Cone beam CT

PATIENT INFORMATION SHEET DEN01

Your appointment:

Date: .....

Time: .....

Location: .....

Please see our website for more clinic details.

Duration of examination

15 minutes

Patient preparation

There is generally no preparation required for a cone beam CT scan. Any preparation will be discussed when making your appointment.

Please bring with you:

- Your request form
- Medicare and any
- Healthcare cards

Payment on the day of the examination is requested.

For more information regarding Benson Radiology please visit:

bensonradiology.com.au

What is cone beam CT?

Cone beam CT (CBCT) uses a cone-shaped beam and digital processing to reconstruct a virtually distortion-free 3-D image of the patient's complete skull or dental anatomy in a single pass.

The 3-D information obtained from a CBCT scan offers the potential of enhanced diagnosis and better understanding of potential oral surgeries, implant planning, temporomandibular joint analyses, airway studies related to sleep apnoea, impacted teeth, periodontal diseases, and endodontic anomalies to name just a few.

The scans can be used to assess bone quality, which is essential to evaluate if there is a sufficient amount of bone for implant placement, and utilised to quickly identify the size and location of a lesion.

Benefits of cone beam CT scan

There are many benefits for patients undergoing a CT scan. Compared to regular X-rays, CBCT scans can better differentiate between many types of tissue. This includes bone, teeth, the inferior alveolar nerve canal, and limited soft tissue. This increases the likelihood that practitioners will correctly identify pathology.

Because fewer images are needed for diagnosis – often just a single scan will provide accurate diagnostic information. Patients can be properly diagnosed, triaged, and treated the first time. This reduces treatment ambiguity.

What will happen during the examination?

Prior to being placed in the scanner you will be asked to remove all jewellery and piercings from around the head area, as these can show up on the images.

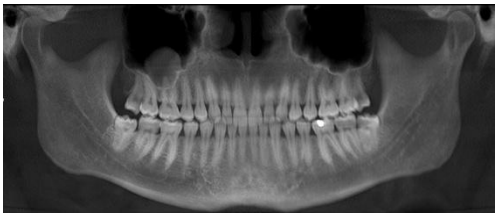
You will then be positioned in the machine.

You will be asked to remain as still as possible during the scan.

Part of the scanner will rotate around you, capturing data using a cone-shaped X-ray beam. The entire process takes approximately 15 minutes.

The data is then used to reconstruct a 3-D image of your dental anatomy.





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