

# CBCT Imaging Protocol for Patient Scanning Surgical Guides

As practitioners work to meet the growing demand for implants, cone beam computed tomography (CBCT) is an essential tool for treatment planning and post-procedure monitoring. By providing highly accurate 3D images of the patient's anatomy from a single, low-radiation scan, CBCT technology delivers a comprehensive understanding of the patient's jaw and the anatomical structures necessary to provide proper treatment.

## Step 1



Educate the patient about the details of the procedure, then place cotton rolls (without radiopaque material) to separate the cheeks and tongue from the teeth and dental alveolar. It is preferred to extend the cotton rolls to the opposing side.

## Step 2



To achieve better tooth supported surgical guides, separate the upper and lower teeth. Next, insert a bite wax and instruct patient to bite down gently to ensure the teeth are adequately separated and stable during the scan.

## Step 3



Once the patient is positioned appropriately in the scanner, the patient must hold still and refrain from movements caused by swallowing or moving their tongue.

## Step 4



Take the scout radiograph to ensure the area of interest is included within your selected field of view (be sure to include the entire arch)—then you may proceed to take the scan.



**CinZara**  
THE CENTER FOR GUIDED SURGERY

3144 John R Road, Suite 100A • Troy, MI 48083  
248-740-7770 • Toll-Free 855-361-3335 • [info@cinzara.com](mailto:info@cinzara.com)  
[www.cinzara.com](http://www.cinzara.com)