

Room Name	SPECT-CT Imaging Room		Room Number	SPECT-CT
Revision	2			
Issue Date	24.06.2022			
BRIEFING				
Briefed Area	50.00 m ²			
Hours of Operation	Available 24 Hours			
Occupancy	1 patient; up to 3 staff assisting			
Acoustics	Acoustic privacy is required			
Remarks				
Description / Special Requirements	The SPECT-CT Imaging Room provides the area and facilities for Single Photon Emission Computed Tomography (SPECT) scanning procedures with an adjacent Control Room and Equipment Room. The SPECT-CT Imaging Room will be located with ready access to patient dosing areas. Cable pathways for services between the Control Room, Equipment Room and Imaging Room must be established and coordinated prior to construction and developed based on vendor requirements. Equipment is to be installed to manufacturer's specifications with sufficient clearances for maintenance access. The SPECT-CT Imaging Room must be adequately shielded to ensure that radiation doses to surrounding areas do not exceed radiation dose limits and satisfy design/dose constraints. Where shielding significantly increases the weight of the doors, automatic doors may be considered. Radiation shielding is to be as advised by a qualified Radiation Consultant to suit the practice, workload and equipment procured, and all shielding on the Standard Component is indicative only. Additional Considerations: • Configuration of medical gases is to be confirmed to meet clinical requirements such as the provision of anaesthetic services. • Dimmable lights are recommended and are to be placed to avoid glare to patients. • Back lit ceiling artwork may be installed for patient comfort. • 'X-ray in Use' lights are required outside each entry door. • Room temperature and humidity control is required. Temperature requirements for equipment are to be confirmed by the vendor, including requirement for circulated cooling water. • The need for and extent of emergency power and UPS must be reviewed to suit site specific requirements. UPS power is required to the SPECT-CT scanning and control equipment. Other emergency power and UPS requirements to be confirmed based on risk assessment considering the impact of a power outage on patient care/safety. Some models of SPECT/CT require three phase power to be supplied. • Structural assessment is required to ensure the floor will be rigid with no vibration and will accommodate the weight of the SPECT-CT unit. • Consideration needs to be given to the clearances of equipment and replacement part delivery routes. • Where a service is may be performing minor interventional procedures, a Type A handwashing basin will be required instead of Type B.			
SERVICES				
Electrical	BODY PROTECTED	☒	CARDIAC PROTECTED	☐
HVAC	AIRCONDITIONING	☒	AIRCONDITIONING: hepa filtered	☐
	AIRCONDITIONING: positive pressure	☐	AIRCONDITIONING: negative pressure	☐

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Lighting

EXHAUST: room exhaust

☐

VENTILATION

☐

LIGHTING: colour corrected

☒

LIGHTING: dimmable

☒

LIGHTING: downlights

☐

LIGHTING: downlights, dimmable

☐

LIGHTING: fluorescent/LED,
downlights

☐

LIGHTING: fluorescent/LED, flush with ceiling,
tamper proof

☐

LIGHTING: fluorescent/LED,
general

☒

LIGHTING: indirect

☐
Security / Nurse Call

NURSE CALL SYSTEM

☒
Room Fabrics

AusHFG code	Description	Comment
CLFS-006	CEILING: plasterboard, flush set, suspended, paint, washable	
CLCN-008	CORNICE: square set flush between wall and ceiling, paint	
DWSC-034	DOOR: 1800mm c/o, double leaf, solid core, lead shielding, paint	
DWSC-005	DOOR: 910mm c/o, single leaf, solid core, lead shielding, paint	
DWPR-005	DOOR PROTECTION: protection plate to 900 AFFL	
FLVY-007	FLOOR FINISH: vinyl, seamless, coved, standard slip resistant	floor finish must be minimum slip rating R10; Pendulum P3 or agreed equivalent to extend under basin
DWOB-009	OBSERVATION: internal window, lead glass, clear	optional, patient observation by camera may be considered, glazing to be AS1428 compliant safety glass
FLSK-010	SKIRTING: vinyl, floor vinyl coved, 150H, prefinished	
WLWA-004	WALL FINISH: paint, acrylic, washable	
WLWA-007	WALL FINISH: splashback	
WLWA-020	WALL FINISH: vinyl, to 1500 AFFL	

Fittings, Furniture and Equipment (FF&E) Items

AusHFG code	Description	Group	Qty	Comment
MMGE-002	ADAPTER: suction	3	2	
HYBA-010	BASIN: handwash, Type B	1	1	
FIJO-059	BENCH TOP: 600D, joinery under, laminate finish	1	1	
FQCW-016	BIN: waste, general, 20L	3	1	to basin
FQCW-066	BIN: waste, sharps, on benchtop, shielded	3	1	
MMMI-272	BOARD: disconnect, mains, SPECT/CT	1	1	
MMMI-265	BOARD: distribution, mains, SPECT/CT	1	1	
MMMI-263	BOX: line connection, SPECT/CT	1	1	
FIHR-078	BRACKET: for observation camera, wall mounted	2	2	
FIHR-019	BRACKET: for suction bottle	2	2	

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AusHFG code	Description	Group	Qty	Comment
FIJO-212	BULKHEAD: joinery	1	1	
ITCL-012	CAMERA: observation	2	2	
MMMI-264	CART: collimator, SPECT/CT	2	4	required quantity dependent on patient mix
ITCL-014	CLOCK: analogue, electric	1	1	
FIJO-117	CUPBOARD: tall, double door, adj shelves, lockable	1	1	
FIJO-136	CUPBOARD: underbench, double door, adj shelves, lockable	1	2	
MMMI-262	DEVICE: nuclear medicine, SPECT/CT	2	1	
FIDI-001	DISPENSER: alcohol based hand rub	2	1	
FIDI-014	DISPENSER: disposable glove	2	1	near door
FIDI-025	DISPENSER: paper/hand towel	2	1	to basin
FIDI-030	DISPENSER: soap	2	1	to basin
FIDI-031	DISPENSER: soap antiseptic	2	1	to basin
MGFP-002	FLOWMETER: medical air	3	1	
MGFP-004	FLOWMETER: oxygen	3	2	
FIHR-030	HOOK: equipment, on mounting plate	1	1	
MMMI-100	INJECTOR: contrast, CT	2	1	optional, floor or ceiling mounted to be confirmed
MMGE-045	IV STAND: mobile	3	1	optional
MMGE-179	MACHINE: electrocardiography (ECG), c/w trolley and printer shelf	3	1	procured with SPECT/CT system vendor
MMHA-032	MONITOR: patient, cardiac, SPECT/CT	2	1	
MMMI-273	PHANTOM: SPECT/CT	2	1	
MMBE-042	SLIDE: patient	3	1	
MMGE-100	SUCTION BOTTLE	3	2	
HYTP-037	TAPWARE: mixer, elbow levers	1	1	
MMGE-139	TROLLEY: procedure	3	1	
MMMI-377	WARMER: contrast	3	1	

Engineering Services

AusHFG code	Description	Group	Qty	Comment
ELPR-001	BODY PROTECTED ELECTRICAL AREA	1	1	
ITCL-004	BUTTON: nurse call, emergency	1	1	on services panel + indicator button & light
ITCL-008	BUTTON: nurse call, staff assist	1	1	on services panel + indicator button & light
ELGP-223	GPO: emergency power, double, wall mounted	1	5	to walls
ELGP-122	GPO: emergency power, single, on services panel	1	4	
ELGP-123.1	GPO: emergency power, single, wall mounted (V)	1	2	
ELGP-109	GPO: single, wall mounted	1	2	clock
ELGP-110	GPO: single, wall mounted, cleaner	1	1	
LIFX-038	LIGHT: backlit feature panels	1	2	
LIFX-002	LIGHT: illuminated sign, "X-Ray in Use"	1	1	auto on when modality is in use
ITIN-025	OUTLET: data, double RJ45, on services panel	1	1	

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AusHFG code	Description	Group	Qty	Comment
ITIN-026	OUTLET: data, double RJ45, wall mounted	1	1	on wall near SPECT/CT unit
ITIN-016	OUTLET: data, single RJ45, wall mounted	1	2	
MGAS-022	OUTLET: medical air (MA), on services panel	1	1	on services panel
MGAS-032	OUTLET: nitrous oxide (N2O), on services panel	1	1	optional, on services panel
MGAS-042	OUTLET: oxygen (O2), on services panel	1	2	on services panel
MGAS-053	OUTLET: scavenge, on services panel	1	1	optional, on services panel
MGAS-062	OUTLET: suction, on services panel	1	2	on services panel
ELPR-006	RCD: residual current device	1	1	on services panel
MMSP-026	SERVICES PANEL: wall mounted	1	1	patient services
WLSH-004	SHIELDING: lead lining	1	1	to walls and doors extent as specified by radiation consultant
ELBO-012	SWITCH: light, dimmer	1	1	number determined by number of doors
ELPR-007	UPS: status indicator	1	1	
ELGT-007	UPS: uninterruptable power supply unit	2	1	optional, dependent on vendor requirements