

# ULTRASOUND REFERRAL GUIDE

## Comprehensive Ultrasound Indications for Referrers

**Supporting General Practitioners, Specialists, Surgeons, Women's Health Practitioners, Sports Physicians, Physiotherapists, Podiatrists and Allied Health Providers**

Ultrasound is a safe, non-invasive, real-time imaging modality that provides excellent assessment of soft tissues, abdominal organs, vascular structures, musculoskeletal conditions, pregnancy and women's health conditions.

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## ABDOMINAL ULTRASOUND

### Liver

#### Common Indications

- Abnormal liver function tests (LFTs)
  - Fatty liver disease
  - Hepatomegaly
  - Cirrhosis
  - Chronic liver disease
  - Liver lesions
  - Hepatic cysts
  - Hepatic metastases
  - Portal hypertension
  - Ascites
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# **Gallbladder & Biliary System**

## **Common Indications**

- Right upper quadrant pain
  - Suspected gallstones
  - Biliary colic
  - Cholecystitis
  - Jaundice
  - Abnormal liver function tests
  - Dilated bile ducts
  - Biliary obstruction
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# **Pancreas**

## **Common Indications**

- Pancreatitis
  - Pancreatic cysts
  - Pancreatic mass
  - Upper abdominal pain
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# **Spleen**

## **Common Indications**

- Splenomegaly
  - Trauma
  - Haematological disorders
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## **Kidneys & Urinary Tract**

### **Common Indications**

- Haematuria
  - Flank pain
  - Renal stones
  - Hydronephrosis
  - Recurrent urinary tract infections
  - Renal cysts
  - Renal masses
  - Chronic kidney disease
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## **Aorta**

### **Common Indications**

- Abdominal aortic aneurysm screening
  - Pulsatile abdominal mass
  - Follow-up aneurysm surveillance
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## **PELVIC ULTRASOUND**

### **Female Pelvis**

#### **Common Indications**

- Pelvic pain
- Menorrhagia
- Abnormal uterine bleeding

- Postmenopausal bleeding
  - Dysmenorrhoea
  - Fibroids
  - Endometriosis
  - Adenomyosis
  - Ovarian cysts
  - Adnexal masses
  - Polycystic ovarian syndrome (PCOS)
  - Fertility assessment
  - Intrauterine device (IUD) localisation
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## **TRANSVAGINAL ULTRASOUND**

### **Common Indications**

- Pelvic pain
  - Early pregnancy assessment
  - Ectopic pregnancy exclusion
  - Vaginal bleeding
  - Fertility investigations
  - Endometrial assessment
  - Ovarian pathology
  - Endometriosis
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# OBSTETRIC ULTRASOUND

## First Trimester

### Common Indications

- Pregnancy dating
  - Viability assessment
  - Vaginal bleeding
  - Pelvic pain
  - Suspected miscarriage
  - Suspected ectopic pregnancy
  - Multiple pregnancy assessment
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## Nuchal Translucency Scan

### Common Indications

- First trimester screening
  - Chromosomal risk assessment
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## Second Trimester Morphology

### Common Indications

- Fetal anatomy assessment
  - Congenital anomaly screening
  - Placental assessment
  - Cervical length assessment
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## **Third Trimester**

### **Common Indications**

- Fetal growth assessment
  - Reduced fetal movements
  - Placental localisation
  - Amniotic fluid assessment
  - Doppler assessment
  - High-risk pregnancy surveillance
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## **BREAST ULTRASOUND**

### **Common Indications**

- Breast lump
  - Breast pain
  - Abnormal mammogram
  - Dense breasts
  - Breast infection
  - Abscess
  - Implant assessment
  - Axillary lump
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## **THYROID ULTRASOUND**

### **Common Indications**

- Thyroid nodule

- Thyroid enlargement
  - Goitre
  - Thyroid dysfunction
  - Thyroid cancer assessment
  - Surveillance of thyroid nodules
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## **NECK ULTRASOUND**

### **Common Indications**

- Neck lump
  - Lymphadenopathy
  - Salivary gland pathology
  - Soft tissue masses
  - Neck swelling
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## **TESTICULAR / SCROTAL ULTRASOUND**

### **Common Indications**

- Testicular pain
- Testicular lump
- Varicocele
- Hydrocele
- Infertility
- Torsion assessment
- Epididymitis

- Trauma
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## **PROSTATE / URINARY TRACT ULTRASOUND**

### **Common Indications**

- Lower urinary tract symptoms
  - Urinary retention
  - Elevated PSA
  - Prostate enlargement
  - Post-void residual assessment
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## **VASCULAR ULTRASOUND**

### **Carotid Doppler**

#### **Common Indications**

- TIA
  - Stroke
  - Carotid bruit
  - Cardiovascular risk assessment
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### **Venous Doppler**

#### **Common Indications**

- Suspected DVT
- Leg swelling
- Calf pain

- Venous insufficiency
  - Varicose veins
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## **Arterial Doppler**

### **Common Indications**

- Claudication
  - Peripheral vascular disease
  - Limb ischaemia
  - Diabetes-related vascular disease
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## **Aortic Doppler**

### **Common Indications**

- Aneurysm surveillance
  - Vascular disease
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# **MUSCULOSKELETAL ULTRASOUND**

## **Shoulder**

### **Common Indications**

- Rotator cuff pathology
  - Bursitis
  - Tendinopathy
  - Impingement syndrome
  - Frozen shoulder
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## **Elbow**

### **Common Indications**

- Tennis elbow
  - Golfer's elbow
  - Tendon injuries
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## **Wrist & Hand**

### **Common Indications**

- Ganglion cyst
  - Tendon injury
  - Carpal tunnel syndrome
  - Soft tissue masses
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## **Hip**

### **Common Indications**

- Gluteal tendinopathy
  - Bursitis
  - Hip pain
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## **Knee**

### **Common Indications**

- Effusion
- Baker's cyst
- Tendon injury

- Soft tissue masses
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## **Ankle & Foot**

### **Common Indications**

- Achilles tendinopathy
  - Achilles rupture
  - Plantar fasciitis
  - Ligament injury
  - Morton's neuroma
  - Soft tissue masses
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## **SOFT TISSUE ULTRASOUND**

### **Common Indications**

- Palpable lump
  - Lipoma
  - Cyst
  - Abscess
  - Haematoma
  - Foreign body localisation
  - Soft tissue mass assessment
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# PAEDIATRIC ULTRASOUND

## Common Indications

### Hips

- Developmental dysplasia of the hip (DDH)

### Abdomen

- Pyloric stenosis
- Intussusception

### Neck

- Congenital neck masses

### Testes

- Undescended testes
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# INTERVENTIONAL ULTRASOUND

## Common Indications

- Fine needle aspiration (FNA)
  - Core biopsy
  - Thyroid biopsy
  - Breast biopsy
  - Soft tissue biopsy
  - Fluid aspiration
  - Joint aspiration
  - Injection guidance
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# MEN'S HEALTH ULTRASOUND

## Common Indications

- Infertility assessment
  - Varicocele
  - Testicular lump
  - Prostate enlargement
  - Lower urinary tract symptoms
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# WOMEN'S HEALTH ULTRASOUND

## Common Indications

- Pelvic pain
  - Abnormal bleeding
  - Infertility
  - Ovarian cysts
  - Fibroids
  - Endometriosis
  - Pregnancy assessment
  - Breast symptoms
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# HIGHEST-VOLUME GP ULTRASOUND REFERRALS

1. Abdominal ultrasound (pain, gallstones)
2. Pelvic ultrasound

3. Obstetric ultrasound
  4. Breast ultrasound
  5. Thyroid ultrasound
  6. Testicular ultrasound
  7. DVT ultrasound
  8. Carotid Doppler
  9. Shoulder ultrasound
  10. Soft tissue lump ultrasound
  11. Renal tract ultrasound
  12. Aortic aneurysm screening
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## **RED FLAG ULTRASOUND INDICATIONS**

- Suspected ectopic pregnancy
  - Testicular torsion
  - Suspected DVT
  - Acute cholecystitis
  - Abdominal aortic aneurysm
  - Acute urinary obstruction
  - Suspicious breast lump
  - Suspicious thyroid nodule
  - Significant vaginal bleeding in pregnancy
  - Reduced fetal movements
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# WHY REFER ULTRASOUND TO RRD IMAGING CARSELDINE?

- ✓ Same-Day Appointments Available\*
  - ✓ Women's Imaging Expertise
  - ✓ Musculoskeletal Ultrasound Services
  - ✓ Vascular Ultrasound Services
  - ✓ Competitive Independent Clinic Pricing
  - ✓ Low-Gap and Bulk-Billed Options Available
  - ✓ Fast Report Turnaround
  - ✓ Online Referrer Portal Access
  - ✓ Convenient North Brisbane Location
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## RRD IMAGING CARSELDINE

### Comprehensive Ultrasound Services

General | Women's Health | Obstetric | Vascular | Musculoskeletal | Interventional

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

### Supporting GPs, Specialists and Allied Health Providers Across North Brisbane

**Fast Access. Expert Imaging. Trusted Results.**