



PREAMBLE

The radiation workers who receive doses exceeding the allowable limit, or member of public who accidentally exposed to radiation are required to perform dose assessment using the biological method.

Therefore, Radiation Protection Officer (RPO), Radiation Protection Supervisor (RPS), Atomic Energy Licensing Board personnel and medical officer need to know a basic knowledge on radiation effect to chromosome as the bio-indicator for dose estimation.

During radiation emergency, chromosome aberration of the exposed workers should be analysed as soon as possible; the test result should be clearly comprehended by all personnel, so that immediate decision and medical treatment to the exposed workers can be performed effectively by the emergency response team.

02 – 04 April

KL/Bangi

Chromosome Aberration for Dose Assessment

Aberasi Kromosom untuk Penilaian Dos Sinaran

COURSE OBJECTIVES

- ❖ To provide theory and practical knowledge on chromosome aberration test
- ❖ To create awareness about the effect of radiation to human and basic safety radiation protection
- ❖ To provide understanding on the chromosome aberration images; data analysis as well as chromosome aberration images: data aberration test result

METHODOLOGY

- ❖ Participative lectures
- ❖ Demonstration / Practical
- ❖ Simulation
- ❖ Group discussion

WHO SHOULD ATTEND

RPO, RPS, AELB personnel, Student, Industrial and Medical Radiation Worker, Medical Officer, Researcher.

TRAINERS / FACILITATORS

- ❖ Malaysian Nuclear Agency (Nuklear Malaysia)
- ❖ Ministry of Health (MOH)

CONTENTS

- ❖ Techniques and Applications of Chromosome Aberration for Dose Estimation
- ❖ Biological Safety
- ❖ Media Preparation and Blood Culture
- ❖ Effect of Radiation to Human
- ❖ Types of Chromosome Aberration
- ❖ Cell Harvesting and Slide Preparation
- ❖ Techniques for Measuring Radiation Dose
- ❖ Report and Interpretation of Test Results
- ❖ Chromosome Aberration Analysis and Result Interpretation
- ❖ Group Discussion



Fees / pax	Normal Price	After IPTN discount
Single Registration	RM1,485	RM1,410
Team Registration (2 or more)	RM1,410	RM1,339

