

Department	Standard Components	Room Tag:	3688
Room Name	Radiotherapy Simulator Room	Room Code:	RAD-SIM-SJ
Net Room Area Briefed	40.0 M2		
No of Rooms	1		
Subtotal of Briefed Area	40.00 M2		
Hours of Operation	8am to 8pm, daily		
Occupancy	1 patient, up to 2 staff		
Also covers these Rooms			
Description/ Special Requirements	<p>The Radiotherapy Simulator room will accommodate a simulator which will duplicate the beam geometry of the medical linear accelerator. The Simulator is used in treatment planning to localise the treatment field. The Simulator uses low level X-rays, and therefore radiation shielding will be required. A Control Room will be located adjacent to the Simulator Room.</p> <p>Additional Design Requirements:</p> <ul style="list-style-type: none"> - Radiation shielding to walls and glazing as advised by Radiation Consultant - Laser positioning lights will be required to manufacturer's details - 'X-ray in Use' Warning lights will be required at room entrance <p>Body Protected electrical area</p>		
Amendment	<p>13.03.2014 - First Issue</p> <p>24.03.2014 - General revision</p>		

Room Fabric and outline specifications

ID	Fabric	Material	Finish	Specification	Selection	Remarks
5030	Ceiling	Plasterboard	Prefinished	Drop-in tiles, 600x1200		allows access to in-ceiling services
6025	Cornice	Aluminium	Powdercoat	shadow line		
8040	Door protection	Composite	Prefinished PVC	To door frame		
8010	Door protection	Composite	Prefinished PVC	Protection plate to 900 AFFL		
9053	Doors	Solid Core	Prefinished	Single leaf, radiation shielding		920 clear opening; to Control room
9052	Doors	Solid core/ Lead glass	Paint	1 1/2 leaf, observation panel, lead shielding		1350mm clear opening; to Patient entry
1000	Floor finish	Vinyl	Standard slip resistant	Seamless, coved		
7025	Observation	Lead glass	Clear	Internal window		to Control Room
2000	Skirting	Vinyl	Prefinished	Floor vinyl coved, 150 mmH		
3000	Wall finish	Paint	Acrylic, washable			

Fittings and Furniture (FF)

ID	Description	Category	Group	Qty	Selection / Remarks
150	Air flowmeter	Furniture/ Fitting	3	1	if medical air is provided

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Room Name

Radiotherapy Simulator Room

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RAD-SIM-SJ

ID	Description	Category	Group	Qty	Selection / Remarks
1050	Bench: laminate	Furniture/ Fitting	1	1	with inset sink
4430	Cupboard: drawer unit	Furniture/ Fitting	1	1	Full height, FFDA storage drawers
4365	Cupboard: full ht, adj shelves	Furniture/ Fitting	1	1	
4391	Cupboard: special	Furniture/ Fitting	1	1	WedgeTrays & Compensator Tray storage
4391	Cupboard: special	Furniture/ Fitting	1	1	Electron Applicator storage
4391	Cupboard: special	Furniture/ Fitting	1	1	Block Tray storage
4410	Cupboard: under bench	Furniture/ Fitting	1	1	adjustable shelves
4460	Cupboard: wall mounted	Furniture/ Fitting	1	1	over sink bench, adjustable shelves
6152	Dispenser: disposable glove	Furniture/ Fitting	2	1	
6154	Dispenser: paper/ hand towel	Furniture/ Fitting	2	1	to sink
6156	Dispenser: soap	Furniture/ Fitting	2	1	to sink
16250	Oxygen flowmeter	Furniture/ Fitting	3	1	if oxygen is provided
21950	Suction adapter	Furniture/ Fitting	3	1	if suction is provided
22000	Suction bottle	Furniture/ Fitting	3	1	if suction is provided

Fixtures, Equipment and associated Services (FE)

ID	Description	Group	Qty	Ele	Data	Cd	WH	TW	/m	WT	Tap	Dns	Gas	Selection / Remarks
2041	CT Simulator	2	1	yes	yes	—	—	—	—	—	—	—	—	services according to manufacturer's specifications
2022	Positioning laser: radiotherapy	3	3	yes	—	—	—	—	—	—	—	—	—	component of CT simulator package; final quantity as per manufacturer's specifications
47800	Sink, SS: single in bench	1	1	—	—	yes	opt	opt	yes	yes	—	—	—	sensor taps
54510	Telephone: handset, standard	3	1	—	yes	—	—	—	—	—	—	—	—	

Services

ID	Description	Service Category	Qty	Selection / Remarks
1040	Intercom	Communications	1	handsfree, for patient communication
1006	Voice / Data outlet: double	Communications	1	1 outlet for telephone
5000	Airconditioning	HVAC		
6110	Downlights: dimmable	Lighting		
6001	General: colour corrected	Lighting		
7020	Medical Air (MA)	Medical Gases	1	optional
7000	Oxygen (O2)	Medical Gases	1	optional
7040	Suction	Medical Gases	1	optional
9040	Body protected	Power		
9001	GPO: Double	Power	2	final qty according to manufacturer's specifications
9010	GPO: Emergency power, single	Power	2	final qty according to manufacturer's specifications
9060	GPO: Special: for equipment	Power	1	simulator
11000	Wall panel	Services Panels	1	optional
12030	Lead lining	Shielding		to wall, floors & ceiling as per radiation consultant