Preparations

- 6
  Fasting at least 6 hours prior to examination.

- Avoid vigorous exercise at least 1 day prior to examination.

- Do not undergo a barium meal examination within 2 weeks prior to examination.

- For diabetic patients, please also inform our staff.

- Do not undergo PET CT examination if you are pregnant.

Procedures

- Please change your clothing and remove all objects that may interfere with the scan.

- Medical history will be collected by our staff.

- 45
  The radiopharmaceuticals will be injected intravenously. Please wait about 45 mins and allow radiopharmaceuticals to concentrate in the organ or tissue.

- 500
  During uptake of radiopharmaceuticals, please drink 500ml of water as instructed.

- Please empty the bladder prior to the start of the scan.

- During the scan, the scanner will move slowly over the body part being studied.

- 2   2.5
  In general, the examination could take around 2 to 2.5 hours. If delay scan needed, examination time might be further extended.

What medical information could be gathered from PET-CT?

1 Distinguishing cancer at early stage

2 Identifying location and structure of tumour

3 Grading and staging of cancer

4 Determining condition of metastasis, if any

5 Assisting in treatment planning

6 Assessing treatment effectiveness

7 Monitoring cancer recurrence if any

正電子電腦掃描
Positron Emission Tomography & Computed Tomography (PET-CT)

全人醫治
盡心關懷
we provide holistic & compassionate care

ACCREDITATION
HKH INTERNATIONAL

5 years+ 同心・關懷
caring organisation
Awarded by The Hong Kong Council of Social Service

MP-CMD030Sep23v04O

PET-CT Centre

GE Healthcare

Discovery MI
PET-CT

(Analogue)

PET-CT Centre of Evangel Hospital is equipped with GE Healthcare Discovery MI positron emission tomography/computer tomography (Digital PET-CT). It is currently the most advanced PET-CT imaging technology and also a future trend. Comparing to traditional analogue system in the market, digital PET-CT has a higher sensitivity and image resolution. The new digital system could significantly reduce examination time and radiopharmaceutical dose up to 50%, allowing decrease absorption of radiation dose by examinees as compared to traditional systems. The digital detectors also could improve accuracy and help to identify small and early lesions.

Discovery MI
Advantages of DISCOVERY MI*

Significant Reduction of Scanning Time & Radiation Dose

Digital PET detector converts received radiation information directly to image signal. It increases the sensitivity of the equipment, allowing scanning time and radiation dose to be reduced.

ASiR-V
ASiR-V Reconstruction Technology

Reducing image noise and enhancing image quality.

Discovery MI

2X Up to 2x Improvement of Image Quality & Accuracy
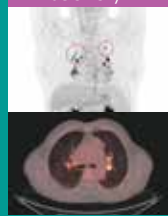
(TOF)   Q. Clear

Innovative reconstruction technology including the combination of Time-of-Flight (TOF) and Q.Clear, which improves image quality and accuracy.
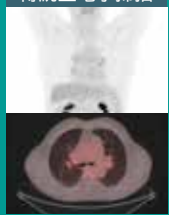
Discovery MI

Increasing the Detectability of Small Lesions

Improves the visualization of small lesions so that early cancer/abnormalities can be easily detected.

Discovery MI

*
Depends on patient condition and examination items