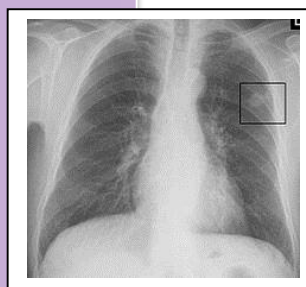




BULLETIN

Top News:

GRANULOMA VS END OF VESSELS



MEDICAL SHARE INFO



**MOVING FORWARD
TELE RADIOLOGY**



**Dear Dr's and Colleagues,
New Year greeting from Bestinet Management,
thanking you and the staff for the cooperation
and adherence the Bestinet standard.**

**Presume this will be a challenging year for pre
departure health screening.**

**Based on last year statistics more than half failed
due to clinical findings in X-ray studies not
acceptable to Malaysia standard.**

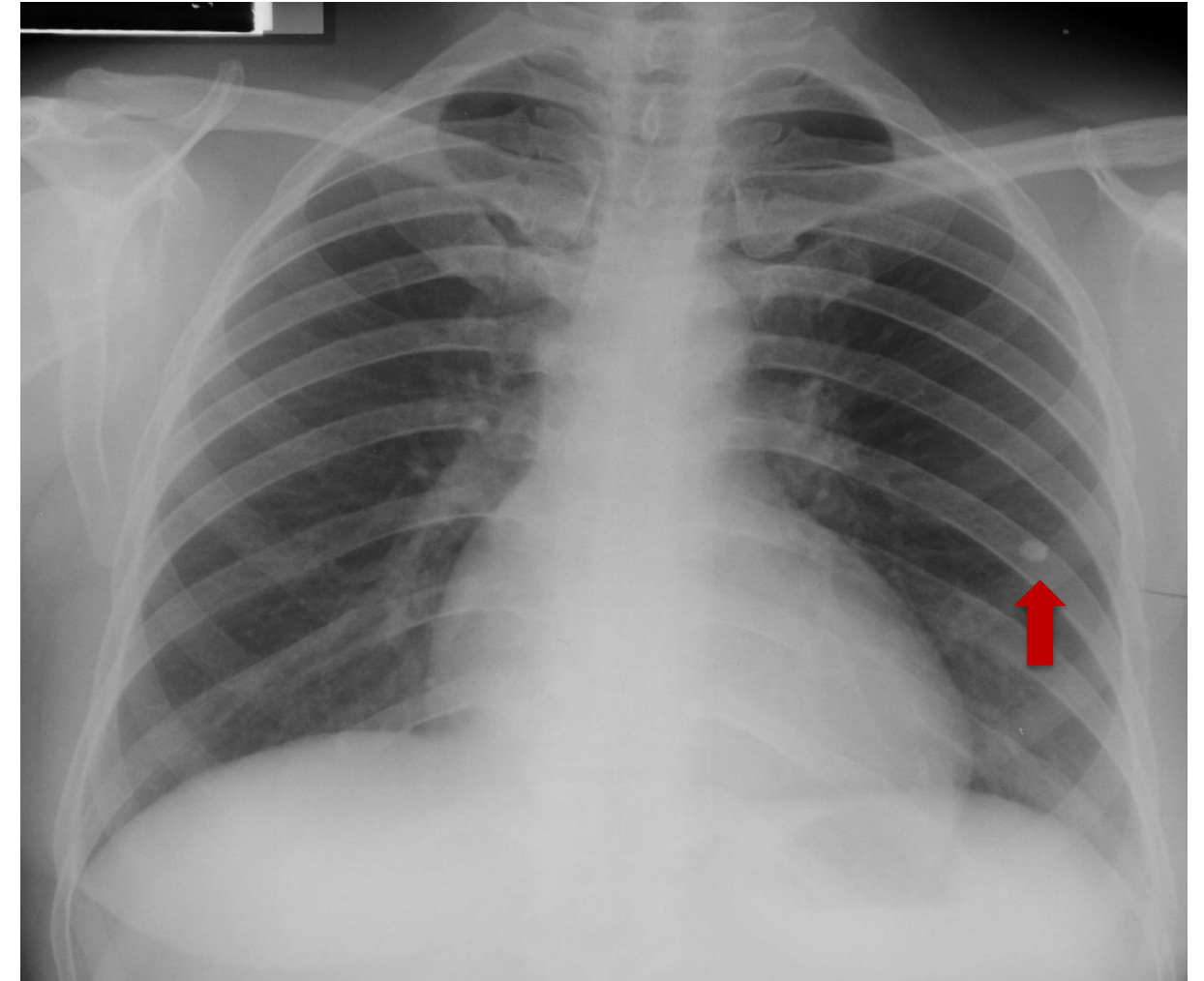
**Differences in interpretation and missed
diagnosis is noted to be the root cause to failures
in Malaysia.**

**Moving forward, Teleradiology will be
implemented in all the Medical Centre this year.
With Teleradiology we will be able to assist
Radiographer in image quality and ensure
Radiologist are guided by Malaysian standard in
interpretation and clinical findings.**

END OF VESSELS **VS** GRANULOMA



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



✓ Right: 3mm nodule LMZ in isolation => granuloma

Any nodules in isolation

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

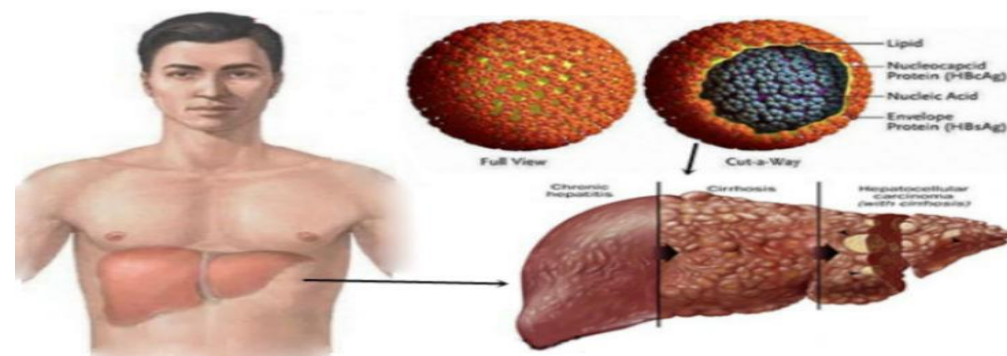
- In the lateral 1/3, the nodule is >1mm
- In the middle 1/3, the nodule is >5mm
- In the medial 1/3, the nodule is >10mm

Not sure?

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

MEDICAL SHARE INFO

HEPATITIS



Why the worker should be vaccinated?

During the Hepatitis screening process, those found with low level of antibody or zero antibody is best advised to be vaccinated against the disease.

Moving forward, one way to eliminate the chances of workers being infected with the virus is Vaccination.

The cost factor is noted but take note, the second most failures after TB related causes recorded in Malaysia is Hepatitis B.

Failure's due to HIV, VDRL or HBV in Malaysia is often angled at the window period as the cause , Lab results obtained from the medical center's for positive cases is otherwise negative,

In the best interest of the worker, vaccination for hepatitis must be encouraged.

How is it prevented?

- Get vaccinated! Hepatitis B vaccination is the best protection. Three shots are usually given over a period of six months.
- Counselling sessions towards the end of medical examination on Hepatitis B and the risk of being infected due to the known factors will assist the workers in their personal hygiene during the window period from the date of medical examination till re-examined in Malaysia.

GENERAL INFO

1. Worker consent before medical examination

- **Kindly ensure before the physical examination the workers sign the letter of consent.**

(Sample of the letter is found in the Medical Examination Guidelines Standard Operating Procedure- 11.2-Appendix B)

<u>LETTER OF CONSENT</u>	
I, Mr./Ms., Passport no.:	
Hereby authorize the Medical Centre to disclose my health records to Bestinet sdn Bhd, and the Government of Malaysia for the purpose of obtaining a work permit	
Thanking you.	
_____ SIGNATURE	_____ DATE

Figure 2: Letter of Consent - Sample

2. Laboratory

- **Urine Test**
 - **Urine testing for drugs Opiates and Cannabis must be done for all workers.**

MOVING FORWARD TELERADIOLOGY



AN INSIGHT INTO TELE-RADIOLOGY

- Transmission of radiological material (studies, series and etc.) from one point to another between two or more involved parties.
- Often misconstrued due to absence of enhanced technology or sophisticated method.
- Sending images using email or other transfer methods are not advised due to compression.
- Compressed images often loses integrity and are NOT readable and missed diagnostic.

CONCEPT OF TELE-RADIOLOGY

- ✓ No Compression
- ✓ DICOM Standard Compliant
- ✓ Image storage facilities are secured and well-protected.
- ✓ Web-based radiologist portal for viewing and reporting.
- ✓ Modality can send images directly to cloud.

BENEFITS OF TELE-RADIOLOGY

- Cost efficient
- Fast turnaround time
- 100% reliable
- Image sharing is simplified
- High accessibility from anywhere
- No user license restriction
- Expandable storage
- Conformance in X-ray reports between radiologist