AusHFG
Australasian Health Facility Guidelines

OPG Room

Room Code	OPG
Briefed Area	19.00 m²
Ceiling Height	2.7 m
Occupancy	1 patient; 1 staff
Hours of Operation	Up to 24 hours

Description

The OPG Room provides the space and equipment for diagnostic orthopantomogram x-ray imaging which produces panoramic x-rays of the jaw. This Standard Component may be located within a Dental/Oral Health Unit or Medical Imaging Unit.

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 ✓
- NURSE CALL SYSTEM: annunciator ☐
- DURESS: fixed ✓
- DURESS: wireless coverage ✓

Security
- ACCESS CONTROL: to door ☐
- ACCESS CONTROL: to item / joinery ☐
- INTERCOM: service communications ☐
- INTERCOM: security and access control ☐
- CCTV: camera coverage within room ☐
- INTRUSION DETECTION: door monitoring ☐
- INTRUSION DETECTION: spatial monitoring ☐

ICT and Audio Visual
- AUDIO VISUAL: patient entertainment system ☐
- AUDIO VISUAL: visitor experiance system ☐
- AUDIO VISUAL: virtual collaboration system ☐
- AUDIO VISUAL: clinical support system ☐
- AUDIO VISUAL: digital operating room system ☐

Accessibility
- AUDIO: hearing augmentation ☐
- VISUAL: luminance contrast ✓
- SIGNAGE: accessible, statuatory ☐

HVAC
- AIRCONDITIONING: general ✓
- AIRCONDITIONING: HEPA filtered ☐
- AIRCONDITIONING: positive pressure ☐
- AIRCONDITIONING: negative pressure ☐
- VENTILATION: exhaust ☐
- VENTILATION: supply ☐
- VENTILATION: natural ☐

Medical Gas
- MEDICAL GAS: general anaesthesia ☐
- MEDICAL GAS: special care ☐
- MEDICAL GAS: special care, neonatal ventilation ☐
- MEDICAL GAS: birthing ☐

Hydraulic
- WATER: drinking ✓
- WATER: specialty ☐
- DRAINAGE: sanitary ✓
- DRAINAGE: specialty ☐

Fire
- DETECTION: smoke ✓
- DETECTION: heat ☐

Shielding
- SHIELDING: ionising radiation ✓
- SHIELDING: magentic and radio frequency ☐

Acoustics

SPEECH PRIVACY:
not private ···· moderate ···· ▼private ···· confidential

NOISE SENSITIVITY:
not sensitive ···· ▼medium sensitive ···· sensitive

NOISE GENERATION:
low ···· ▼moderate ···· high ···· very high

Additional Considerations

● Equipment is to be installed to manufacturer's specifications with sufficient clearances for maintenance access. Installation and replacement access routes should also be considered. Additional building services connections and outlets are to be coordinated to suit equipment requirements. Cable ducts for services between the imaging device and the control area will be required and must be coordinated with the MME vendor.

● The OPG Room is designed to accommodate OPG, Lateral Cephalogram and Cone Beam CT imaging devices with minor adjustments to suit equipment and meet shielding requirements.

● Radiation shielding requirements are to be assessed and advised by a qualified Radiation Consultant to suit the practice, workload and equipment procured, and all shielding on the Standard Component is indicative. Depending on the equipment selected, a door may be required between the imaging area and the control area to provide adequate shielding.

● An 'X-ray in Use' light system is required with signs that are illuminated when the imaging device is on and turned off when it stops. Signs are to be at all doors entering the room.

- Provision of height adjustable workstations or fixed joinery is to be in line with service requirements and local WHS policies.
- The type, extent and configuration of storage within the room for consumables, linen, equipment, etc. will be dependent on service requirements, operational policies for stock centralisation/decanting and infection prevention and control policies.
- Hours of operation depend on the service in which this room is located. Ambulatory medical imaging services may only operate during business hours or extended business hours, some small hospital services may have an on-call, after-hours service. Large units are likely to provide a 24-hour service, especially where a satellite service is provided with an emergency department.
- Size, type and quantity of waste bins is dependent on waste management policies (e.g. for waste separation, frequency of waste removal, etc.) and service requirements.
- Requirement for fixed and/or mobile duress to be confirmed to suit service requirements.
- An operational model for responding to calls from staff/patients will be needed to support the inclusion of a nurse call system and is to be determined based on service requirements.
- The final services and configuration of the Medical Services Panel (MSP) - medical gases, nurse call, power and data - will be dependent on service requirements.
- The need for and extent of emergency power and UPS 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.

Doors and Windows

CODE	DESCRIPTION	COMMENT
DOHI-003.02	DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded	to imaging area
AFDPR-006.01	*DOOR PROTECTION: plate, to 900H*	*to both sides of door*
DOHI-003.02	DOOR: hinged, 1 leaf, 900 clear opening, solid, shielded	to control workstation area
AFDPR-006.01	*DOOR PROTECTION: plate, to 900H*	*to both sides of door*
WIFX-008.03	WINDOW: fixed, internal, single glazed, sill at 1050H, shielded, lead glass	for observation from control room

Finishes

CODE	DESCRIPTION	COMMENT
FLVY-101	FLOOR FINISH: vinyl, seamless, standard slip resistance	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	
WLFI-002	WALL FINISH: paint, clinical areas	
WLFI-101	SPLASHBACK: vinyl	to basin
CLTI-021	CEILING: drop-in tiles, prefinished	
CLCN-041	CORNICE: wall trim fixing, prefinished	

Joinery

CODE	DESCRIPTION	GROUP	QTY	COMMENT
JOBE-061	BENCH: 750D, laminate	1	1	
JOBE-251	CAP: cable access	1	2	

Fittings, Furniture and Equipment (FF&E)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIBM-019	WHITEBOARD: fixed, magnetic	2	1	
FIDI-106	DISPENSER: PPE, disposable gloves, wall mounted	2	1	

CODE	DESCRIPTION	GROUP	QTY	COMMENT
FIDI-181	DISPENSER: cleaning wipes, wall mounted	2	1	
FIDI-231	DISPENSER: paper towel, wall mounted	2	1	to basin
FIDI-241	DISPENSER: alcohol-based hand rub, wall mounted	2	1	
FIDI-256	DISPENSER: soap, wall mounted	2	1	to basin
FIDI-261	DISPENSER: soap, antiseptic, wall mounted	2	1	to basin
FIHR-026	HOOK: coat	1	2	optional - for patient property, 1 mounted at 1200H if provided
FIHR-101	BRACKET: suction bottle, wall mounted	2	1	
FIHR-126	RACK: lead apron, multi, wall mounted	2	1	
FIHR-151	PANEL: storage baskets, wall mounted	2	1	optional - for storage of consumables and PPE items to meet service requirements
FIHR-161	BRACKET: storage basket, wall mounted	2	1	located close to medical services panel
FIHR-201	BRACKET: central processing unit (CPU), under bench/desk	2	1	
FQBS-172	CHAIR: office, ergonomic, high	3	1	
FQGE-112	BASKET: storage, for wall mounted panel, small	3	1	
FQSN-204	SHELVING UNIT: floor standing, adjustable shelves, 400D x 900W x 2100H nominal	3	1	type and extent of storage to suit service requirements, operational policies for stock centralisation/decanting and infection prevention and control policies
FQWS-051	BIN: general waste, 20L	3	1	to basin
HYBA-121	BASIN: type B, handwashing	1	1	
HYTP-067	TAPWARE: basin, tap set, wall mounted, lever handles	1	1	
ITNE-071	TELEPHONE: handset, desktop	3	1	
ITNE-101	COMPUTER: single display screen, central processing unit (CPU), keyboard and mouse, desktop	3	1	
ITNE-153	COMPUTER: central processing unit (CPU), PACS	3	1	
ITNE-172	DISPLAY SCREEN: computer, PACS	3	1	
ITNE-201	INPUT DEVICE: keyboard and mouse	3	1	
ITNE-341	SCANNER: desktop, document, flatbed, desktop	3	1	
MMGE-191	CANNISTER: suction bottle	3	1	
MMTR-001.02	TROLLEY: stainless steel, 490W x 490D x 900H nom, 2 tier	3	1	

Major Medical Equipment (MME)

CODE	DESCRIPTION	GROUP	QTY	COMMENT
MIOC-001	IMAGING DEVICE: orthopantomogram (OPG)	2	1	
MIOC-011	CONTROL PANEL: orthopantomogram (OPG), remote activation	2	1	

Engineering Services

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-105	GPO: single, wall mounted, cleaner	1	1	
ELGP-201	GPO: double, wall mounted	1	1	to workstation, over desk for portable devices

Room code: OPG

CODE	DESCRIPTION	GROUP	QTY	COMMENT
ELGP-231	GPO: double, emergency power, wall mounted	1	1	to imaging equipment
ELGP-231	GPO: double, emergency power, wall mounted	1	4	to control workstation
ELPR-071	RCD: residual current device, wall mounted	1	1	to imaging device
ELSW-021	SWITCH: light, dimmer	1	1	to general room lighting
ELSW-043	SWITCH: light, x-ray in use	1	1	
ELSW-121	BUTTON: emergency stop, wall mounted	1	1	main power emergency stop, refer to equipment manufacturer for safety and compatibility with equipment
HYDR-201	DIRECT CONNECTION: waste water	1	1	to basin
HYTP-451	DIRECT CONNECTION: water, cold	1	1	to basin
HYTP-453	DIRECT CONNECTION: water, warm	1	1	to basin
ITCL-181	BUTTON: staff assist, with cancel, wall mounted	1	1	
ITCL-191	BUTTON: emergency, with cancel, wall mounted	1	1	
ITIN-016	OUTLET: data, single RJ45, wall mounted	1	1	as required for imaging device connection to remote activation panel
ITIN-026	OUTLET: data, double RJ45, wall mounted	1	1	to imaging device
ITIN-026	OUTLET: data, double RJ45, wall mounted	1	2	to control workstation
ITSE-061	BUTTON: security, duress, fixed, wall mounted	1	2	1 close to imaging device, 1 to control workstation area
LIFX-213	LIGHT: illuminated sign, x-ray in use	1	2	outside room entries, to automatically turn 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	
ELGP-146	*GPO: single, emergency power, on service panel*	1	*1*	
ELPR-073	*RCD: residual current device, on services panel*	1	*2*	
MGAS-022	*OUTLET: medical air, on services panel*	1	*1*	
MGAS-042	*OUTLET: oxygen (O2), on services panel*	1	*1*	
MGAS-062	*OUTLET: suction, on services panel*	1	*1*	
MGFP-021	*FLOWMETER: medical air*	3	*1*	
MGFP-041	*FLOWMETER: oxygen*	3	*1*	
MGFP-061	*ADAPTER: suction*	3	*1*	