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CT Planning Room

Room Code	CTPR
Briefed Area	45.00 m ²
Ceiling Height	3.0 m
Occupancy	1 patient; up to 4 staff assisting
Hours of Operation	8am to 6pm, daily (dependent on unit operating hours)

Description | The CT Planning Room provides space and facilities for Computed Tomography (CT) scanning procedures as part of the planning of radiation therapy treatment for patients. A collocated Control Room with observation window is required for the remote operation of equipment.

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

- An Equipment Room may be required and will need to be in close proximity due to acceptable cable lengths.
- Cable ducts between the Scanning Room, Control Room and Equipment Room will be required. Equipment is to be installed to manufacturer's specifications with sufficient clearances for maintenance access.
- The CT Planning Room must be adequately shielded. Radiation shielding is to be as advised and confirmed by a Radiation Consultant to suit the equipment procured. 'X-ray in Use' lights are required outside each entry door to be illuminated when scanning begins.
- Interlock system to doors recommended to prevent machine from running if door open and to stop the machine upon entry if in use.
- Additional medical gases may be provided (including additional oxygen, additional suction, nitrous oxide and scavenge) depending on clinical requirements, such as the provision of anaesthetic services.
- Dimmable lights are to be provided and lights are to be placed to avoid glare to patients.
- Back lit ceiling artwork may be installed for patient comfort and distraction.
- Where possible, it is preferred that ductwork in the ceiling is designed to the perimeter of room to allow for future flexibility to provide ceiling mounted equipment.
- The need for and extent of emergency and UPS power must be reviewed to suit site specific requirements and confirmed based on risk assessment considering the impact of a power outage on patient care/safety.
- Unistrut ceiling able to carry moving loads may be required.
- A mix of respiratory gating, surface guidance, motion management and/or patient position technologies may be provided depending on clinical/service requirements and will be coordinated to support the technologies provided in the Linear Accelerator Treatment Room. The provision of these technologies is to be confirmed by the project and may have additional design requirements including additional power/data, water cooling, heat load, possible increased set down, increased number of trenches/conduits, space requirements for computer cabinets in control room and additional penetrations through the suspended ceiling. Requirements to be confirmed with vendors.



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 imaging 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] to control room
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	[DWPR-005] to imaging room side
AFDPR-006.01	DOOR PROTECTION: plate, to 900H	[DWPR-005] to control room side
WIFX-007.03	WINDOW: fixed, internal, single glazed, sill at 900H, shielded, lead glass	[DWOB-009] safety glass, to control room



Finishes

CODE	DESCRIPTION	COMMENT
FLVY-103	FLOOR FINISH: vinyl, seamless, standard slip resistance, static dissipative	[FLVY-001] 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]
CLTI-022.02	CEILING: drop-in tiles, acoustic, prefinished, 600 x 1200	[CLTI-002]
CLCN-041	CORNICE: wall trim fixing, prefinished	[CLCN-009]



Joinery

CODE	DESCRIPTION	GROUP	QTY	COMMENT
JOBE-031	BENCH: 600D, laminate	①	1	[FIJO-059]
JOCU-221	CUPBOARD: under bench, double door	①	3	[FIJO-135]
JOGE-001	BULKHEAD: joinery	①	2	[FIJO-212] plasterboard bulkhead is also acceptable
JOSH-101	SHELF UNIT: wall mounted, adjustable shelves	①	2	[FIJO-152]
JOSP-032	JOINERY UNIT: bespoke, radiotherapy, tall, horizontal patient device storage	①	2	[FIJO-166]
JOSP-033	JOINERY UNIT: bespoke, radiotherapy, tall, vertical patient device storage	①	1	[FIJO-167]



Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIDI-106	DISPENSER: PPE, disposable gloves, wall mounted	②	1	[FIDI-014]
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] for patient slide
FIHR-091	HOOK: anchor point, for attaching patient self-assist positioning aid, wall mounted	①	1	[FIHR-092]
FIHR-101	BRACKET: suction bottle, wall mounted	②	1	[FIHR-019]
FQCL-211	LINEN CARRIER: dirty, single skip	③	1	[MMGE-048]
FQWS-003	BIN: sharps, clinical, medium	③	1	[FQCW-043]
FQWS-031	CART: sharps bin, clinical	③	1	[MMGE-142]
FQWS-051	BIN: general waste, 20L	③	1	[FQCW-016] to basin
FQWS-231	BIN: clinical waste, 20L	③	1	[FQCW-005]
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-078] for patient observation or visualisation of additional monitoring equipment, pan, tilt and zoom (PTZ) capability is required, quantity to be based on equipment and service requirements
ITCL-432	CAMERA: patient observation, wall mounted	①	1	[ITCL-012 + FIHR-077] optional; for patient observation or visualisation of additional monitoring equipment, pan, tilt and zoom (PTZ) capability is required, quantity to be based on equipment and service requirements
ITNE-101	COMPUTER: single display screen, central processing unit (CPU), keyboard and mouse, desktop	③	1	[ITNE-007]
MIGE-041	WARMER: contrast, benchtop	③	1	[MMMI-377] may be located in control room
MMBE-031	TRANSFER AID: patient slide board, staff assisted patient transfer	③	1	[MMBE-042] patient transfer devices to be based on operational requirements and WHS policies
MMGE-191	CANNISTER: suction bottle	③	1	[MMGE-100]
MMRA-056	LASER: patient positioning, radiotherapy, table tracking	②	1	[MMRA-019]
MMRA-061	LASER: patient positioning, radiotherapy, bridge	②	1	[MMRA-014] wall and ceiling mounted lasers are also acceptable
MMRA-151	DEVICE: oven, thermoplastic warming, radiotherapy moulds	②	1	[MMRA-020]
MMTR-094	TROLLEY: procedure, 900W x 490D x 900H nom	③	1	[MMGE-139]



Major Medical Equipment (MME)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
MICT-002	IMAGING DEVICE: computerised tomography (CT), gantry, wide bore	②	1	[MMMI-109]
MICT-006	TABLE: patient, computerised tomography (CT)	②	1	[MMMI-105]
MIGE-053	INJECTOR: contrast, ceiling mounted	②	1	[MMMI-107] may be mobile
MMRA-071	DEVICE: surface guided radiation therapy system, ceiling mounted	②	1	[MMRA-008 + FIHR-089] as required for respiratory gating / motion management / surface guidance systems, to suit service requirements



Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-101	GPO: single, wall mounted	①	1	[ELGP-109] to clock
ELGP-106	GPO: single, ceiling mounted	①	1	[ELGP-101] optional, to additional patient observation camera if provided
ELGP-106	GPO: single, ceiling mounted	①	1	[ELGP-101] to patient observation camera
ELGP-201	GPO: double, wall mounted	①	1	[ELGP-208]
ELPR-071	RCD: residual current device, wall mounted	①	3	[ELPR-006]
ELSW-001	SWITCH: light	①	1	[ELBO-015]
ELSW-021	SWITCH: light, dimmer	①	1	[ELBO-012]
ELSW-121	BUTTON: emergency stop, wall mounted	①	1	[ELBO-001]
HYDR-201	DIRECT CONNECTION: wastewater, general	①	1	to basin
HYTP-451	DIRECT CONNECTION: water, cold	①	1	to basin tapware
HYTP-453	DIRECT CONNECTION: water, warm	①	1	to basin tapware
ITCL-111	LIGHT: nurse call indicator, ceiling mounted	①	1	outside entry door
ITCL-181	BUTTON: nurse call, staff assist, with cancel, wall mounted	①	1	[ITCL-008]
ITCL-191	BUTTON: nurse call, emergency, with cancel, wall mounted	①	1	[ITCL-004]
ITIN-011	OUTLET: data, single RJ45, ceiling mounted	①	1	[ITIN-011] to patient observation camera
ITIN-016	OUTLET: data, single RJ45, wall mounted	①	1	[ITIN-011] optional, to additional patient observation camera if provided
ITIN-016	OUTLET: data, single RJ45, wall mounted	①	1	[ITIN-016]
ITIN-026	OUTLET: data, double RJ45, wall mounted	①	1	[ITIN-026]
ITSE-297	BUTTON: door release, remote activation, wall mounted	①	1	[ITSE-025]
LIFX-192	LIGHT: feature, backlit panels, ceiling mounted	①	2	[LIFX-038] desirable
LIFX-213	LIGHT: illuminated sign, x-ray in use	①	2	[LIFX-002] outside room doors, auto-on when modality 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]
ELGP-146	GPO: single, emergency power, on services panel	①	3	[ELGP-122]
ELPR-083	RCD: residual current device, emergency power, on services panel	①	1	[ELPR-006]
ITIN-025	OUTLET: data, double RJ45, on services panel	①	1	[ITIN-025]
MGAS-042	OUTLET: oxygen (O2), on services panel	①	1	[MGAS-042]
MGAS-062	OUTLET: suction, on services panel	①	1	[MGAS-062]
MGFP-041	FLOWMETER: oxygen	③	1	[MGFP-004]
MGFP-061	ADAPTER: suction	③	1	[MMGE-002]

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