



# X-Ray Quality Assurance: You Know It Makes Sense

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



[WWW.ALYPZ.COM](http://WWW.ALYPZ.COM)



+603 8023 9200



[CONTACT.US@ALYPZ.COM](mailto:CONTACT.US@ALYPZ.COM)



[FB.COM/ALYPZ.GROUP](https://FB.COM/ALYPZ.GROUP)

## INTRODUCTION

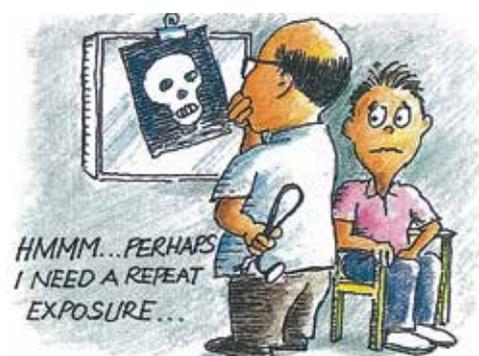
X-ray are widely used in diagnostic radiology to assist diagnosis in the healthcare industry.

The health benefits of diagnostic radiology are well understood and throughout this and other nation they are demonstrated every single day of the year. Notwithstanding the benefits of x-rays in diagnostic radiology, the radiation risks to patients are still one of the main concerns of medical practitioners. As the major man-made contributor to the radiation dose received by the population, diagnostic radiology needs expert audit.

In Malaysia, the Ministry of Health (MOH) requires performance assessments of medical x-ray facilities to ensure the quality of the X-Ray facilities is maintained, providing sufficient image quality while ensuring the radiation risks are 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 are your facilities performing? Let us get started by posing 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 the Ministry of Health?**
- **Are you aware of the latest requirements in regard to radiation protection?**



As Malaysia's leading name in the management of radiological health facilities, we can help you to 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

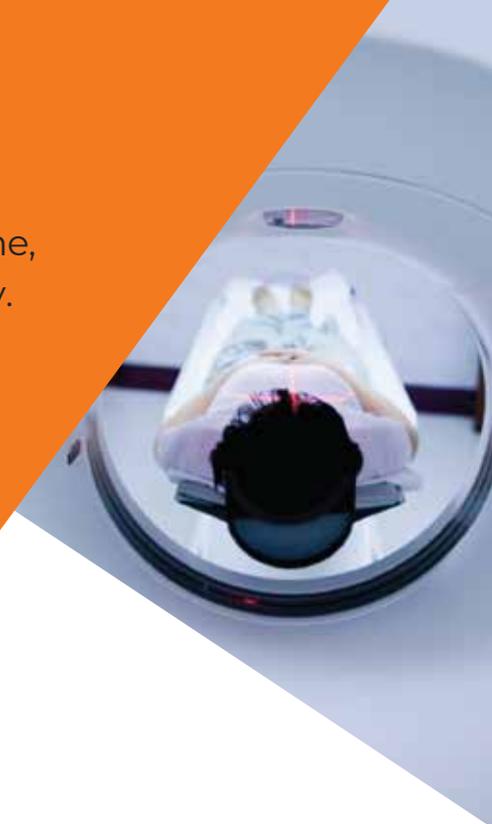
We recommend you the complete range of tests required, taking only few hours of your machine time, to be undertaken once every six months or annually.

The services we offer include:-

- Provision of x-ray quality assurance (QA) services
- Provision of appropriate training for yourself and your staff
- 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

Alypz is accredited for x-ray performance testing (Class H Licence) by the Malaysian MOH to provide:-

- Quality assurance testing for medical x-ray facilities;
- Testing for new installations of x-ray equipment, replacement of x-ray tubes and similar events;
  - Continuing Medical Education (CME) Training;
  - X-ray room design & construction services
  - X-ray room certification services



We are also certified by BAPETEN to conduct performance tests for all diagnostic medical facilities in Indonesia.



## OUR TEAM

We are supported by a scientific team that has more than 100 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 a consultant physicist in several leading UK Hospitals and is active in research. He is currently a Professor of Radiation and Medical Physics at the University of Surrey and has been Editor-in-Chief of the British Journal of Radiology and Consulting Editor to two Elsevier journals.



### Prof Dr Yusoff M Amin

Recognised Chartered Radiation Protection Professional and Professor of Radiation Physics at the Department of Physics, University of Malaya. Prof. Dr. Yusoff M Amin has more than 20 years experience in the radiation protection consultancy and specialises in radiation detection and measurement.



### Prof Dr Md Saion Salikin

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

