

MIOT'S INSTANT DIGITAL X-RAY FOR FASTER, SAFER, ACCURATE IMAGING



**HIGHLY
AFFORDABLE** 

THE MOST ADVANCED X-RAY IN SEYCHELLES

MIOT's Instant Digital X-ray is a new dimension in diagnostic care, providing faster results with greater accuracy. It enables focused healthcare and better patient outcomes, echoing MIOT International's enduring commitment to Seychellois. It is designed for greater precision in the diagnosis of bone, spine, and lung conditions and special investigations of the gastrointestinal tract, kidneys, ureters, and the urinary bladder. The real-time high-resolution imaging allows for faster and accurate treatment decisions.

HIGHEST ACCURACY

It has preset exposures for different organs, determined by research and development teams from across the world. It also has a highly sensitive, state-of-the-art detector - a cesium iodide scintillator coupled to a TFT Matrix with amorphous silicon technology. This helps deliver the highest imaging accuracy. It is enhanced by careful patient positioning and radiography techniques by our well-trained team of radiographers.

ENHANCED IMAGING QUALITY

Generates images with a pixel size of $139\ \mu\text{m}$, a spatial resolution of 3.6 lp/mm and digitisation depth of 16 bits for superior clarity and quality.

During post-processing, the advanced zoom feature offers an enlarged view upto 15X, while digital manipulation helps produce clearer images of the skull, chest and bones. It ensures that there is absolutely no room for error in capturing details and viewing the images. This enables better treatment decisions.

HIGHEST RESOLUTION
WITH A PIXEL SIZE OF **139 μm**





REDUCES
RADIATION BY
50-60%

LOWEST RADIATION EXPOSURE

Reduces radiation by 50%-60% in comparison to conventional X-ray imaging. Its auto-modulation feature automatically adjusts the level of radiation exposure depending on the thickness and size of the region covered. The DAP (Dose Area Product) meter records the dose per image and the accumulated dose for each patient. The machine's copper filters further reduce the dose. This combination of cutting-edge features ensures the lowest radiation that is safer for the patient, without compromising on the image quality.

WIDE **17X17"**
FIELD-OF-VIEW

WIDER COVERAGE

MIOT's Instant Digital X-ray is highly versatile - it is designed for weight-bearing X-rays, chest X-rays and even imaging while the patient is standing. The X-ray has a wide 17x17" field-of-view, making it the first-of-its-kind in Seychelles. It enables a larger area to be covered in a single exposure.

UP TO **360kgs**

ADVANCED SAFETY FEATURES

It comes with state-of-the-art patient safety features, including emergency stop buttons and collision sensors. The sturdily designed X-ray table can bear up to 360kgs. Patient safety is our highest priority while delivering accurate results.

BACKED BY MIOT EXPERTISE

MIOT's Instant Digital X-ray is supported by its unmatched expertise. The radiology technicians performing the X-ray are trained by MIOT International, Chennai. The results are backed by expert advice from a team of senior radiologists at MIOT International, through tele-radiology. It is your guide towards the right medical care.

SPECIAL INVESTIGATIONS

IMAGING OF THE DIGESTIVE AND URINARY TRACTS IS FASTER, SAFER, AND ACCURATE WITH MIOT'S INSTANT DIGITAL X-RAY

Our revolutionary X-ray introduces a wider range of imaging possibilities in Seychelles. We use MIOT's Instant Digital X-ray to perform special investigations of the oesophagus, stomach, intestines, kidneys, ureters, and the urinary bladder. These help in faster, safer, and more precise diagnosis of several conditions. Visit us today, for the finest diagnostic care backed by expert advice, to help you get the right treatment without delay.

Barium Swallow (Oesophagus)



A barium swallow is a contrast study from the oral cavity, down to the fundus (top) of the stomach.

Indications

Difficulty swallowing (dysphagia) and obstruction | Heartburn (dyspepsia) or Gastroesophageal Reflux Disease (GERD) | Mediastinal mass | Pre-operative assessment of carcinoma of the bronchi and oesophagus | Perforation | Pain while swallowing | Zenker's diverticulum and cricoid webs

Barium Meal (Stomach and Small Intestine)



A barium meal is a radiological study of the oesophagus, stomach, duodenum, and proximal jejunum. It is done through oral administration of a contrast medium.

Indications

Anorexia | Weight loss | Vomiting | Anaemia | Dyspepsia | Gastrointestinal haemorrhage | Gastric or duodenal obstruction | Motility disorders of the gastrointestinal tract

In Children

Gastroesophageal Reflux Disease (GERD) | Pyloric obstruction | Malrotation

Barium Enema (Large Intestine)



A barium enema is an examination of the large intestine performed by administering a contrast medium through the rectum.

Indications

Demonstration of the sinuses or fistulas | Severe diverticulosis | Polyposis | Diarrhoea | Presence of obstruction and polyps (growths) | Reduction of an intussusception | Ulcerations and inflammation of the large intestine | Irritable bowel syndrome | Unusual bloating or lower abdominal pain | Unexplained weight loss

IVU (Kidneys and Urinary Tract)



Intravenous Urography (IVU)

Indications

Stones in the kidneys, ureters, and the urinary bladder | Blockages (growth, obstruction, or infection) in the urinary tract (both congenital and inflammatory)

Retrograde Urethrogram (RGU) and Micturating Cysto-Urethrogram (MCU)

Indications

A decrease in the force or an interruption in the urinary stream.



For appointments **+248 4326 693**

Scan the QR code or visit www.miot-seychelles-medical.sc/services/digital-x-ray