

The Technique Behind Diagnosis



At IJN's, a multidisciplinary team of experts work together to diagnose diseases in the heart, lungs and chest cavity. Our Imaging Centre boasts an unparalleled range of specialized medical imaging readers, consisting of radiologists, nuclear medicine specialists and cardiologists trained in advanced non-invasive imaging. A holistic approach to using medical imaging technology ensures that no major underlying conditions are missed out.

Imaging Centre runs an active consultation service and holds weekly conferences to discuss complex diseases in the thorax. The discussions are attended by the surgeons and respiratory consultant treating the patient. The outcomes of the discussions help the doctors to decide on the best course of treatment. When further clarification of the diagnosis needs to be made, more advanced imaging such as a PET-CT scan or a biopsy can be arranged in a timely manner as to not delay treatment.

In the pursuit of an expedited and accurate diagnosis, the team's primary responsibility is to not only choose the best but also the safest imaging modality to diagnose the patient. The doctor attending to the patient will discuss their options thoroughly before the imaging appointment to ensure that the patient understands the risk and benefit of the test that they have been prescribed with.

For certain tests, such as a CT scan with contrast injection, a set of instructions may be given, which may include fasting and taking medications to reduce the risk of reaction to the contrast in sensitive patients. On the day of the appointment, the patient will be attended by well-trained staffs in the Imaging Centre who will do their best to ensure a seamless experience from registration to completion of the test.

Diagnostic Imaging Modalities

IJN offers expedited access to one of the widest ranges of latest imaging modalities in the region to diagnose diseases of the heart, lungs and chest cavity. IJN's facilities span from basic modalities such as x-ray and ultrasound, to advanced CT scan, MRI, PET-CT scan, Single Photon Emission Computerised Tomography (SPECT) and Dual Detector Gamma

What We Test For



Pulmonary function tests – measures lung volume, capacity and rates of oxygen flow from the airways to the rest of the body



Bronchoscopy – diagnosis of lung cancer and pulmonary infections



X-ray Computed Tomography – detects cancerous tumours in the lungs



Position Emission Tomography-Computed Tomography (PET-CT) – detects cancerous tumours and heart disorders



Pleuroscopy – checks pleural cavity for infections and cancerous tumours



A PET-CT scan can help doctors find the right place to carry out a biopsy which is the main way to diagnose most types of cancers. This machine remains useful in learning whether a patient's cancer treatment is working, plan radiation therapy and even check for new growths after treatment has ended.



cameras. Continuous technological updates such as Artificial Intelligence (AI) in the post processing software helps make the tests safer for patients and speeds up the process of interpreting the results.

Our dedication in improving access to state-of-the-art medical imaging technologies helps us to provide

the best care to our patients and pioneer new frontiers in thoracic treatment. We strive to lead the way in patient care, research and training in thoracic health. IJN wholeheartedly seeks to become the center of excellence in thoracic healthcare and provide our patients with world class treatment.