

# CBCT Scan Protocol

## Edentulous

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### Edentulous Protocol

This document outlines the recommendations for obtaining a CBCT scan that will be appropriate for planning and ordering an All at Once® Implant Bridge and guides.

This protocol is used for patients who have complete dentures.

#### Scanning requirements

Denture being Replaced	Upper Denture Scan	Lower Denture Scan	Dentures in Patient Scan
Upper Denture	Yes	No	Yes
Lower Denture	No	Yes	Yes
Both Dentures	Yes	Yes	Yes

#### Denture Preparation:

- Reline dentures with tissue conditioner so that they are well fitting and patient occlusion is correct
- Adjust denture so occlusion is stable
- Make PVS bite registration wafer (Keep bite registration wafer for surgery)
- Place 4 markers on each denture on the lingual/palatal side

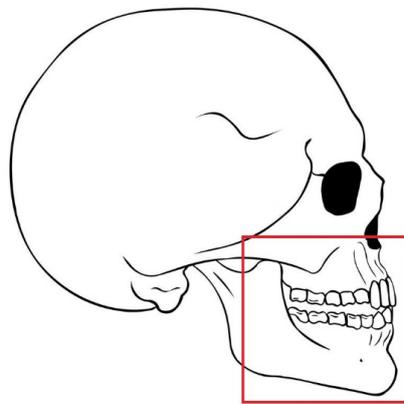
#### Patient Preparation:

- Remove any earrings, jewellery, hairclips etc
- Place dentures in patient and ensure bite is correct using bite registration wafer
- Scan field is entire denture with maxilla and mandible
- Reconstructed slice increment - No more than 0.25mm



- Voxel Size – No more than 0.25mm
- Export – DICOM
- Format – Uncompressed Axial images

**Minimum Field of View:**



**Note** – ensure there is no

movement artefact

**Denture Scan:**

- Scan denture/s on their own, i.e. one at a time
- Place on radiolucent platform, e.g. sponge
- Set CBCT for machine to maximum resolution and scan time
- Reduce dose as low as possible, e.g. small child setting
- Scan field is for entire denture
- Export – DICOM
- Format – Uncompressed Axial images

**All scans are required by AuDentes**

