



SPECT-CT Imaging Room

Room Code	SPECT-CT
Briefed Area	50.00 m ²
Ceiling Height	3.0 m
Occupancy	1 patient; up to 3 staff assisting
Hours of Operation	8am to 8pm, daily (dependent on unit operating hours)

Description | 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.

Electrical | PROTECTION: body protected ☒
PROTECTION: cardiac protected ☐

Lighting | LIGHTING: general ☒
LIGHTING: colour corrected ☒
LIGHTING: dimmable ☒
LIGHTING: indirect ☐

Nurse Call and Duress | NURSE CALL SYSTEM: buttons / handset ☒

HVAC | AIRCONDITIONING: general ☒
AIRCONDITIONING: HEPA filtered ☐
AIRCONDITIONING: positive pressure ☐
AIRCONDITIONING: negative pressure ☐
VENTILATION: exhaust ☐
VENTILATION: natural ☐

Additional Considerations

- 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.
- 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.



Doors and Windows

CODE	DESCRIPTION	COMMENT
DOHI-204.02	DOOR: hinged, 2 leaves, 1800 clear opening, solid, shielded	[DWSC-034] to corridor
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	[DWPR-005] to room side
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	[DWPR-005] to corridor side, extent dependent on movement of beds and mobile equipment in adjacent area; to be coordinated with corridor wall protection
DOHI-003.02	DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded	[DWSC-005]
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	[DWPR-005] to room side
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	[DWPR-005] to corridor side, extent dependent on movement of beds and mobile equipment in adjacent area; to be coordinated with corridor wall protection
WIFX-007.03	WINDOW: fixed, internal, single glazed, sill at 900H, shielded, lead glass	[DWOB-009] optional, patient observation by camera may be considered, glazing to be AS1428 compliant safety glass



Finishes

CODE	DESCRIPTION	COMMENT
FLVY-101	FLOOR FINISH: vinyl, seamless, standard slip resistance	[FLVY-007] floor finish must be minimum slip rating R10 / Pendulum P3 or agreed equivalent to extend under basin or inset section of non-slip vinyl required
FLSK-021	SKIRTING: vinyl, integral with floor vinyl, coved	[FLSK-010]
WLFI-001	WALL FINISH: paint	[WLWA-004]
WLFI-011.04	WALL FINISH: vinyl, to 1500 AFFL	[WLWA-020]
WLFI-101	SPLASHBACK: vinyl	[WLWA-007]
CLFS-011	CEILING: flush set, suspended	[CLFS-006]
CLFI-002	CEILING FINISH: paint, clinical areas	[CLFS-006]
CLCN-031	CORNICE: square set	[CLCN-008]



Joinery

CODE	DESCRIPTION	GROUP	QTY	COMMENT
JOBE-031	BENCH: 600D, laminate	1	1	[FIJO-059]
JOCU-021	CUPBOARD: tall, double door	1	1	[FIJO-117]
JOCU-221	CUPBOARD: under bench, double door	1	2	[FIJO-136]
JOGE-001	BULKHEAD: joinery	1	1	[FIJO-212]



Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIDI-106	DISPENSER: PPE, disposable gloves, wall mounted	2	1	[FIDI-014] near door
FIDI-231	DISPENSER: paper towel, wall mounted	2	1	[FIDI-025] to basin
FIDI-241	DISPENSER: alcohol-based hand rub, wall mounted	2	1	[FIDI-001]
FIDI-256	DISPENSER: soap, wall mounted	2	1	[FIDI-030] to basin

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIDI-261	DISPENSER: soap, antimicrobial, wall mounted	②	1	[FIDI-031] to basin
FIHR-030	HOOK: equipment, patient slide, wall mounted	①	1	[FIHR-030]
FIHR-101	BRACKET: suction bottle, wall mounted	②	2	[FIHR-019]
FQWS-017	BIN: sharps, clinical, radioactive, high energy, small	③	1	[FQCW-066]
FQWS-051	BIN: general waste, 20L	③	1	[FQCW-016] to basin
HYBA-121	BASIN: type B, handwashing	①	1	[HYBA-010]
HYTP-067	TAPWARE: basin, tap set, wall mounted, lever handles	①	1	[HYTP-037]
ITBU-441	CLOCK: analogue display, electric, wall mounted	①	1	[ITCL-014]
ITCL-431	CAMERA: patient observation, ceiling mounted	①	1	[ITCL-012 + FIHR-077]
ITCL-432	CAMERA: patient observation, wall mounted	①	1	[ITCL-012 + FIHR-078]
MIGE-041	WARMER: contrast, benchtop	③	1	[MMMI-377]
MISP-041	PHANTOM: SPECT-CT	③	1	[MMMI-273]
MMBE-031	TRANSFER AID: patient slide board, staff assisted patient transfer	③	1	[MMBE-042]
MMGE-045	POLE: IV, mobile	③	1	[MMGE-045] optional
MMGE-191	CANNISTER: suction bottle	③	2	[MMGE-100]
MMGE-337	DEVICE: electrocardiography (ECG), with trolley	③	1	[MMGE-179] procured with SPECT/CT system vendor
MMPM-021	MONITOR: patient, high acuity	③	1	[MMHA-032]
MMTR-094	TROLLEY: procedure, 900W x 490D x 900H nom	③	1	[MMGE-139]



Major Medical Equipment (MME)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
MIGE-051	INJECTOR: contrast, pedestal, mobile	②	1	[MMMI-100] optional, floor or ceiling mounted to be confirmed
MISP-001	IMAGING DEVICE: SPECT-CT	②	1	[MMMI-262]
MISP-009	CART: collimator, SPECT-CT	②	4	[MMMI-264] required quantity dependent on patient mix
MISP-021	SYSTEM CABINET: SPECT-CT	②	1	[MMMI-263]
MISP-023	BOARD: electrical distribution (EDB), SPECT-CT	②	1	[MMMI-265]
MISP-023	BOARD: electrical distribution (EDB), SPECT-CT	②	1	[MMMI-272]



Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGE-051	POWER SUPPLY UNIT: uninterruptable power supply (UPS)	①	1	[ELGT-007] optional, dependent on vendor requirements
ELGP-101	GPO: single, wall mounted	①	2	[ELGP-109] clock
ELGP-105	GPO: single, wall mounted, cleaner	①	1	[ELGP-110]
ELGP-131	GPO: single, emergency power, wall mounted	①	1	[ELGP-123.1]
ELGP-231	GPO: double, emergency power, wall mounted	①	5	[ELGP-223] to walls
ELPR-031	PANEL: UPS status indicator, wall mounted	①	1	[ELPR-007]
ELPR-071	RCD: residual current device, wall mounted	①	1	[ELPR-006] on services panel

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELSW-021	SWITCH: light, dimmer	①	1	[ELBO-012] number determined by number of doors
ITCL-181	BUTTON: nurse call, staff assist, with cancel, wall mounted	①	1	[ITCL-008] on services panel + indicator button & light
ITCL-191	BUTTON: nurse call, emergency, with cancel, wall mounted	①	1	[ITCL-004] on services panel + indicator button & light
ITIN-016	OUTLET: data, single RJ45, wall mounted	①	2	[ITIN-016]
ITIN-026	OUTLET: data, double RJ45, wall mounted	①	1	[ITIN-026] on wall near SPECT/CT unit
LIFX-192	LIGHT: feature, backlit panels, ceiling mounted	①	2	[LIFX-038]
LIFX-213	LIGHT: illuminated sign, x-ray in use	①	1	[LIFX-002] auto on when modality is in use



Medical Services Panels and Pendants

CODE	DESCRIPTION	GROUP	QTY	COMMENT
Panel 1				
MMSP-051	MEDICAL SERVICES PANEL: wall mounted	①	1	[MMSP-026] patient services
ELGP-146	GPO: single, emergency power, on services panel	①	4	[ELGP-122]
ITIN-025	OUTLET: data, double RJ45, on services panel	①	1	[ITIN-025]
MGAS-022	OUTLET: medical air, on services panel	①	1	[MGAS-022]
MGAS-032	OUTLET: nitrous oxide (N2O), on services panel	①	1	[MGAS-032] optional
MGAS-042	OUTLET: oxygen (O2), on services panel	①	2	[MGAS-042]
MGAS-052	OUTLET: scavenge, on services panel	①	1	[MGAS-053] optional
MGAS-062	OUTLET: suction, on services panel	①	2	[MGAS-062]
MGFP-021	FLOWMETER: medical air	③	1	[MGFP-002]
MGFP-041	FLOWMETER: oxygen	③	2	[MGFP-004]
MGFP-061	ADAPTER: suction	③	2	[MMGE-002]

For guidance on how to use the Room Data Sheet, please visit the [AusHFG website](#).