

# **Consultation Room – Echo room**

## **DESIGN NOTES TO HBN 00-03**

### **OVERVIEW**

This room has been designed to be flexible for echocardiogram consultations and examinations

Room G-1B14 is suitable size to provide easy access the couch from one side, a single-sided access to the couch is a preferred layout for this treatment to provide the consultant/nurse full movement and access to the target area.

The curtain should be located to prevent it becoming contaminated from use of the clinical wash-hand basin and to provide privacy when the patient is undressing if this is deemed necessary.

Piped medical gases are generally not required. In emergency situations it is anticipated that bottled oxygen and mobile suction equipment will be readily available.

A standard three-section couch. The patient/client is positioned between the member of clinical staff and the back wall during consultation.

If a window is provided, solar shading and a black out blind will be necessary to ensure that the practitioner can easily see the screens on the echo/ultrasound machine.

Flooring finish should be of a homogeneous vinyl or rubber type with welded joints to avoid any infection risk. Coved or set in skirtings are preferable to help when mopping the floors. Carpets should be avoided due to the risk from infection from soiled fibres. Non slip vinyl is recommended in wet areas.

Lighting within the room should be sufficient for general use. Guidance to lighting design can be found in the CIBSE Lighting guide 2: Hospital and Healthcare.

Generally the lighting should be designed to EN12464-1 as follows

| Task/Activity             | Em   | UGRL | Uo  | Ra |                            |
|---------------------------|------|------|-----|----|----------------------------|
| General Lighting          | 500  | 19   | 0.6 | 90 | illuminance at floor level |
| Examination and treatment | 1000 | 19   | 0.7 | 90 |                            |

Where Em = Illuminance should not fall below Em Maintenance values in the visual task area

UGRL = Upper limit for direct glare.

Uo = Uniformity (ratio between lowest ( $E_{min}$ ) and Mean illuminance level (E) in the area evaluated

Ra = Lower limit for colour rendering index.

A smoke detector should be included that is linked to the Hospital central alarm system and a sounder to ensure the alarm is audible to all.

The room will have to have sufficient supply and air extract designed to the CIBSE ventilation guide. Recommended to achieve 6 AC/hr with internal temperature between 18 - 28°C at 0 Pascal or even negative pressure. G4 filters are also recommended

The electrical supply to the room will be dependent on local policy but consideration should be given to essential supply in case of major power failure dependent on use of room and patient risk/safety.

#### References-

*Health Technical Memorandum 03-01: Specialised ventilation for healthcare premises.*

*Health Technical Memorandum 08-03: Bedhead services.*

*Health Building Note 01-01: Cardiac Facilities*

*Health Building Note 00-03: Clinical and Clinical Support Spaces.*

*EN12464-1:2011 European standard for Lighting of indoor work places.*