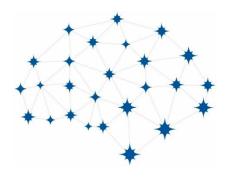
Asian Nuclear Safety Network Education and Training Topical Group Regional Workshop on the Management of Training Systems for Nuclear and Radiological Safety

6-10 November 2023

PNRI, Manila, Philippines



Kazakhstan Akerke Tossekbay



NATIONAL CENTRE FOR NEUROSURGERY

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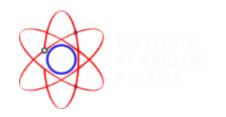






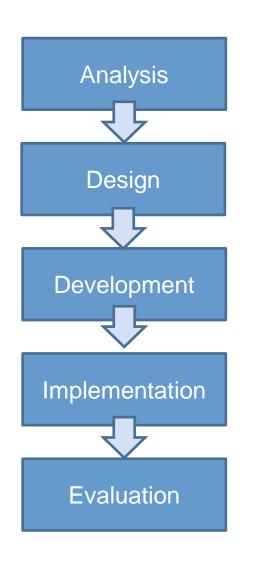


- Concept and vision
- Objectives, scope and main elements
- Ministry of Education,
 Healthcare and Energy,
 Committee of atomic
 and energy supervision
 and control
- A number of major interdisciplinary events are being held, such as conferences, national projects and IAEA visits





Systematic approach to training



In our organization
it is planned to implement
training of personnel
in compliance with
IAEA Nuclear Energy
Series No. NG-T-2.8

Feedback

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Assessment of competence needs

The methodology, tools, and instruments for assessing and managing competencies in the field of radiation safety within our organization may encompass the following components:

- Competency assessment.
- Utilization of accredited entities.
- Knowledge testing.
- Knowledge management system.









ҰЛТТЫҚ НЕЙРОХИРУРГИЯ ОРТАЛЫҒЫ



Приказ Министра адравоохранения Республики Казакства по 15 декабря 2020 года № КР ДСМ-275/2020: Об утверждении Санитарных правил «Санитарно-эпидениологические требования к обеспечению радиационной безопасностью.

Казакстан Республикасы Денсаулық сактау министрікін 2020 жылғы 15 желтоқсандағы № КР ДСМ-275/2020 бұйрығы: ОРАПЛАНИЯСЫ, кауіпсілікі қамтамасын етуге қойылатын санитариялық-апилемиологиялық талаттар» санитариялық қағидалары бекіту туралы

Отделение радиологии и радиохирургии

Радиология жа не радиохирургия белімшесі

С□ улелену көзімен жұмыс істейтін адамдардың жеке с□ улелену дозаларын есепке алу карточкасы

Карточка учета индивидуальных доз облучения лиц, работающих с источниками излучения

Т.А.Ж Ф.И.О ЖСН/ИИН	
ИСК жұмыс істеген мерзімі Период работы с ИИИ:	
Ұйымның толық атауы жо не мекенжайы: Полное название и адрес организации:	«Ұлттық нейрохирургия орталығы» Акционерлік қоғамы Астана қаласы, Тұран даңғылы 34/1 Акционерное общество «Национальный центр
opi dimbalim.	нейрохирургии» город Астана, Проспект Туран 34/1

Сп улелену параметрі	Өлшем бірлігі	ИСК жұмыс істеу кезеңі
Параметр облучения	Единица измерения	За весь период работы с ИИИ
Тиімді доза, Е		
Эффективная доза, Е		
Көзбұршақтағы эквивавленттік доза,		
H ₀ (3)		
Эквивалентная доза в хрусталике		
глаза, H _p (3)		
Аяқ-қолдағы эквиваленттік доза, H _p		
(0,07)		
Эквивалентная доза на конечностях Н		
(0,07)		
ж. бастап бақыланады		
Контроль проводится с г.		

Радиациялық қауіпсіздік инженері Инженер по радиационной безопасности



Training management

- Management of training at our organization
 - The employee training management system is reflected primarily in the principles of recruitment and personnel policy.
 - Materials used for employee training are continuously updated and compared with the latest research and IAEA recommendations.
 - Basic dosimetry, Individual dose control, Shielding, Recovery
 - The hospital has an extensive database available to all employees of the institution.
 - Updated when necessary
 - Training packages are available for all participants of the training program

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Challanges in education and training

At national level

 CQMP in Diagnostic/Therapy Radiology

At organizational level

 lack of time among surgeons

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Networking and sharing in E&T

- Mechanisms for facilitating networking and data exchange among organizations involved in the use of ionizing radiation exist at multiple levels, including the activities of professional associations, regulatory bodies, and individual specialists. Moreover, Ministry of Healthcare systematically organizes number of Conferences and Workshops.
- IT means for networking include digital platforms like online learning systems, webinars, and websites, enabling collaboration among stakeholders for knowledge sharing and skills development.
- Languages of training packages are Kazakh, Russian and English.

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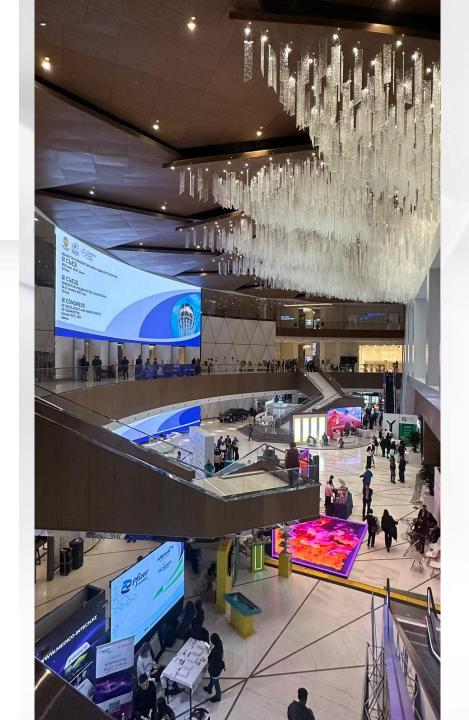
Future plans in education and training

At national level

In the immediate future, the Republic intends to formulate and implement supplementary courses, such as those tailored for technicians, with the aim of providing more comprehensive education in radiation safety for prospective professionals.

At organizational level

Development and implementation of comprehensive written and oral testing on radiation safety



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Thank you!