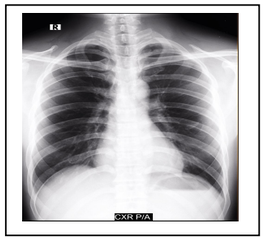
BULLETIN

COMMAND CAUSE OF FAILURE

IMAGE QUALITY



MEDICAL INFO

Dear Dr's and Colleagues,

Greeting form Bestinet Management

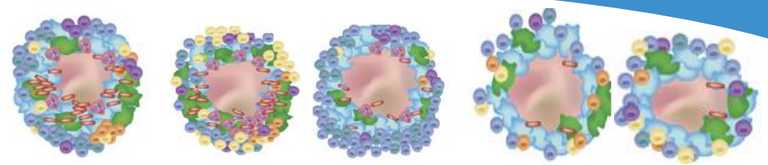
Moving forward into the first quarter of 2017,

A review on the workers failing the medical examination in Malaysia continues in the radiological interpretation relating to both incidental and pathological studies.

X-Ray images as audited reveals differences in Diagnosis as well as image quality. We will revert back to the primary issues as discussed earlier on nodular lesions and also to focus on image quality to ensure Radiographers apply the right exposure standards to assist radiologist in reporting on the image.

Another note of concern is there is still no response or supportive articles, suggestion or questions from Doctors.

Command cause of failure



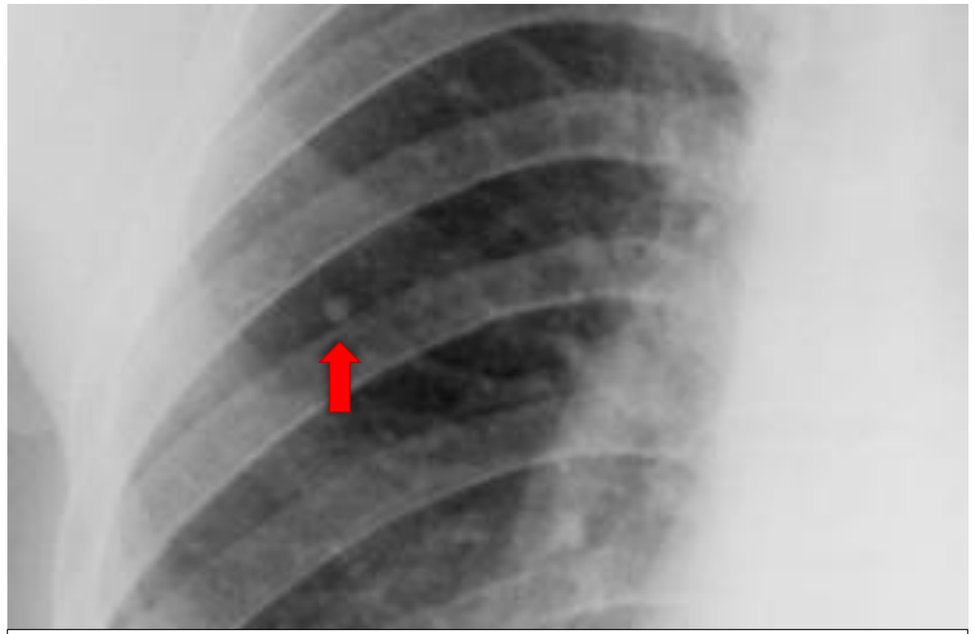
Any nodules in isolation

(No nearby vessels or bronchus seen) as abnormal if:

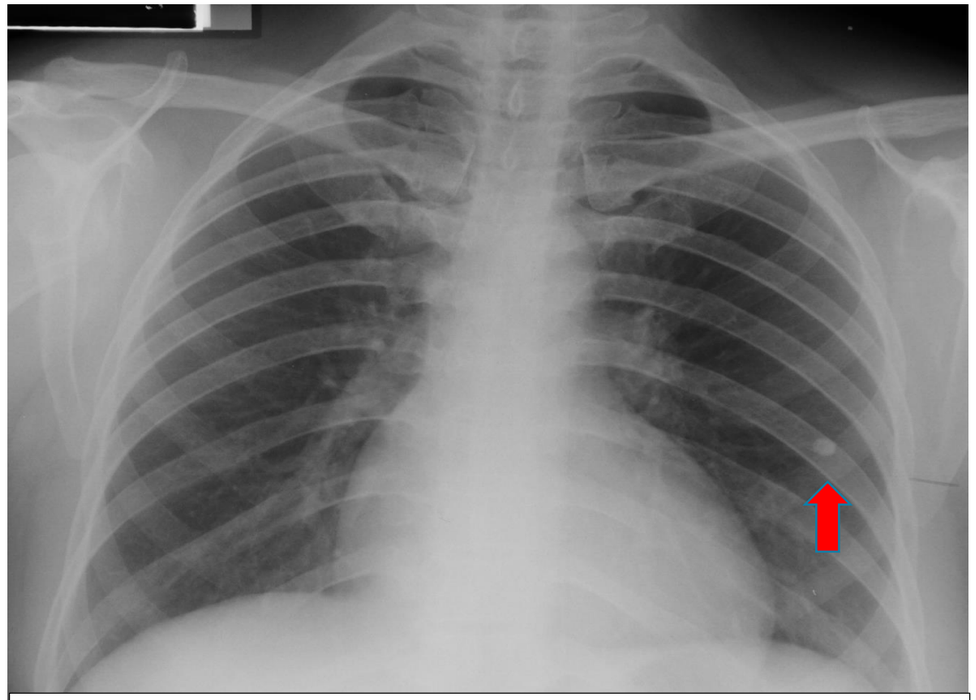
- In the lateral 1/3, the nodule is >1mm
- In the middle 1/3, the nodule is >5mm
- In the medial 1/3, the nodule is >10mm

Not sure?

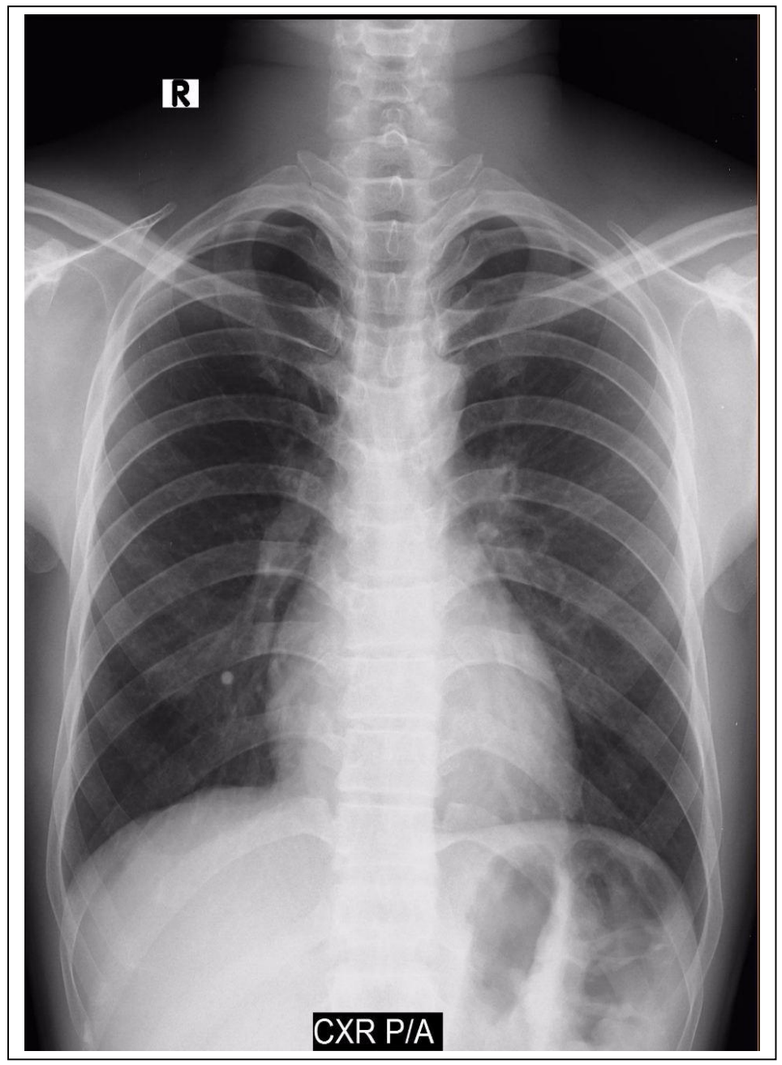
- **Ask for extra views**
- **Ask for 2nd opinion**

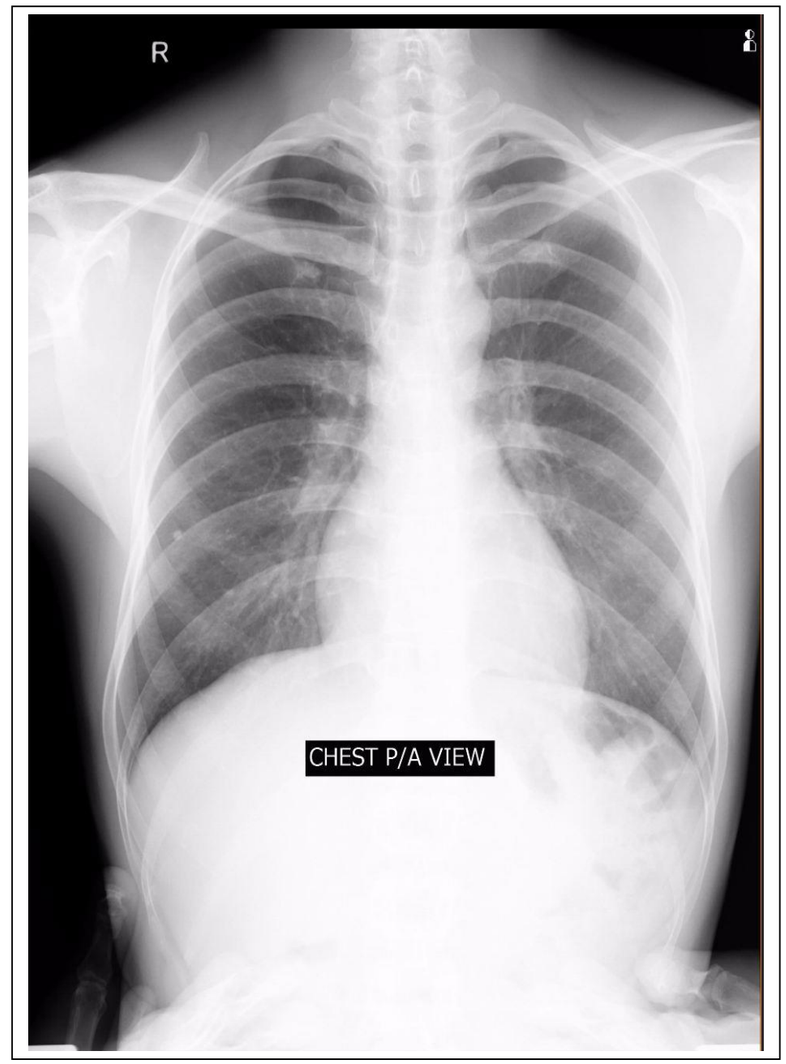


Left: 3mm nodule RMZ with linear shadow towards it => end-on vessel



Right: 3mm nodule LMZ in isolation => granuloma

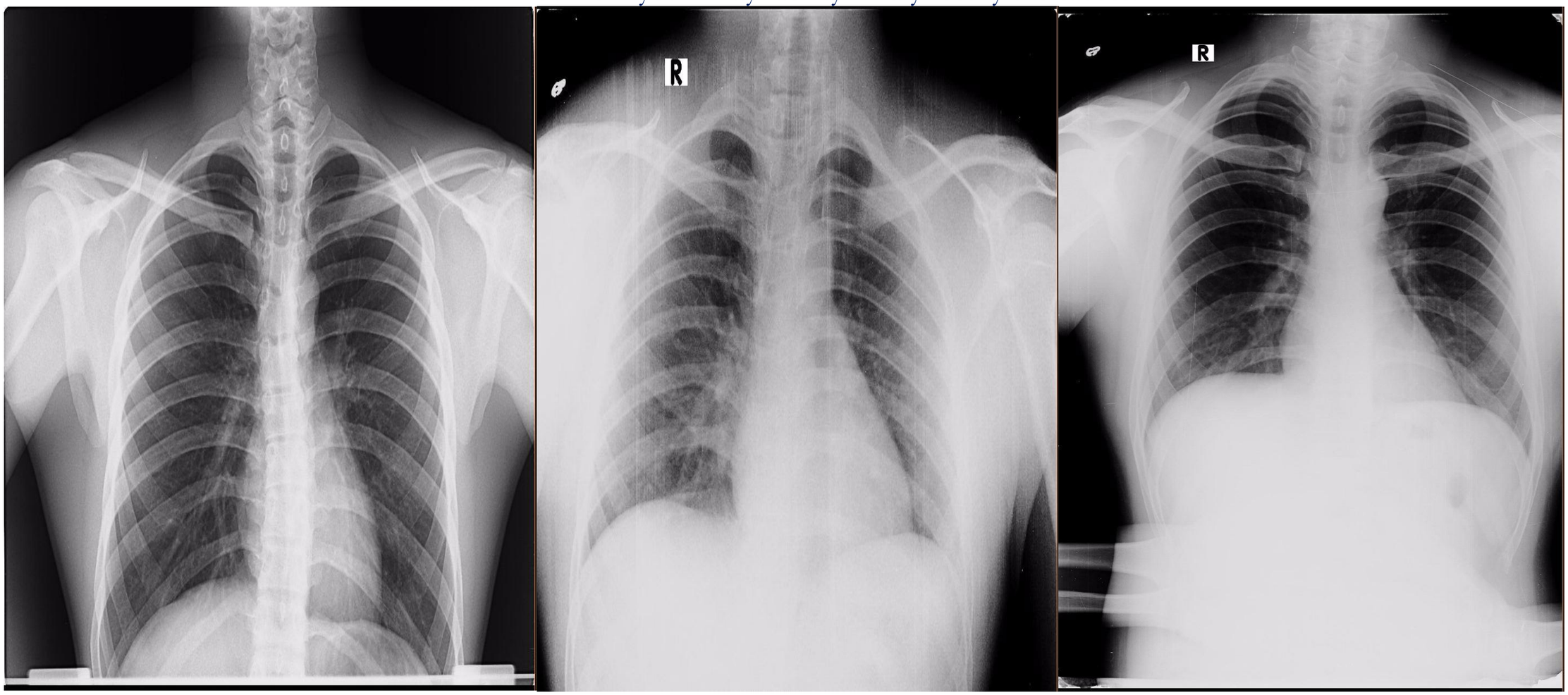




Sample review of chest x-ray is reported as normal by Radiologist Medical Centre in source country but fail in Malaysia due to granuloma. Kindly review the chest x-ray and isolate the granuloma

IMAGE QUALITY

LeT us KnOw your opinions in the quality of these suboptimal chest X-ray images being forwarded from some medical centers in our routine audits. If it's from your x-ray facility kindly rectify the causes.



NOTE : PROJECTION, ROTATION, INSPIRATION,PENETRATION AND ARTEFACTS ALL CONTRIBUTES TO IMAGE QUALITY

We need feedback, feel free to discuss case study, we can assist to clear any doubts arising from disputes in the clinical findings as required

MEDICAL INFO

BREAKTHROUGH: Type 2 diabetes can be reversed with intensive medical treatment

Type 2 diabetes can be reversed with **intensive medical treatment using oral medications, insulin and lifestyle therapies**, according to a study published in the Endocrine Society's *Journal of Clinical Endocrinology & Metabolism*.

Type 2 diabetes is typically thought of as a chronic condition. As it progresses, individuals with type 2 diabetes often **need to use a healthy diet, exercise and an increasingly complex combination** of medications to manage the condition.

"By using a combination of oral medications, insulin and lifestyle therapies to treat patients intensively for two to four months, we found that up to 40 percent of participants were able to stay in remission three months after stopping diabetes medications," said the study's first author, Natalia McInnes, MD, MSc, FRCPC, of McMaster University and Hamilton Health Sciences, in Hamilton, Ontario, Canada.

"The findings support the notion that type 2 diabetes can be reversed, at least in the short term—not only with bariatric surgery, but with medical approaches."

"The research **might shift the paradigm of treating diabetes** from simply controlling glucose to an approach where we induce remission and then monitor patients for any signs of relapse," McInnes said. "The idea of reversing **the disease is very appealing to individuals with diabetes**.

It motivates them to make significant lifestyle changes and **to achieve normal glucose levels with the help of medications.** This likely gives pancreas a rest and decreases fat stores in the body, which in turn improves insulin production and effectiveness."

The senior investigator on the trial, Hertzel C. Gerstein, MD, MSc, FRCPC, of McMaster University and Hamilton Health Sciences added, "We chose **to use metformin, acarbose and basal insulin glargine** in this trial as these medications have all been shown **to slow or prevent the development of type 2 diabetes**. However, other drug combinations could lead to higher remission rates and need to be systematically studied with regard to this outcome."

Source:
https://www.endocrine.org/
Type 2 diabetes can be reversed with intensive medical treatment, study shows
Saved from URL: http://www.news-medical.net/news/20170315/