

Part B - Health Facility Briefing and Planning

450 MEDICAL IMAGING - ANGIOGRAPHY

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INTRODUCTION

Description

- 450 .2.00 The Angiography Unit may be an additional space within the Medical Imaging Unit or a separate Unit which provides facilities for diagnostic X-ray investigations of the heart and blood vessels.

PLANNING

Functional Areas

- 450 .3.00 If the Angiography Unit is provided as a freestanding facility, the following additional facilities/ requirements will be applicable:
- Reception
 - Film Storage
 - Clean Utility
 - Dirty Utility
 - Patient Toilet / Change
 - Staff Toilet / Change
 - Radiation Protection.

Functional Relationships

- 450 .4.00 The Angiography Imaging Unit should be located with ready access to the Emergency Unit, Operating Unit and Intensive Care/ Coronary Care Units

COMPONENTS OF THE UNIT

Introduction

- 450 .5.00 The Medical Imaging - Angiography Unit will contain a combination of Standard Components and Non-Standard Components, according to the Level of Service.
- Standard Components must comply with details in the Standard Components described in these Guidelines. Refer also to Standard Components Room Data Sheets.

Standard Components

- 450 .6.00 Provide the Standard Components as identified in the Generic Schedules of Accommodation.

Non-Standard Components

- 450 .7.00 Provide the Non-Standard Components as identified in this section and in the Schedule of Accommodation, according to the Operational Policy and Functional Brief.

450 .8.00 ANGIOGRAPHY ROOM

DESCRIPTION AND FUNCTION

The Angiography Room provides an area and equipment for Angiography examinations.

If provided, the Angiography Room should be a minimum of 38 m2.

450 .9.00 LOCATION AND RELATIONSHIPS

The Angiography Room should be located adjacent to the Control Room, and should have ready access to patient holding areas and Staff Change facilities.

450 .10.00 CONSIDERATIONS

A scrub sink is required for use by staff, and shall be located outside the staff entry to the Angiography Room.

For additional room details and requirements refer to Standard Component - Catheter Laboratory.

450 .11.00 CONTROL ROOM

DESCRIPTION AND FUNCTION

The Control Room provides for remote operation of the Angiography equipment and requires a viewing window to permit full view of the patient. The Control Room may be combined with a Reporting Room.

450 .12.00 LOCATION AND RELATIONSHIPS

The Control Room shall be located with direct access to the Angiography procedure room and may have external access to a circulation corridor.

450 .13.00 CONSIDERATIONS

For room details and requirements refer to Standard Components - Catheter Laboratory Control / Reporting Room.

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APPENDICES

Med Imag.-Angio.Generic Schedule of Accommodation

450.14.00 Schedule of Accommodation for an Angiography Unit at Levels 4, 5 & 6
(Note: Level 6 is similar to Level 5 with the addition of research and teaching):

| ROOM / SPACE | Standard Component | | | Level 4 Qty x m2 | Level 5 Qty x m2 | Level 6 Qty x m2 | Remarks |
|-----------------------------|--------------------|--|--|------------------|------------------|------------------|---|
| | | | | | | | |
| ANAESTHETIC INDUCTION ROOM | yes | | | 1 x 15 optional | 2 x 15 optional | 3 x 15 optional | |
| ANGIOGRAPHY ROOM | see remarks | | | 1 x 38 | 2 x 38 | 3 x 38 | Refer to Standard Component - Catheter Laboratory |
| BAY - HANDWASHING | yes | | | 2 x 1 | 3 x 1 | 4 x 1 | |
| CHANGE ROOM - STAFF | yes | | | 1 x 8 | 2 x 8 | 2 x 8 | May be shared |
| COMPUTER EQUIPMENT ROOM | | | | 1 x 6 | 2 x 6 | 3 x 6 | May be co-located for multiple rooms |
| CONTROL ROOM | see remarks | | | 1 x 8 | 2 x 8 | 3 x 8 | Refer to Standard Component - Catheter Laboratory Control / Reporting |
| OFFICE - SINGLE PERSON 9 M2 | yes | | | | 2 x 9 optional | 2 x 9 optional | Nursing personnel, Radiographer; according to staffing establishment |
| PATIENT BAY | yes | | | 3 x 9 | 5 x 9 | 6 x 9 | For Holding / Recovery; Minimum of 2 Bays per Procedure Room |
| SCRUB-UP / GOWNING | yes | | | 1 x 8 | 1 x 8 | 2 x 8 | |
| STORE - STERILE STOCK | yes | | | 1 x 6 | 1 x 12 | 1 x 12 | May be combined with Clean Utility |
| TOILET - PATIENT | yes | | | 1 x 4 | 2 x 4 | 2 x 4 | Including Change facilities |
| TOILET - STAFF | yes | | | 1 x 2 | 2 x 2 | 2 x 2 | |
| | | | | | | | |
| CIRCULATION % | | | | 35 | 35 | 35 | |

450.15.00 SHARED AREAS

| ROOM / SPACE | Standard Component | | | Level 4 Qty x m2 | Level 5 Qty x m2 | Level 6 Qty x m2 | Remarks |
|---------------------|--------------------|--|--|------------------|------------------|------------------|--|
| | | | | | | | |
| BAY - RESUS TROLLEY | yes | | | 1 x 2 | 1 x 2 | 1 x 2 | |
| CLEANER'S ROOM | yes | | | 1 x 4 | 1 x 4 | 1 x 4 | |
| CLEAN UTILITY | yes | | | 1 x 12 | 1 x 12 | 1 x 12 | Also for preparation of contrast media |
| DIRTY UTILITY | yes | | | 1 x 10 | 1 x 10 | 1 x 10 | |
| RECEPTION | yes | | | 1 x 10 | 1 x 10 | 1 x 10 | |
| STORE - FILM | | | | 1 x 8 | 1 x 16 | 1 x 16 | |
| TOILET - DISABLED | yes | | | 1 x 5 | 1 x 5 | 1 x 5 | |

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| | | | | | | | |
|-----------------------|--|--|--|-------|--------|--------|--|
| VIEWING AND REPORTING | | | | 1 x 8 | 1 x 25 | 1 x 25 | |
|-----------------------|--|--|--|-------|--------|--------|--|

References and Further Reading

- 450.16.00 - American Institute of Architects, Guidelines for Design & Construction of Hospital & Healthcare Facilities, 1997.
- NSW Health, Design Standard 15 Health Building Guidelines - Medical Imaging Unit, 1992.

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FUNCTIONAL RELATIONSHIPS DIAGRAM - MEDICAL IMAGING (ANGIOGRAPHY)

