

CT REFERRAL GUIDE

Comprehensive CT Indications for Referrers

Supporting General Practitioners, Specialists, Emergency Physicians, Surgeons, Oncologists, Cardiologists, Respiratory Physicians, Urologists, Gastroenterologists, Orthopaedic Surgeons and Allied Health Providers

Computed Tomography (CT) is a fast, highly accurate cross-sectional imaging modality that is often the first-line investigation for trauma, acute abdominal pain, chest pathology, vascular disease, oncology staging and many emergency presentations.

CT BRAIN

Neurological Indications

Acute Neurological Symptoms

- Suspected stroke
 - Transient ischaemic attack (TIA)
 - Acute neurological deficit
 - Altered conscious state
 - Confusion
 - Delirium
 - Sudden weakness
 - Facial droop
 - Speech disturbance
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Trauma

- Head injury

- Falls
 - Motor vehicle accidents
 - Loss of consciousness
 - Suspected skull fracture
 - Intracranial haemorrhage
 - Post-traumatic assessment
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Other Brain Indications

- New onset seizure
 - Hydrocephalus
 - Brain tumour assessment
 - Metastatic disease
 - Persistent headache with red flag symptoms
 - Ventricular shunt assessment
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CT FACIAL BONES

Common Indications

- Facial trauma
- Orbital fractures
- Nasal fractures
- Maxillary fractures
- Mandibular fractures
- Zygomatic fractures

- Surgical planning
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CT ORBITS

Common Indications

- Orbital trauma
 - Foreign body
 - Orbital tumour
 - Proptosis
 - Visual symptoms
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CT SINUSES

Common Indications

- Chronic sinusitis
 - Recurrent sinus infections
 - Facial pain
 - Nasal obstruction
 - Polyps
 - ENT surgical planning
 - Sinonasal disease
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CT TEMPORAL BONES

Common Indications

- Chronic ear disease

- Cholesteatoma
 - Hearing loss
 - Temporal bone trauma
 - Surgical planning
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CT CERVICAL SPINE

Common Indications

- Trauma
 - Fracture assessment
 - Degenerative disease
 - Spinal stenosis
 - Post-operative assessment
 - Hardware evaluation
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CT THORACIC SPINE

Common Indications

- Trauma
 - Compression fractures
 - Metastatic disease
 - Degenerative disease
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CT LUMBAR SPINE

Common Indications

- Trauma
 - Vertebral fractures
 - Degenerative disease
 - Facet arthropathy
 - Surgical planning
 - Hardware assessment
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CT CHEST

Respiratory Indications

- Pulmonary nodules
 - Lung cancer assessment
 - Chronic cough
 - Haemoptysis
 - Shortness of breath
 - Interstitial lung disease
 - Pulmonary fibrosis
 - Emphysema
 - Bronchiectasis
 - Pleural disease
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Oncology

- Cancer staging
 - Metastatic disease
 - Treatment response
 - Surveillance imaging
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Trauma

- Chest trauma
 - Rib fractures
 - Pulmonary contusions
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LOW-DOSE CT LUNG SCREENING

Common Indications

- Current smokers
 - Former smokers
 - High-risk lung cancer screening
 - Lung nodule surveillance
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CT PULMONARY ANGIOGRAM (CTPA)

Common Indications

- Suspected pulmonary embolism
- Elevated D-dimer
- Acute shortness of breath

- Pleuritic chest pain
 - Unexplained hypoxia
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CT CORONARY CALCIUM SCORE

Common Indications

- Cardiovascular risk assessment
 - Family history of coronary artery disease
 - Preventative health screening
 - Intermediate cardiovascular risk
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CT CORONARY ANGIOGRAPHY (CTCA)

Common Indications

- Chest pain
 - Suspected coronary artery disease
 - Intermediate-risk cardiac symptoms
 - Coronary anomaly assessment
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CT ABDOMEN

Common Indications

Acute Abdominal Pain

- Appendicitis
- Diverticulitis
- Bowel obstruction

- Perforation
 - Colitis
 - Abdominal abscess
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Hepatobiliary Disease

- Liver lesions
 - Hepatic metastases
 - Biliary obstruction
 - Pancreatitis
 - Pancreatic mass
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Oncology

- Cancer staging
 - Metastatic disease
 - Surveillance imaging
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CT ABDOMEN & PELVIS

Common Indications

- Abdominal pain
- Pelvic pain
- Weight loss
- Unexplained anaemia
- Suspected malignancy
- Bowel pathology

- Inflammatory bowel disease
 - Oncology staging
 - Trauma
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CT PELVIS

Common Indications

- Pelvic mass
 - Pelvic pain
 - Gynaecological pathology
 - Trauma
 - Oncology assessment
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CT KUB (KIDNEYS, URETERS & BLADDER)

Common Indications

- Renal colic
 - Flank pain
 - Kidney stones
 - Ureteric stones
 - Haematuria
 - Urinary obstruction
 - Stone surveillance
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CT UROGRAM

Common Indications

- Haematuria
 - Urothelial malignancy
 - Urinary tract abnormalities
 - Recurrent urinary tract infections
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CT ANGIOGRAPHY

Head & Neck CTA

Common Indications

- Stroke
 - TIA
 - Carotid stenosis
 - Aneurysm
 - Vascular malformation
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Aortic CTA

Common Indications

- Aortic aneurysm
 - Aortic dissection
 - Aortic surveillance
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Peripheral CTA

Common Indications

- Claudication
 - Peripheral vascular disease
 - Arterial occlusion
 - Critical limb ischaemia
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CT MUSCULOSKELETAL

Shoulder

- Complex fractures
 - Arthroplasty planning
 - Trauma
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Elbow

- Fracture assessment
 - Surgical planning
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Wrist & Hand

- Occult fractures
 - Complex fractures
 - Surgical planning
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Hip

- Trauma

- Fractures
 - Arthroplasty planning
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Knee

- Complex fractures
 - Surgical planning
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Foot & Ankle

- Trauma
 - Fractures
 - Surgical planning
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CT ONCOLOGY

Common Indications

- Initial cancer diagnosis
 - Local staging
 - Metastatic assessment
 - Treatment planning
 - Treatment response assessment
 - Disease surveillance
 - Recurrence assessment
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CT-GUIDED PROCEDURES

Common Indications

- Biopsy
 - Drainage
 - Aspiration
 - Tumour sampling
 - Interventional planning
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TRAUMA CT

Common Indications

- Polytrauma
 - Motor vehicle accidents
 - Falls
 - Internal injury assessment
 - Organ injury
 - Major fractures
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COMMON GP CT REFERRALS

Neurology

- Head injury
- Stroke symptoms
- Persistent headache with red flags

Respiratory

- Pulmonary nodules
- Chronic cough
- Haemoptysis

Gastrointestinal

- Abdominal pain
- Diverticulitis
- Appendicitis

Urology

- Renal colic
- Haematuria

Cardiovascular

- Coronary calcium scoring
 - CT coronary angiography
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RED FLAG CT INDICATIONS

- Suspected stroke
- Intracranial haemorrhage
- Pulmonary embolism
- Aortic dissection
- Acute appendicitis
- Bowel obstruction
- Bowel perforation

- Major trauma
 - Acute renal colic
 - Severe unexplained abdominal pain
 - Critical limb ischaemia
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HIGHEST-VOLUME CT REFERRALS

1. CT KUB (Renal Stones)
 2. CT Abdomen & Pelvis
 3. CT Chest
 4. CT Brain
 5. CT Sinuses
 6. Low-Dose CT Lung Screening
 7. CT Coronary Calcium Score
 8. CT Coronary Angiography (CTCA)
 9. CT Pulmonary Angiography (CTPA)
 10. Oncology Staging CT
 11. CT Facial Bones
 12. CT Angiography
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WHY REFER CT TO RRD IMAGING CARSELDINE?

- ✓ Same-Day & Next-Day Appointments Available*
- ✓ Competitive Independent Clinic Pricing
- ✓ Low-Gap CT Services

- ✓ Fast Report Turnaround
 - ✓ Online Referrer Portal Access
 - ✓ Convenient North Brisbane Location
 - ✓ Experienced Radiologists
 - ✓ Rapid Communication of Urgent Findings
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RRD IMAGING CARSELDINE

Comprehensive CT Services

Brain | Chest | Abdomen | Pelvis | Coronary | Lung Screening | Angiography | Oncology | Trauma

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

Supporting GPs, Specialists and Allied Health Providers Across North Brisbane

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