontist's ability to see what needs to be done before treatment is started.

3. Radiation: CBCT scans, like conventional x-rays, expose you to radiation. The amount of radiation you are exposed to is similar to several days in the sun. At The Endodontic Studio, 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. The dosage per scan is equivalent to 2 regular dental x-rays.

Exposure:

Panoramic: 7.43 s, 49.5 mGy.cm<sup>2</sup>

Exp	Lv	Spd
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A	2	HS
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Cone Beam Computerized Tomography (CT)

9.40s, 106.8 mGy.cm<sup>2</sup>

Exp	KV	MA	Res
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DR	100	5max	SD
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4. Pregnancy: Women who are pregnant should minimize exposure to all unnecessary radiation. 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, we 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. However, by signing this form, you are acknowledging that we may not be qualified to diagnose all conditions that may be present, and that his/her liability only extends to the limits of the dental purpose of the scan and its interpretation for that purpose.

6. The fee for the CBCT is \$475.00 and is likely not a covered insurance benefit.

A discounted rate of **\$265 for the CBCT** is charged. We will require a CBCT but more common presentations that do require a 3D scan are teeth that have previously had root canal therapy, abnormal root morphology as evidenced by conventional radiographs, suspicion of a fracture or not able to obtain conventional radiographs.

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 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 for The Endodontic Studio to perform a CBCT scan.

Signature of Patient, or Legal Guardian \_\_\_\_\_ Date: \_\_\_\_\_

Witness to Signature \_\_\_\_\_ Date: \_\_\_\_\_