



South Calgary Oral & Maxillofacial Surgery

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DIAGNOSTIC IMAGING CONSENT

A CBCT scan, also known as Cone Beam Computerized Tomography, is an x-ray technique that produces 3D images of your oral & maxillofacial regions. CBCT scans are primarily used to visualize bony structures such as your teeth and jaws; not soft tissue such as your tongue or gums.

Advantages of a CBCT Scan over conventional x-rays: A conventional x-ray of your mouth limits your surgeon to a two-dimensional or 2D visualization, known as a Panorex. 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 as well as diagnosis and treatment of pathology related findings. The CBCT scan enhances your surgeon's ability to see what needs to be done before treatment is initiated.

Radiation Risks: CBCT scans, like conventional x-rays, expose you to radiation. All radiation exposure is linked with a slightly higher risk of developing cancer. But the advantages of the CBCT scan can outweigh this disadvantage. By comparison, the CBCT is only a fraction as much as an equivalent medical CT Scan. Risk is minimized by the use of a highly collimated x-ray beam, the latest technology in X-ray detectors and the use of lead aprons.

Pregnancy: Women who are pregnant should not undergo diagnostic imaging or radiographs due to the potential danger to the fetus. Please inform SCOMS personnel if you are pregnant, planning to become pregnant, or are unsure if you could be pregnant.

Pediatric patients: Because children are more sensitive to radiation, their exposure should be very limited. Diagnostic imaging such as radiographs and CBCT scans in children should always be performed with low-dose technique, a guideline strictly followed by SCOMS and its personnel.

Diagnosis of conditions: While parts of your anatomy beyond your mouth and jaw may be evident from the scan, this may not be your surgeon's area of expertise. If any abnormalities, asymmetries or pathologic conditions are noted upon the CBCT scan, it may become necessary to forward the scan to an Oral and Maxillofacial Radiologist or Medical Radiologist for further diagnosis, or further imaging.

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

- I certify that I have read the above statement
- I understand the procedure to be used including its benefits and risks.
- I therefore give my consent to have South Calgary Oral and Maxillofacial Surgery, and their personnel as they may designate, perform radiograph(s) (X rays) and/or CBCT scan(s).