

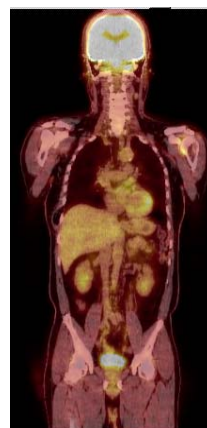
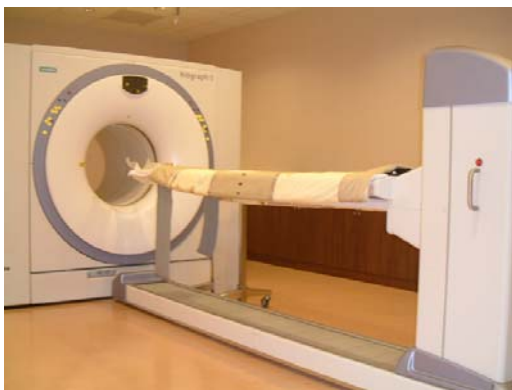
正子電腦斷層（PET/CT）掃瞄讓癌症無所遁形

PET/CT –Cancers have no where to hide

正子電腦斷層掃瞄（PET/CT）是結合了正子斷層造影（Positron Emission Tomography，PET）及大家熟知的電腦斷層掃瞄（CT）；CT 主要用於顯示人體精細的結構影像，PET 則是利用癌細胞分裂快速、代謝旺盛的原理，早期偵測癌症的存在；由於掃瞄屬於全身性，可用於偵測全身癌症轉移部位；PET/CT 結合兩者之優點，在同一次掃瞄中，可同時獲得全身精細結構中之代謝變化，讓癌症無所遁形。

PET Center at NCKU Hospital

PET/CT provides metabolic information from Positron Emission Tomography(PET) and anatomic information from Computer Assisted Tomography(CT). While CT shows detailed structures of inhuman bodies, PET detects the existence of cancer at early stages based on the heightened glucose metabolism of cancer cells. PET/CT can be used for the whole body, therefore, it could be used to detect unexpected cancer cells.



據衛生署統計，惡性腫瘤連續 20 多年蟬聯國人十大死因榜首，每年奪走約 3 萬條寶貴的性命。惡性腫瘤之早期治癒率高，且診斷癌症之最好方式為定期檢查，早期發現，早期治療。正子斷層掃瞄能顯示出其他影像技術所不能偵測出的微小病灶，協助醫師早期診斷。

According to the statistics of the Department of Health, malignant tumors have been the number one cause of deaths with thirty thousand lives taken away each year. Malignant tumors can be treated successfully if found early. Regular physical

check-ups are the best ways to detect early cancers. PET/CT can display small lesions, not detected by conventional image modalities. Therefore, it can assist physicians to make early diagnosis.

國立成功大學醫學院附設醫院秉持服務南部病患之精神，設立正子造影中心，使癌症病患達到正確分期、治療之目的。目前健保給付之癌症檢查，包括：乳癌分期及治療；大腸癌、頭頸部癌（不含腦瘤及甲狀腺癌）、肺癌（非小細胞性）、淋巴瘤及黑色素癌之診斷，分期及復發後之再分期；肺單一結節；甲狀腺癌復發後之再分期等。而且開放給癌症之高風險群之民眾檢查，以達到早期診斷，早期治療之目的。

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NCKU Hospital established the PET center in order to offer better services for cancer patients in the south Taiwan. Cancer patients can be treated sequentially. The following cancer conditions are covered by national health insurance: staging and monitoring therapeutic effect of breast cancer, diagnosis, staging and restaging of colorectal cancer, head and neck cancer (excluding thyroid cancer and brain tumor), lung cancer (non-small cell), lymphoma and melanoma; single pulmonary nodule; detection of recurrent thyroid cancer. It is also open to high risk group who are advised to have regular physical examination.

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