Abdominal Examination Trainer

For practicing the palpation, auscultation and percussion elements of abdominal examination

60000

Learning has never been more lifelike

limbsandthings.com
An anatomically accurate adult male torso, used to teach and practice the palpation, auscultation and percussion elements of abdominal or gastrointestinal (GI) examination. Ideal for OSCE preparation and assessment.

With interchangeable organs of varying sizes, and an integral MP3 player providing realistic sounds, the trainer provides the ability to differentiate between normal and abnormal pathology.
Skills
• Familiarity with the abdominal regions and underlying anatomy
• Practice in abdominal palpation, auscultation and percussion
• Ability to differentiate normal from abnormal pathology
• Identification of ascites, specifically shifting dullness and fluid thrill
• Identification of gaseous distension and bowel obstruction
• Ballottement of kidneys
• Professional-to-patient communication

Product Qualities

Anatomy
- Torso featuring abdomen, pelvis and lower part of thorax
- Bony landmarks include ribs, costal margin, xiphisternum, pubic crest, and anterior superior iliac spines
- 3 Livers: slightly enlarged, enlarged with smooth edge and enlarged with irregular edge
- 2 Spleens: slightly enlarged and markedly enlarged
- Enlarged Kidney
- Distended Bladder
- 2 Aortas: normal and aneurysmal
- Set of 6 Abdominal Pathologies includes:
  - 4 Smooth masses: 2 sizes, each with hard and soft version
  - 2 Irregular hard masses
- Distension Set includes:
  - Ascites bag
  - Gaseous Distension bag, pump and foam insert
- Simplified representation of lower thoracic & lumbar spine

Realism
- Organs feel realistic on palpation and respond appropriately to percussion
- Lifelike quality of abdominal skin accommodates stretching for gaseous distension and ascites simulation
- Realistic ballottement of enlarged kidney

Versatility
- Abdominal skin is simple to remove, allowing quick and easy changeover of organs
- Suitable for both bench top use and hybrid use with Simulated Patient
- Model can be rolled onto side for examination of ascites and shifting dullness

Key Features
- Interchangeable organs and pathologies of varying sizes can be quickly and easily inserted into the abdomen
- Trainer or Simulated Patient can vary respiratory movement of liver and spleen by the turn of a wheel
- Integral amplifier and surface mounted MP3 player allow training in auscultation of normal and high-pitched or obstructed bowel sounds, renal and aortic bruits - in variable locations
- Volume of bowel sounds can be adjusted and MP3 player allows for additional sounds to be loaded
- Distension set allows for the following:
  - Realistic checking for ascites using percussion, shifting dullness or fluid thrill technique
  - Simulation of bowel obstruction on percussion and auscultation
- Pulse bulb allows simulation of normal and aneurysmal aortic pulse

Safety
- Latex free
- Weight of model is within male and female health and safety limits for lifting to chest height

Cleaning & Care
- Skin surface is washable using soap and water

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### Undergraduate Medical Student (Y1-2)

"Examinations:
- Auscultate and describe bruits
- Systematically inspect, percuss, and auscultate lungs
- Perform Light and Deep palpation
- Demonstrate tests for peritoneal irritation
- Describe the Liver Span
- Palpate for liver and spleen
- Show how to detect ascites"

### Undergraduate Nursing Student

"Abdominal Assessment:
- Identify landmarks dividing abdominal region into quadrants
- Auscultate bowel sounds, listening at least 5 minutes before describing sounds as absent
- Auscultate for vascular sounds over epigastric region and each quadrant
- Percuss each of the 4 quadrants, noting areas of tympany or dullness
- Percuss for a fluid wave
- Lightly palpate over each quadrant
- Palpate for smooth round mass below umbilicus and above symphysis pubis
- Notes size, location, shape, consistency, tenderness, mobility, and texture of any masses palpated"

### Advanced Practice Nurses

"Auscultation:
- Presence, character & frequency of bowel sounds
- Presence of bruits (renal, iliac or abdominal aortic)

Percussion:
- Percuss – resonance, tympany, dull, flat
- Liver: define upper and lower borders, measure span
- Spleen: confirm presence of normal resonance over lowest rib interspace in anterior axillary line
- Bladder: identify distension and fullness
- CVA percussion for tenderness Palpation

Palpation:
- Examine all four quadrants in succession
- Start with the painless areas, and palpate the painful area last
  Light Palpation (perform first)
- Tenderness, muscle guarding, rigidity
- Superficial organs or masses

Deep Palpation:
- Assess for abdominal guarding, tenderness or rigid abdomen
- Feel for organs
- Masses: location, size, shape, mobility, tenderness, movement with respiration, pulsation, hernias (midline, incisional, groin)"

### References

- **AAMC Recommendations for Clinical Skills Curricula for Undergraduate Medical Education**, page 27-28
- **Clinical Nursing Skills and Techniques, Performance Checklist Skill 6-5**, page 63
- **College of Registered Nurses of British Columbia, Adult GI-GU Assessment**, page 6