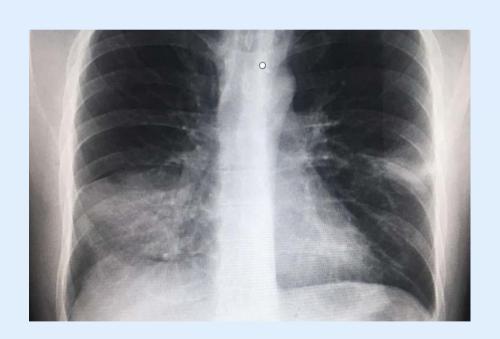
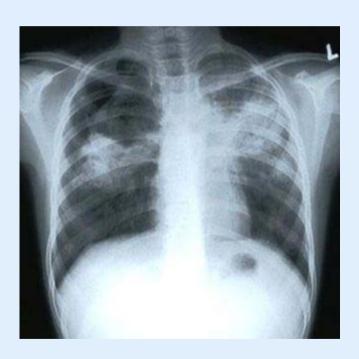


Elite v Mass availability

 Diseases and Challenges of the Rich/Elite are they different from the poor??





Infections



Infections: Pneumonia is top killer; followed by TB; diarrhoeal disease; Malaria



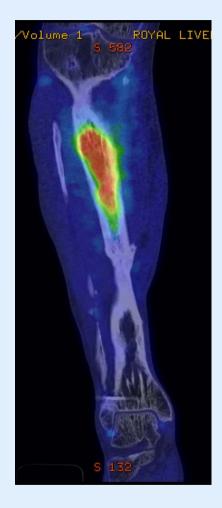
Antibiotic resistance and Multi-drug resistance are emerging challenges (beyond diagnosis and first-line treatment)

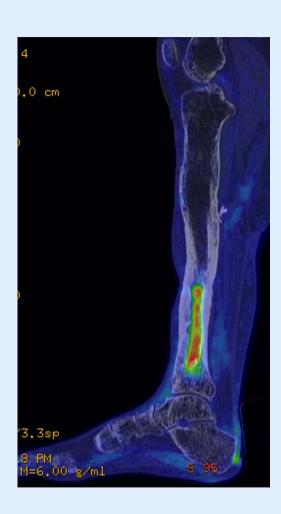


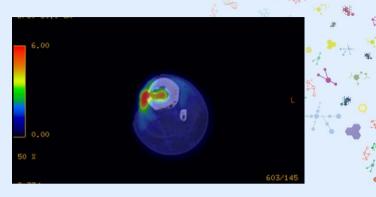
Some communicable diseases such as TB are resurgent due to migration

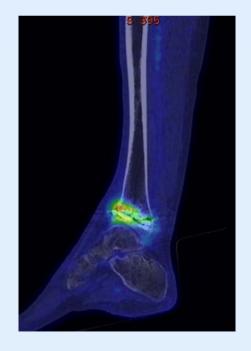
Challenges with Infectious Diseases

- Inflammation v Infection
- Healing v active infection
- Pain around prostheses after hip replacement surgery
- Fever of Unknown Origin
- Fungal Infections
- Super-infections
- Infection v Cancer









Emerging Challenges

- Antibiotic resistance
- Multi-drug resistance
- Diseases attributed to migrations



Infection in migrants/refugees

Unique health needs

Access typically only to basic infrastructure

Basic nutrition and health needs contribute to compliance with treatment, prognosis

Poor immunisation cover/history

Undiagnosed Diabetes/Hypertension





Imaging: Migrants and refugees

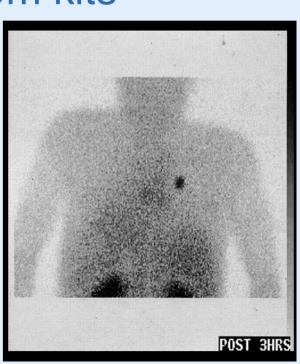
Imaging more akin to "screening" rather than "diagnostic", because of possible unknown chronic conditions

Correlation of imaging with history and biochemistry/microbiology big challenge

Multi-system and multi-disciplinary approach required; if necessary some expertise can be provided remotely via tele/video conferencing

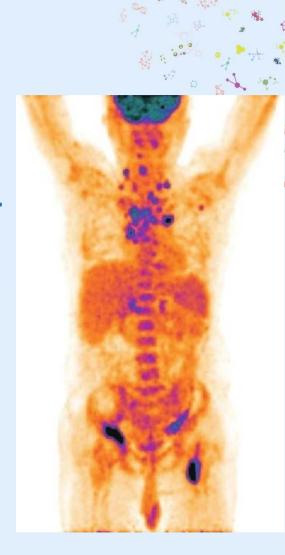
Imaging in Infections

- Plain film
- Ultrasonography
- Isotope scanning with Tc99m kits
- CT scanning
- PET-CT scanning



Infection and PET-CT

- First line in PUO/FUO?
- Infection v Cancer in Lung/Lymphoma...
- Surgical treatment planning
- New more specific molecules (Molecular Imaging)
- MDR-TB (multi-drug resistant TB)
- IAEA CRP on MDR-TB and PET-CT



Thank you