



DUBAI HEALTH AUTHORITY
Medical Physics Section

Radiation Safety Assessment Request
For Authorization and Inspection of X-Ray Facilities

طلب تقييم السلامة الإشعاعية لترخيص استخدام الأشعة السينية في المنشآت الطبية

Assessment No/ رقم الطلب / RAD MP /

FACILITY DETAIL		بيانات المنشأة
Facility Name		اسم المنشأة
Facility Owner		مالك المنشأة
Facility Manager		مدير المنشأة
Facility RPO		مسؤول الوقاية من الإشعاع
Trade License and FANR no.		رقم الترخيص التجاري والهيئة الاتحادية للرقابة النووية
Facility Location		موقع المنشأة
Telephone/ Fax/ E-mail	Phone:..... Mob:..... Fax:..... E-mail:	الهاتف - الفاكس - البريد الإلكتروني
Facility Type	<input type="checkbox"/> Hospital / Diagnostic Center <input type="checkbox"/> Polyclinic / Specialty Clinic	نوع المنشأة
	<input type="checkbox"/> Others (Specify).....	
Services provided		الخدمات المقدمة
<input type="checkbox"/> Gen. Radiology (Fixed / Mobile)		
<input type="checkbox"/> Fluoroscopy (Fixed / Mobile)		
<input type="checkbox"/> Mammography (Fixed / Mobile)		
<input type="checkbox"/> Conventional Dental (Fixed / Mobile)		
<input type="checkbox"/> Chiropractic Radiography		
<input type="checkbox"/> Bone Mineral Densitometry		
<input type="checkbox"/> Computed Tomography		
<input type="checkbox"/> Others (Specify).....		



DOCUMENTATION FOR RADIATION PROTECTION REQUIREMENTS										الوثائق المطلوبة لبرنامج الحماية من الاشعاع	
1	List of Occupational Personnel								قائمة موظفي الاشعة		
	Full Name of the Staff اسم الموظف المعني		Position in radiology الوظيفة		Degree completed / Certification المؤهلات العلمية		Licensed by جهة الترخيص		no. of Years of Experience in Radiology سنوات الخبرة		
1			RPO								
2											
3											
2	Radiation Protection Program برنامج الوقاية من الاشعاع				- Provide a radiation safety <u>Local Rules</u> and the relevant radiation protection procedures						
3	Radiation Protection Officer مسؤول الوقاية من الاشعاع				- Provide the name and function of the person (doctor, physicist or radiographer) designated as responsible for radiation protection matters - Provide training, experience.						
4	List of Facilities and Equipment قائمة المنشآت والاجهزة				- Attach drawings, layout of the facility, and other information as applicable as following: <ul style="list-style-type: none"> o Composition and thickness of the walls o X-ray room dimensions o all doors and windows on the drawing o The position of the operator and the X-ray control panel o Direction of the beam o Occupation of the adjacent spaces behind each wall o Radiation Shielding : Required Data for the radiation shielding thickness 						
	Type of X-ray Equipment		Manufacturer	Model #	Installed on	Max. Voltage	Max. Current	Weekly Workload	Wall Lead Thickness	X-Ray Room Dimensions	
1											
2											
3											
5	Protective Clothing or Accessories ادوات التدريع والحماية				- Provide protective coats, gloves, caps, eye glasses..etc to occupational personal						
	Tools and Equipment		Number		Shield thickness		Other Descriptions / Remarks (Manufacture, Location, ...)				
6	Radiological Emergency Plan اجراءات الطوارئ الاشعاعية				- Submit a radiological emergency plan						
7	Program to ensure Control of Radiation sources برنامج ضمان ضبط المصادر (الاجهزة)				- Attach required Quality Control reports for Radiation Protection Checking						
	Personnel Dosimetry قياس الجرعات الاشعاعية للموظفين				- Provide the Personnel external monitoring (personnel dosimetry) - Provide details on internal dosimetry (if applicable) - Name of the company performing the monitoring ,Type of dosimetry badges, and Frequency of the monitoring						



MINIMUM DENTAL ROOM SURFACES AND SHIELDING THICKNESSES					ابعاد غرف الاشعة والتدريع المطلوب
	Main X-Ray Applications	Minimum Required Surface	Structural Shielding Material Walls & Doors	Minimum Shielding Thickness and Height	Remarks
1	Conventional radiography	15 m ²	Leaded Doors and Walls	Walls: 2 mm Doors: 2 mm Height: 2 m	-----
2	Combined Radiography and Fluoroscopy	20 m ²	Leaded Doors and Walls	Walls: 2 mm Doors: 2 mm Height: 2 m	-----
3	Computed Tomography (CT)	24 m ² (Length: 6 m Width: 4 m)	Leaded Doors and Walls	Walls: 2 mm Doors: 2 mm Height: from floor to ceiling	Please note that the height of the shielding is from floor to ceiling!
4	Mammography	9 m ² (3mX3m)	Walls: Stone Wall Board Doors: hard wood or steel	Walls: normal stone wall (2.5 cm min) Doors: 1 mm Steel or 2.5 cm of hard wood	Lead is Not Required in Mammography
5	Dental	2mX3m	Walls: Stone Wall Board Doors: normal door	2.5 cm stone wall	No door shielding is needed
6	Panoramic and Cephalometric	2mX3m	Walls: Stone Wall Board	Walls: normal stone wall (2.5 cm) 1 mm Lead if any occupied room is adjacent to the dental room	2 mm lead window with 2 mm lead door
7	Bone Densitometry	2mX3m	Walls: Stone Wall Board	Normal wall and door	Operator must be at least 1.5 m from the machine
8	Chiropractic X-rays	15 m ²	Walls: Lead Doors: Lead	Walls: 1 mm lead Door: 1 mm Lead	One wall or two may not need lead; this depends on the position of the machine and the Bucky.