# Learning Outcomes

## Radiology Masterclass
## Abdominal X-ray Interpretation

## Course aims

- To learn or revise knowledge necessary for interpretation of abdominal radiographs
- To objectively demonstrate radiographic interpretation skills by completion of a summative and graded online assessment based on the knowledge learned

## Course learning outcomes

On completion of the course the practitioner will be able to:

- Describe the commonly used anatomical terms required for description of radiographs of the abdomen with specific reference to basic abdominal anatomy
- Show awareness of anatomical structures not readily visible on abdominal radiographs including solid organs of the abdomen
- Employ a systematic approach for interpretation of abdominal radiographs and demonstrate use of the general principles required for accurate image interpretation
- Attribute descriptive terms to common abnormalities seen on abdominal radiographs
- Differentiate normal bowel from abnormal small and large bowel
- Attribute descriptive terms to the normal small and large bowel
- Attribute descriptive terms to the abnormal small and large bowel
- Differentiate abnormal small bowel from abnormal large bowel
- Attribute descriptive terms to large bowel obstruction due to volvulus (caecal and sigmoid)
- Attribute descriptive terms to common bone and soft tissue abnormalities seen on abdominal radiographs
- Systematically assess the quality of an abdominal radiograph
- Describe factors of image quality which may limit interpretation of abdominal radiographs
- Determine the presence of free gas (pneumoperitoneum) **on an erect chest radiograph and on an abdominal radiograph**
- Identify signs associated with bowel wall inflammation
- Determine the presence of abnormal calcification on an abdominal radiograph
- Attribute descriptive terms to radiographic, medical, and surgical artifacts commonly seen on abdominal radiographs
- Demonstrate the ability to detect and describe common abnormalities seen on abdominal radiographs
- Objectively establish and demonstrate a level of confidence appropriate for interpretation of abdominal radiographs, by completion of an online assessment of interpretation skills (with generation of a personalised and verifiable online – and printable – course completion certificate stating the practitioner's details and mark as a percentage)