# US ORDERING GUIDE

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ABDOMINAL ULTRASOUND

EXAM CODE: IMG524 – US ABDOMEN

Complete Abdomen Includes: Aorta, Pancreas, CBD, Liver, Gallbladder, Spleen, Kidneys, IVC.

INDICATIONS:
- Abdominal Pain
- Abnormal Lab Tests
- Follow up of Abnormal Imaging Study
- Nausea and Vomiting
- Evaluate congenital abnormalities
- Hepatomegaly
- Post-op Complications
- Pre-op
- Splenomegaly
- Palpable Mass
- Abdominal Trauma

PATIENT PREPARATION:
- NPO for 6 hours prior to scan

TOTAL EXAM TIME:
- 30-50 minutes

NOTE:
- Individual organs or quadrants are ordered using the abdomen limited code – IMG2416
LIMITED ABDOMINAL ULTRASOUND

EXAM CODE: IMG2416 – US ABDOMEN LIMITED

Limited Abdomen Includes: Any single abdominal organ or quadrant specified by the ordering physician.

RUQ US includes: Gallbladder, Liver, Pancreas, CBD and Limited Right Kidney

INDICATIONS:
- RUQ Pain
- Splenomegaly
- Hepatomegaly
- Palpable Mass
- Abnormal LFT’s
- Follow up other imaging
- Evaluate Ascites
- Abdominal Trauma

PATIENT PREPARATION:
- NPO for 6 hours prior to scan

TOTAL EXAM TIME:
- 15 – 30 Minutes

NOTE:
- Please specify organ/s of interest or RUQ.
CHEST ULTRASOUND

EXAM CODE:

IMG2175 – US CHEST

INDICATIONS:
• Palpable abnormality of chest

PATIENT PREPARATION:
• None

TOTAL EXAM TIME:
• 10 minutes
EXTREMITY NON-VASCULAR ULTRASOUND

EXAM CODE: 

IMG2181 – US EXTREMITY NON-VASCULAR RIGHT 

IMG2180 – US EXTREMITY NON-VASCULAR LEFT

Ultrasound of any extremity for abnormalities not related to blood vessels.

INDICATIONS:

- Abscess
- Baker’s cyst
- Follow up of Abnormal Imaging Study
- Palpable abnormality
- Hematoma
- Lipoma

PATIENT PREPARATION:

- None

TOTAL EXAM TIME:

- 15-20 minutes

NOTE:

- If abnormality is not palpable or obvious, please mark or specify exact location to be evaluated.
FETAL BIOPHYSICAL ULTRASOUND

EXAM CODE:

IMG540 – US FETAL BIOPHYSICAL PROFILE

INDICATIONS:
- To assess fetal well-being in the third trimester

PATIENT PREPARATION:
- Light meal or juice prior to scan if approved by ordering physician.

PROCEDURE:
- Baby is observed for no more than 30 minutes
- 4 parameters are assessed and scored 0 or 2
  - Fetal tone
  - Fetal movement
  - Fetal breathing movements
  - Amniotic Fluid Volume

TOTAL EXAM TIME:
- 30 minutes maximum

NOTE: If dates or EFW is desired, a limited OB ultrasound (IMG536) will also need to be ordered.
EARLY OBSTETRICAL ULTRASOUND

EXAM CODE:

IMG2195 – US OB <14 WKS W/TRANSVAGINAL

IMG530 – US OB <14 WKS SINGLE OR FIRST GESTATION

IMG538 – US OB TRANSVAGINAL

Evaluation of pregnancy up through 14 weeks. Most early pregnancy ultrasound is done transabdominally and transvaginally until about 10 weeks at which time the transvaginal exam is eliminated.

EVALUATION OF:
- Size & Dates
- Viability
- Placental location
- Vaginal Bleeding
- Pain
- Other specified by ordering Physician

PATIENT PREPARATION:
- Full bladder

TOTAL EXAM TIME:
- 30 - 45 minutes

NOTE:
- Please specify exactly what information is requested from this exam.
- Early pregnancy US will include evaluation of uterus and ovaries if visualization is possible.
- Please specify if physician requests only transvaginal IMG538 or only transabdominal IMG530.
OB COMPLETE ULTRASOUND

EXAM CODE: 

IMG534 – US OB COMPLETE

All-inclusive Fetal Anatomic Survey (FAS) for fetal anomalies, growth, placenta and fetal position.

INDICATIONS:
- Ideally ordered at about 20 weeks to document fetal anatomy.

PATIENT PREPARATION:
- Full Bladder

TOTAL EXAM TIME:
- 30-60 minutes

NOTE: Follow up OB – IMG537
May be ordered to document any anatomy that was not imaged optimally on complete OB exam.
OB COMPLETE ULTRASOUND

EXAM CODE:

IMG536 – US OB LIMITED

Limited OB US can be ordered for specific reasons anytime during the 2
nd and 3 rd trimester.

EVALUATION OF:
- Size & Dates
- Fetal Position
- AFI
- Viability
- Placental Abruption
- Placental Location
- Other specified by ordering Physician

PATIENT PREPARATION:
- Full bladder

TOTAL EXAM TIME
- 30 minutes

NOTE:
- Please specify exactly what information is requested from this exam.
LIMITED PELVIC ULTRASOUND

EXAM CODE: IMG550 – US PELVIS LIMITED

Limited Pelvis Includes: Bladder and post-void residual or Appendix

INDICATIONS:

- Full Bladder evaluation for post void residual, bladder wall thickening ureteral jets and bladder masses. Limited pelvic ultrasound would be ordered if kidneys are not to be included. Renal Ultrasound (IMG1080) includes bladder evaluation.

- Evaluation of appendix by ultrasound is usually ordered if radiation is contraindicated, as in childhood or pregnancy. Please note that ultrasound visualization of appendix is sub-optimal so that appendicitis can be ruled in, but not ruled out.

PATIENT PREPARATION:

- Full bladder for bladder exam.
- No prep for appendix evaluation.

TOTAL EXAM TIME:

- 30 minutes
PELVIC AND TRANSVAGINAL ULTRASOUND

EXAM CODE:

IMG2207 – US PELVIS WITH TRANSVAGINAL

IMG2206 – US PELVIS TRANSABDOMINAL ONLY

IMG547 – US PELVIS NON-OB TRANSVAGINAL

Most pelvic ultrasounds are done both trans-abdominally and trans-vaginally unless the patient is too young, refuses the test or there is any other contraindication. Pelvic ultrasound includes: **Uterus, Ovaries, Adnexal regions and Cul-de-sac**

**INDICATIONS:**
- Pelvic Pain
- Abnormal vaginal bleeding
- Follow up of Abnormal Imaging Study
- Absence of menstruation
- Evaluate congenital abnormalities
- Abnormal physical exam
- Post-op Complications
- Pre-op
- Evaluate for retained products of conception
- Localization of IUD

**PATIENT PREPARATION:**
- Patient to drink 32-40 ounces of non-carbonated liquid starting an hour before test. Bladder must be full for this exam

**TOTAL EXAM TIME:**
- 30-50 minutes

**NOTE:** Please specify if only **TRANSABDOMINAL (code IMG2206)** or only **TRANSVAGINAL (code IMG547)** is requested.
**BIOPSY WITH ULTRASOUND GUIDANCE**

**EXAM CODE:**

**IMG2416 – US SIMPLE BIOPSY**

A procedure performed by the Radiologist with ultrasound guidance to biopsy the thyroid or liver. Other procedures can be ordered with approval of Radiologist.

**INDICATIONS:**
- Mass in the thyroid or liver. Also for staging Hepatitis C.

**PATIENT PREPARATION:**
- Patient must be scheduled through Short Stay and that department will give prep instructions.

**TOTAL EXAM TIME:**
- 45-60 minutes.

**NOTE:**
- Patient lab results must be available before Radiologist can perform procedure.
- Required lab values are PT, PTT, INR and platelets.
- Abnormal lab values may postpone procedure.
PARACENTESIS WITH ULTRASOUND GUIDANCE

EXAM CODE:

IMG2202 – US PARACENTESIS

Drainage of abdominal fluid by an Interventional Radiologist using ultrasound guidance

INDICATIONS
  • Ascites

PATIENT PREPARATION:
  • None unless specified by physician

TOTAL EXAM TIME:
  • About 60 minutes. Depends on amount of fluid to be drained.

NOTE:
  • Patient lab results must be available before Radiologist can perform procedure.
  • Required lab values are PT, PTT, INR and platelets.
  • Ordering Physician to specify if procedure is therapeutic, diagnostic or both.
  • Ordering Physician to specify which lab tests are requested on fluid sent to lab.
THORACENTESIS WITH ULTRASOUND GUIDANCE

EXAM CODE:

IMG2218 – US THORACENTESIS

Drainage of pleural fluid by an Interventional Radiologist using ultrasound guidance.

INDICATIONS:
- Pleural Effusion

PATIENT PREPARATION:
- None unless specified by physician

TOTAL EXAM TIME:
- About 45 minutes. Depends on amount of fluid to be drained.

NOTE:
- Ordering physician to specify whether right or left side of chest is to be drained.
- Patient lab results must be available before Radiologist can perform procedure.
- Required lab values are PT, PTT, INR and platelets.
- Ordering Physician to specify if procedure is therapeutic, diagnostic or both.
- Ordering Physician to specify which lab tests are requested on fluid sent to lab.
RENAL ULTRASOUND

EXAM CODE: IMG1080 – US RENAL

Evaluation of Kidneys, urinary bladder, and post-void residual.

**INDICATIONS:**
- Hematuria
- Abnormal Lab Tests
- Follow up of Abnormal Imaging Study
- Flank Pain
- Evaluate congenital abnormalities
- Evaluate Size
- Evaluate Obstruction
- Renal Cancer
- Evaluate transplanted Kidney
- Renal Insufficiency or failure

**PATIENT PREPARATION:**
- Patient to drink 32 ounces of non-carbonated liquid starting an hour before test. Bladder should be full for this exam.

**TOTAL EXAM TIME:**
- 30-45 minutes
TESTICULAR ULTRASOUND

EXAM CODE:

IMG551 – US SCROTUM AND TESTICLES

Includes testicles, epididymis and other scrotal contents

<table>
<thead>
<tr>
<th>INDICATIONS:</th>
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</thead>
<tbody>
<tr>
<td>Palpable mass or lump</td>
</tr>
<tr>
<td>Rule out torsion</td>
</tr>
<tr>
<td>Pain</td>
</tr>
<tr>
<td>Swelling</td>
</tr>
<tr>
<td>Trauma</td>
</tr>
<tr>
<td>Undescended testicles</td>
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<tr>
<td>Varicocele</td>
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<tr>
<td>Hydrocele</td>
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<table>
<thead>
<tr>
<th>PATIENT PREPARATION:</th>
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<tbody>
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<table>
<thead>
<tr>
<th>TOTAL EXAM TIME:</th>
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<tr>
<td>30-50 minutes</td>
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</table>
THYROID ULTRASOUND

EXAM CODE: IMG1070 – US THYROID

INDICATIONS:
- Palpable neck masses
- Abnormal Lab Values
- Follow up of Abnormal Imaging Study
- Evaluate size
- Follow-up thyroid nodules
- Evaluate Parathyroid abnormalities

PATIENT PREPARATION:
- None

TOTAL EXAM TIME:
- 30-50 minutes