

CBCT REFERRAL GUIDE

Cone Beam Computed Tomography (CBCT) Indications

Supporting General Practitioners, Dentists, Orthodontists, Oral & Maxillofacial Surgeons, Endodontists, Periodontists and ENT Specialists

CBCT provides high-resolution three-dimensional imaging of the maxillofacial region with significantly lower radiation exposure than conventional medical CT for dental and maxillofacial applications. CBCT is particularly valuable for evaluating teeth, jaws, temporomandibular joints (TMJ), facial structures, airways and paranasal sinuses.

GENERAL PRACTITIONER (GP) REFERRAL INDICATIONS

Jaw & Facial Pain

Common Indications

- Chronic jaw pain
 - TMJ dysfunction
 - Jaw clicking or locking
 - Limited mouth opening
 - Facial asymmetry
 - Unexplained facial pain
 - Facial swelling
 - Suspected mandibular pathology
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Dental & Oral Pathology

Common Indications

- Persistent dental pain
 - Recurrent dental infections
 - Suspected dental abscess
 - Impacted wisdom teeth
 - Delayed tooth eruption
 - Jaw cysts
 - Odontogenic pathology
 - Unexplained oral symptoms
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ENT & Sinus Conditions

Common Indications

- Chronic sinusitis
 - Recurrent sinus infections
 - Facial pressure
 - Maxillary sinus pathology
 - Sinonasal anatomical assessment
 - Oro-antral communication
 - Persistent facial pain
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Sleep & Airway Assessment

Common Indications

- Suspected obstructive sleep apnoea

- Snoring assessment
 - Airway narrowing
 - Orthodontic airway evaluation
 - Pre-specialist referral assessment
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Trauma

Common Indications

- Facial trauma
 - Dental trauma
 - Mandibular injury
 - Suspected facial fractures
 - Dentoalveolar injury
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Pre-Specialist Assessment

Common Indications

- Oral & Maxillofacial Surgery referral
 - Orthodontic referral
 - ENT referral
 - Implant planning referral
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DENTAL IMPLANT PLANNING

Common Indications

- Single tooth implant planning
- Multiple implant planning

- Full arch implant planning
 - All-on-4 and All-on-X planning
 - Bone volume assessment
 - Bone density evaluation
 - Implant site measurements
 - Inferior alveolar nerve localisation
 - Maxillary sinus assessment
 - Guided implant surgery planning
 - Post-implant assessment
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THIRD MOLAR (WISDOM TOOTH) ASSESSMENT

Common Indications

- Impacted wisdom teeth
 - Inferior alveolar nerve assessment
 - Surgical extraction planning
 - Root morphology assessment
 - Ectopic wisdom teeth
 - Complex impactions
 - Post-operative complications
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ORTHODONTICS

Common Indications

- Impacted canines

- Impacted teeth
 - Supernumerary teeth
 - Delayed eruption
 - Skeletal assessment
 - Orthognathic treatment planning
 - Airway assessment
 - Root resorption assessment
 - Alveolar bone assessment
 - Temporary anchorage device (TAD) planning
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ENDODONTICS

Common Indications

- Failed root canal treatment
- Persistent dental pain
- Vertical root fractures
- Root resorption
- Internal root resorption
- External root resorption
- Periapical pathology
- Complex root canal anatomy
- Missed canals
- Calcified canals
- Apical surgery planning

- Cracked tooth syndrome
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PERIODONTICS

Common Indications

- Periodontal bone loss
 - Furcation involvement
 - Osseous defects
 - Regenerative treatment planning
 - Implant-related periodontal assessment
 - Periodontal surgery planning
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ORAL SURGERY

Common Indications

- Surgical extraction planning
 - Impacted teeth
 - Jaw pathology
 - Cysts
 - Benign tumours
 - Osteomyelitis
 - Osteonecrosis of the jaw
 - Surgical navigation planning
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ORTHOGNATHIC SURGERY

Common Indications

- Jaw asymmetry
 - Skeletal malocclusion
 - Maxillary advancement planning
 - Mandibular advancement planning
 - Orthognathic surgery planning
 - Surgical simulation
 - Airway assessment
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TEMPOROMANDIBULAR JOINT (TMJ)

Common Indications

- TMJ pain
 - Jaw clicking
 - Jaw locking
 - Restricted mouth opening
 - Degenerative joint disease
 - Condylar abnormalities
 - TMJ trauma
 - Ankylosis
 - Surgical planning
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MAXILLOFACIAL TRAUMA

Common Indications

- Facial fractures
 - Mandibular fractures
 - Maxillary fractures
 - Zygomatic fractures
 - Orbital floor fractures
 - Dental trauma
 - Tooth displacement
 - Root fractures
 - Follow-up imaging
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PATHOLOGY ASSESSMENT

Common Indications

- Odontogenic cysts
- Non-odontogenic cysts
- Jaw lesions
- Benign tumours
- Fibro-osseous lesions
- Impacted teeth with associated pathology
- Osteomyelitis
- Osteonecrosis

- Lesion extent assessment
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AIRWAY ANALYSIS

Common Indications

- Obstructive sleep apnoea assessment
 - Airway narrowing
 - Orthodontic treatment planning
 - Orthognathic surgery planning
 - ENT assessment
 - Snoring assessment
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SINUS ASSESSMENT

Common Indications

- Chronic sinusitis
 - Recurrent sinus infections
 - Maxillary sinus pathology
 - Sinonasal anatomical assessment
 - Sinus floor evaluation
 - Oro-antral communication
 - Sinus augmentation planning
 - ENT referral assessment
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PAEDIATRIC DENTISTRY

Common Indications

- Delayed eruption
 - Impacted teeth
 - Supernumerary teeth
 - Developmental abnormalities
 - Craniofacial abnormalities
 - Dental trauma
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CLEFT & CRANIOFACIAL ASSESSMENT

Common Indications

- Cleft lip and palate
 - Craniofacial abnormalities
 - Surgical planning
 - Orthodontic treatment planning
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COMMON REFERRERS TO CBCT

General Practitioners

- TMJ disorders • Facial pain • Chronic sinus symptoms • Sleep apnoea assessment • Dental pathology • Facial trauma

Dentists

- Implant planning • Wisdom teeth • Endodontic assessment • Pathology assessment

Orthodontists

• Impacted canines • Skeletal assessment • Airway assessment

Oral & Maxillofacial Surgeons

• Surgery planning • Trauma • Pathology • TMJ disorders

Endodontists

• Root fractures • Failed root canal treatment • Complex canal anatomy

Periodontists

• Bone defects • Implant planning

ENT Specialists

• Chronic sinusitis • Sinonasal assessment • Airway analysis

HIGHEST-VOLUME CBCT REFERRALS

1. Dental Implant Planning
2. Wisdom Tooth Assessment
3. Impacted Canines
4. Failed Root Canal Treatment
5. Root Fracture Assessment
6. TMJ Disorders
7. Airway & Sleep Apnoea Assessment
8. Orthodontic Planning
9. Chronic Sinus Disease
10. Jaw Pathology Investigation
11. Facial Trauma

WHY REFER CBCT TO RRD IMAGING CARSELDINE?

- ✓ Same-Day Appointments Available*
 - ✓ Competitive Independent Clinic Pricing
 - ✓ Low Out-of-Pocket Costs
 - ✓ Fast Report Turnaround
 - ✓ Dedicated Dental & Maxillofacial Reporting
 - ✓ Online Image & Report Access
 - ✓ Convenient North Brisbane Location
 - ✓ Referrer Portal Access
 - ✓ Direct Communication with Reporting Clinicians
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RRD IMAGING CARSELDINE

Advanced Dental, Maxillofacial & Airway Imaging

OPG | CBCT | MRI | CT | Ultrasound | Mammography | DEXA/BMD | X-Ray

Supporting GPs, Dentists, Orthodontists, Oral Surgeons, Endodontists, Periodontists and ENT Specialists Across North Brisbane

Fast Access. Competitive Pricing. Trusted Results.