



ASIALAB

**MEDICAL
PHYSICS
DEPARTMENT**



X-Ray Quality Assurance: You Know It Makes Sense

Asia Lab is Malaysia's leading company in radiological management and has been providing performance assessment to medical x-ray facilities since 1998. We have gained recognition from Ministry of Health, Malaysia and is accredited with Class H Licence to provide services relevant to medical x-ray which includes performance tests, auditing, training and certification. We have rich experience in providing performance test for general x-ray, mobile x-ray, dental x-ray, fluoroscopy (include C-Arm, angiography and lithotripter), mammography and computed tomography (CT) scanner.



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INTRODUCTION

X-ray is widely used in diagnostic radiology to assist diagnosis in healthcare industry.

The health benefits of diagnostic radiology are well understood throughout a nation they are demonstrated every single day of the year. Notwithstanding the benefits of x-ray in diagnostic radiology, the radiation risk to patient is still the main concern of medical practitioners. As the major man-made contributor to the radiation dose received by the population, diagnostic radiology needs expert audit.

In Malaysia, Ministry of Health (MOH) had required performance assessments in the medical x-ray facilities to ensure the quality of the X-Ray facilities to provide sufficient image quality while preserve the radiation risk as low as reasonably practicable to patients.

You might be surprised to learn of how critically the performance of your facilities can affect the relationship between image quality and radiation dose. So, how's your facilities performing? Let's get started with the following questions.

- **Are your patients obtaining the benefits of the best quality images at the lowest practicable doses?**
- **Does your licensed facility meet the relevant standards and criterion of Ministry of Health?**
- **Are you aware of the latest requirements in radiation protection policy?**



As Malaysia's leading name in the management of radiological health, we can help you say YES to all of these questions. We can also directly act on your behalf and liaise with the regulatory authorities. We are committed to ensuring that you obtain top quality service.

OUR SERVICES

We recommend you our complete range of tests, which takes only few hours of your machine time, be undertaken once every six months or annually. The services we offer include:-

- Provision of x-ray quality assurance (QA) services
- Provision of appropriate training for yourself
- Provision of radiological consultancy services, including liaising with regulatory authorities and offering advice on regulatory requirements
- Procurement of radiological health and safety facilities
- Personal dosimetry (OSLD)



The quality assurance (QA) assessments for x-ray facilities include the following aspects:

- X-Ray Tube/Generator Performance Tests
- Image Quality Assessments
- Room Protection Measurements
- Tube Leakage Measurements
- Protective Devices Inspection



ACCREDITATION & LICENSES

Asia Lab is the accredited x-ray performance tester (Class H Licence) by Malaysian MOH to provide:

- Provision of quality assurance for medical x-ray facilities;
- Testing for new installation of x-ray equipment, replacement of x-ray tube and similar events;
 - Continuing Medical Education (CME) Training;
 - X-ray room design & construction services
 - X-ray room certification services

We are also certified tester by BAPETEN Indonesia to conduct performance test for all range of diagnostic medical facility in Indonesia.



OUR TEAM

We are supported by a scientific team having more than 50 accumulated years of experience in the medical applications of ionising radiations. Our scientific team are also supported by highly trained graduate technical staff.



Prof Dr David Bradley

A much-travelled expert in radiological and health physics. Prof. David Bradley has worked as consultant physicist in several leading London Hospitals and active in research programme. He is currently a Professor of Radiation and Medical Physics at University of Surrey and Editor-in-Chief of the British Journal of Radiology and Consulting Editor to Elsevier journals.



Prof Dr Yusoff M Amin

Recognised Chartered Radiation Protection Professional and former Professor of Department of Nuclear Physics, University of Malaya. Prof. Dr. Yusoff M. Amin has 20 years' experience in radiation protection consultancy and specialised in radiation detection and measurement.



Prof Dr Md Saion Salikin

Professor of Medical Imaging at MARA University of Technology and Vice President of Malaysian Association Medical Physics (MAMP). Prof Dr. Md Saion is specialised in medical radiation physics, medical imaging and dosimetry.



RADIATION PROTECTION AT ITS BEST. ONLY AT ASIA LAB!