

# **The Role of Education & Training** **Meeting needs in limited infrastructure**

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*Atoms for Peace: The First Half Century*  
1957-2007

# Education & Training

- **Education: Important, IAEA: Limited**
- **Training: Highly significant contribution by IAEA**
  - **Difficult to find medical physicist in about 70% of developing countries who has not been trained through IAEA**

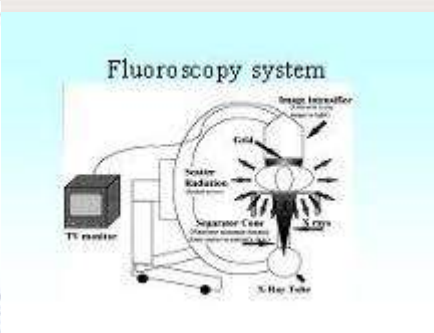
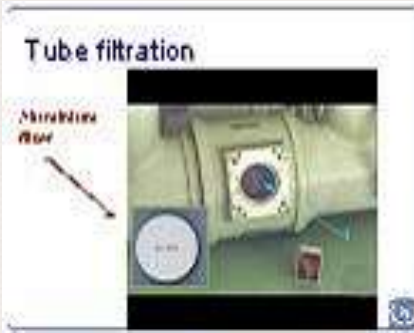
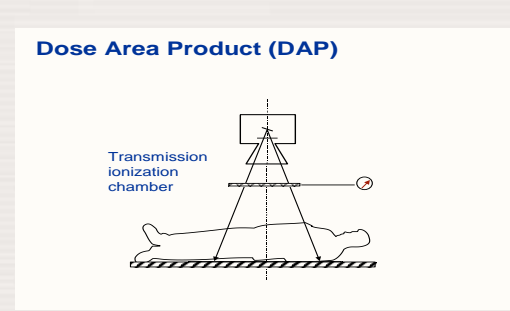
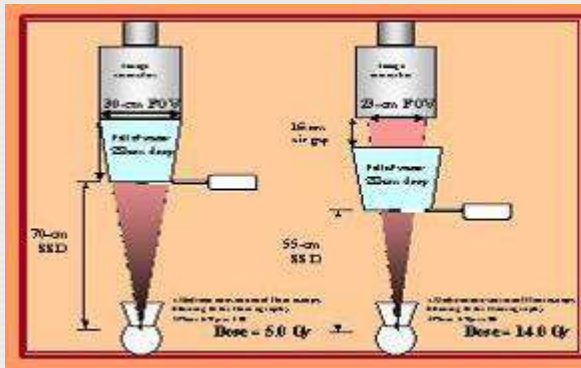
- **IAEA Training courses**
- **Joint ICTP/IAEA**
- **Fellowships/SV**
- **PhD sandwich program**
  
- **Standard syllabus**

# Training courses organized

## Regional Training courses

| Radiation Protection in  | 2011  | 2010                      | 2009                   | 2008                | 2007               | 2006                                  | 2005      | 2004                                   | 2003                                   | 2002                                  |
|--|---|---------------------------|------------------------|---------------------|--------------------|---------------------------------------|-----------|--|--|---------------------------------------|
| Diagnostic & Interventional Radiology including workshop on dose management    | USA<br>Qatar<br>Finland<br>Ghana*<br>Algeria*<br>Peru | Algeria<br>Kenya<br>Italy | Brazil                 | Italy<br>Serbia     | Cost Rica<br>Italy | Kuwait<br>Thailand                    | Kuwait    | Kenya<br>Kuwait                        | India<br>Kuwait<br>Slovenia            | France<br>Kenya<br>Kuwait<br>Malaysia |
| Nuclear Medicine   |   |                           |                        |                     |                    | UAE                                   |           | Saudi Arabia                           | Turkey                                 | Albania<br>Philippines                |
| Radiotherapy/Prevention of Accidental Exposure in Radiotherapy                 |   |                           | Chile                  |                     | Thailand           |                                       | Uruguay   | Ecuador<br>Malaysia<br>Sudan<br>Turkey | France<br>Guatemala<br>Jordan<br>Korea | Chile<br>Cuba<br>Panama<br>Turkey     |
| Medicine (Trainer's Workshop)  |   |                           | Estonia                |                     |                    |                                       |           | Argentina<br>Thailand                  | Argentina<br>Turkey                    | Prague                                |
| Cardiology   | Cuba  | Chile                     | Philippines            | Armenia             | Cost Rica          | Chile<br>Ethiopia<br>Iran<br>Thailand | Singapore | Vienna                                 |  |                                       |
| Radiation Protection for non-cardiologists, non-radiologists using Fluoroscopy |   |                           |                        | Bulgaria<br>Uruguay | UAE                | New Zealand                           |           |  |  |                                       |
| Hybrid Imaging (PET/CT, SPECT/CT)  | Uruguay   | Slovenia                  | Singapore<br>Nicaragua |                     |                    |                                       |           |  |  |                                       |

# Approved Training Package IAEA Training Material on Radiation Protection in Diagnostic and Interventional Radiology



in collaboration with



# IAEA Training material

- **Copies for distribution to members of society**
- **Conference participants**

# FIRST to make available FREE as .ppt

## Free Material



Diagnostic and Interventional Radiology →

Radiotherapy →

Nuclear Medicine →

Prevention of Accidental Exposure in Radiotherapy →

Cardiology →

PET/CT →

Paediatric Radiology →

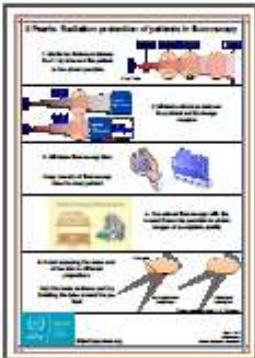

Digital Radiology →

Doctors using fluoroscopy outside radiology (Urologists, Gastroenterologists, Orthopaedic surgeons etc.) →

Русский

# Fluoroscopy

## Radiation Protection in fluoroscopy

| Language                 | Patient  | Staff   |
|--------------------------|--|---|
|                          |                         |                          |
| English                  | 10 pearls on radiation protection of <b>patients</b> in fluoroscopy<br><a href="#">Download PDF</a>      | 10 pearls on radiation protection of <b>staff</b> in fluoroscopy<br><a href="#">Download PDF</a>            |
| عربي<br>(Arabic)         | اللائحة العشر: الوقاية الإشعاعية <b>للمرضى</b> من التنظير الإشعاعي<br><a href="#">Download PDF</a>       | اللائحة العشر: الوقاية الإشعاعية <b>لفريق</b> التنظير الإشعاعي<br><a href="#">Download PDF</a>              |
| български<br>(Bulgarian) | 10 златни правила: Радиационна защита на <b>пациентите</b> при скопия<br><a href="#">Download PDF</a>    | 10 златни правила: Радиационна защита на <b>персонала</b> при скопия<br><a href="#">Download PDF</a>        |
| Hrvatski<br>(Croatian)   | 10 Zlatnih Pravila—Zaštita <b>bolesnika</b> od zračenja u dijaskopiji<br><a href="#">Download PDF</a>    | 10 Bisera: Zaštita <b>osoblja</b> od zračenja pri dijaskopiji<br><a href="#">Download PDF</a>               |
| Français<br>(French)     | 10 Recommandations: Radioprotection des <b>patients</b> en fluoroscopie<br><a href="#">Download PDF</a>  | 10 Recommandations: Radioprotection du <b>personnel</b> en fluoroscopie<br><a href="#">Download PDF</a>     |
| Ελληνικά<br>(Greek)      | 10 χρυσοί κανόνες: Ακτινοπροστασία <b>ασθενών</b> κατά την ακτινοσκόπηση<br><a href="#">Download PDF</a> | 10 χρυσοί κανόνες: Ακτινοπροστασία <b>προσωπικού</b> κατά την ακτινοσκόπηση<br><a href="#">Download PDF</a> |



|  |   |  |
|--|---|--|
| עברית<br>(Hebrew)                        | 10 כללי הזהב להגנת ה <b>מטופל</b> מקרינה<br>בשיקוף<br><a href="#">Download PDF</a>                                    | 10 כללי הזהב להגנת ה <b>הצוות</b> מקרינה בשיקוף<br><a href="#">Download PDF</a>  |
| Indonesia<br>(Indonesian)<br><i>New!</i> | 10 Mutiara: Proteksi Radiasi Bagi <b>Pasien</b><br>pada fluoroskopi<br><a href="#">Download PDF</a>                   | 10 Mutiara: Proteksi Radiasi Bagi <b>Staf</b> Pada<br>Fluoroskopi<br><a href="#">Download PDF</a>                          |
| 한국어<br>(Korean)                          | 10개 원칙: 투시검사 시 <b>환자</b> 의 방사선 방<br>어<br><a href="#">Download PDF</a>   | 10개 원칙: 투시검사 시 <b>종사자</b> 의 방사선 방<br>어<br><a href="#">Download PDF</a>   |
| Македонски<br>(Macedonian)               | 10 Златни правила: Заштита на<br><b>пациентите</b> од радијација при<br>флуороскопија<br><a href="#">Download PDF</a> | 10 Златни правила: Заштита од<br>радијација на <b>персоналот</b> при<br>флуороскопија<br><a href="#">Download PDF</a>      |
| Монгол улс<br>(Mongolian)                |   | 10 Шигтгээ санамж: Рентген харалтын<br>үед <b>ажилтанд</b> үзүүлэх цацрагийн<br>хамгаалалт<br><a href="#">Download PDF</a> |
| Português<br>(Portuguese)                | 10 Recomendações para proteção de<br><b>pacientes</b> em fluoroscopia<br><a href="#">Download PDF</a>                 | 10 Recomendações para a proteção do<br><b>staff</b> em fluoroscopia<br><a href="#">Download PDF</a>                        |
| српски<br>(Serbian) <i>New!</i>          | 10 Bisera: Zaštita <b>pacijenata</b> u<br>fluoroskopiji<br><a href="#">Download PDF</a>                               | 10 Bisera: Zaštita <b>osoblja</b> u fluoroskopiji<br><a href="#">Download PDF</a>  |
| Русский<br>(Russian)                     | 10 Способов радиационной защиты<br><b>пациентов</b><br><a href="#">Download PDF</a>                                   | 10 Способов радиационной защиты<br><b>персонала</b><br><a href="#">Download PDF</a>  |
| Español<br>(Spanish)                     | 10 Recomendaciones para protección de<br><b>pacientes</b> en fluoroscopia<br><a href="#">Download PDF</a>             | 10 Recomendaciones para la protección<br>del <b>staff</b> en fluoroscopia<br><a href="#">Download PDF</a>                  |
| Svenskt<br>(Swedish)                     | 10 råd: Strålskydd för <b>patienter</b> vid<br>genomlysning<br><a href="#">Download PDF</a>                           | 10 råd: Strålskydd för <b>personal</b> vid<br>genomlysning<br><a href="#">Download PDF</a>                                 |

# Thank You



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