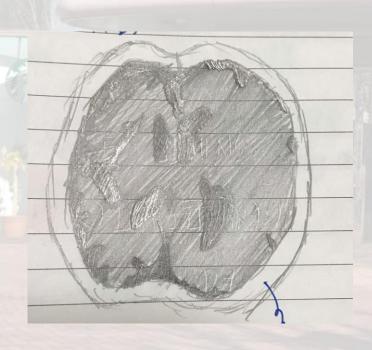
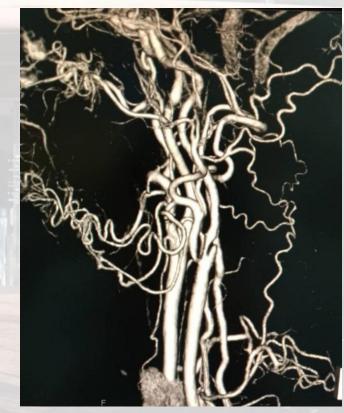


CT. second day

 we learned about how to operation from 3D imaging that was difficult for us because we didn't have touch before this program so is the first time we made the imagine by ourselves. We do the same step with teacher but we still can not make the beautiful imaging .and saw the

dissection form head.







Between non-helical and helical

Non-helical

- Signal prescribed dose of medicine high
- Area. small
- To penetrate no

helical

 Signal prescribed dose of medicine.

large

- · Area.
- To penetrate yes



PET/CT examination principle檢

查原則

PET examination uses the property that "malignant tumor cells have more glucose than normal cells and a very small amount of radioactive substace(radioisotope)called fluorine-18(F18) is added to the subject . After the glucose imaging agent (referred to as FDG) the maligant tumor cells will take more FdG than thw normal cells and the PET imagingdevice will capture the release frob FDG

一般攝影

We follow the teacher to the ward and watch how to examination with mobile art evolution after imaging we need to check the film immediately to ensure films got the problems or not. Not only we saw the teacher operation the machine. There are a lot of different thing between Taiwan and Japan. first in front of every door they put hand sanitizer. Next station we went to the VIP room that is really big ward for patients each room have the windows to see the scenery will not feel like jail on morning the sun rise up and sunshine shoot in to the room.in Japan privacy to patient is the most important thing



General imaging

正面	80kv	250mA	152msec
側面	80kv	400mA	400msec
斜位	80kv	320mA	320msec
立位	90kv	500mA	80msec
	側面 斜位	侧面 80kv 斜位 80kv	侧面 80kv 400mA 斜位 80kv 320mA

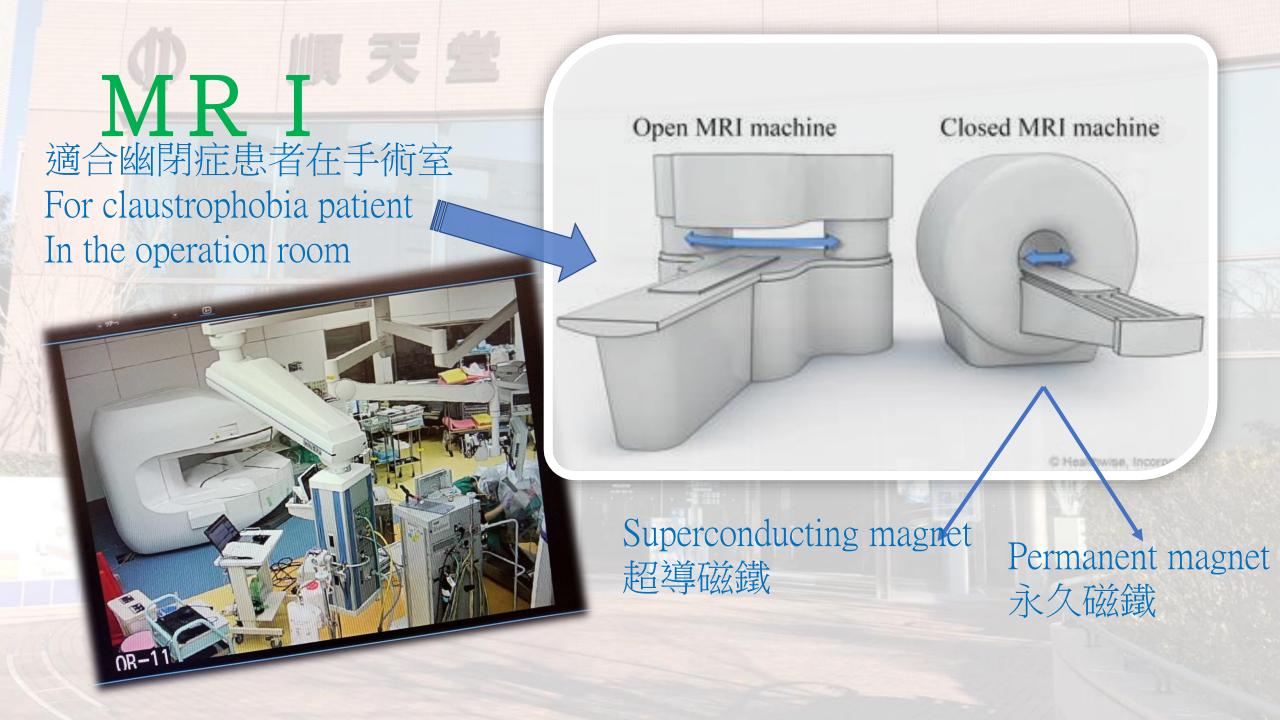
The number will change by thickness

Q: why the patient taking picture with chest only can use stand not lie down on the bed?

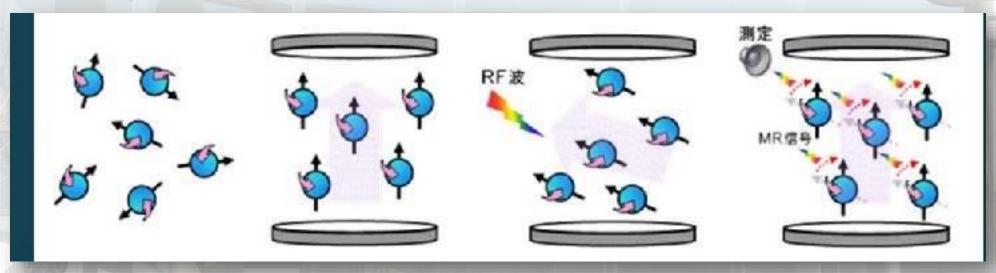
A: because of the patient with pulmonary edema and pneumothorax







MR I princeple MRI 原理



MRI throw out the strong magnetic force let proton H, direction same. When proton H returns the original situation relax single, and we accept.

Nuclear medicine 核子醫學

There are two kind of injection for different pations

運動負荷心筋シンチグラフィとは

運動により心臓に負荷がかかった 状態で行う検査が「運動負荷心筋 シンチグラフィ」です。

運動により心臓に負荷がかかったと判断された時に「放射性医薬品」を注射し、その薬が心臓に充分にいきわたったら運動を終了していただき、心臓の働きを検査します。







運動負荷の注意点

運動をして心臓に負担をかけることにより、ごくまれに心臓の 発作が起こる事があります。しかしこの検査には必ず医師や 専門スタッフが立会っており、直ちに適切な処置を行うことが 可能です。どうぞないしてい



薬物負荷心筋シンチグラフィとは

心臓に負荷をかける方法には、運動によるもの以外に、薬によるものがあります。薬によって心臓に負荷をかける検査を、薬物負荷心筋シンチグラフィといいます。



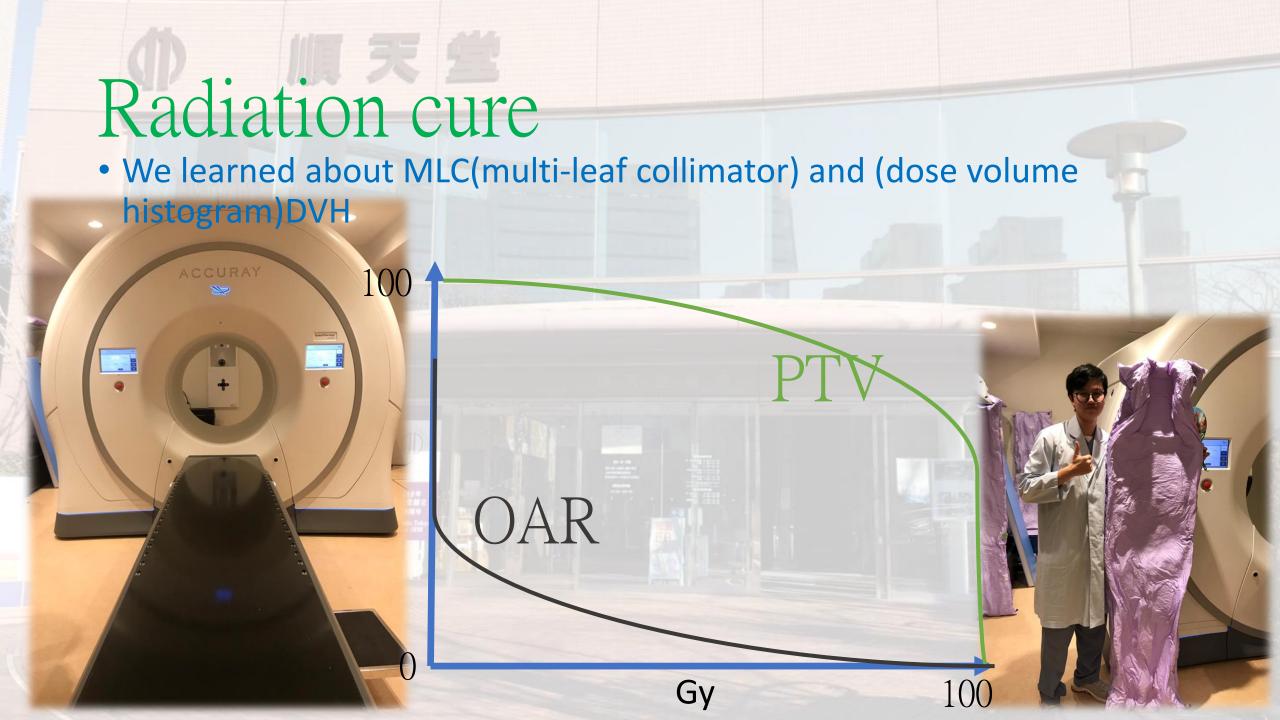




Tokyo tower東京鐵塔











Surprise day

We are very thankful to 坂野 teacher taught us about many information with radiation he is friendly to student and patiently explain radiology equipment introduce each function the most important thing is that the teacher chats with us in three languages

