

HUMANISING SPACES

THE NEW HEPATIC INTENSIVE CARE UNIT OF THE HOSPITAL CLÍNIC DE BARCELONA



ESTUDI P S P ARQUITECTURA •





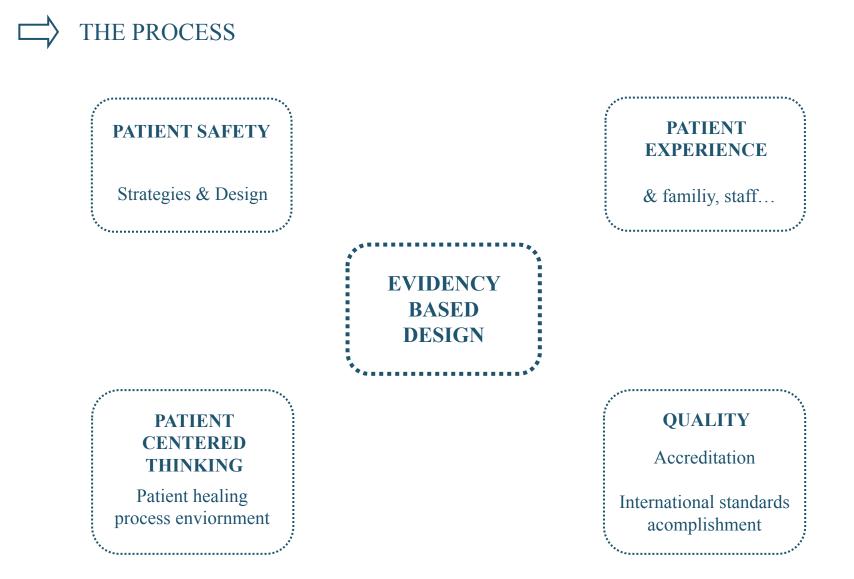
















Clinical Institute of Digestive and Metabolic Diseases

Hospital professionals from the Hepatic ICU

Multidisciplinary work group

Infrastructure and Biomedical Engineering Department

Architecture & Engineering













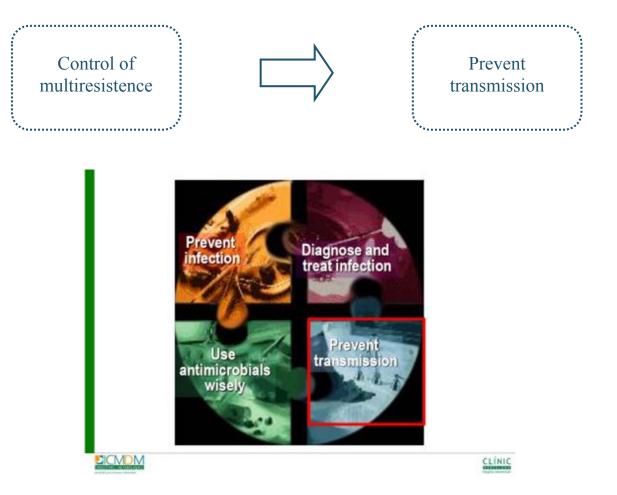






COMFORT

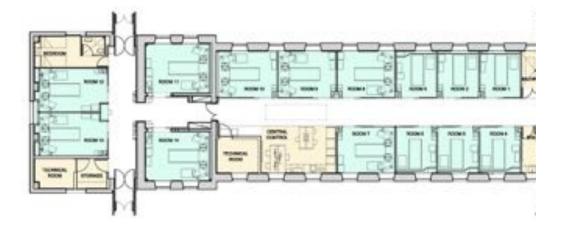






1. Individual rooms

2. Barrier effect



3. Security booth



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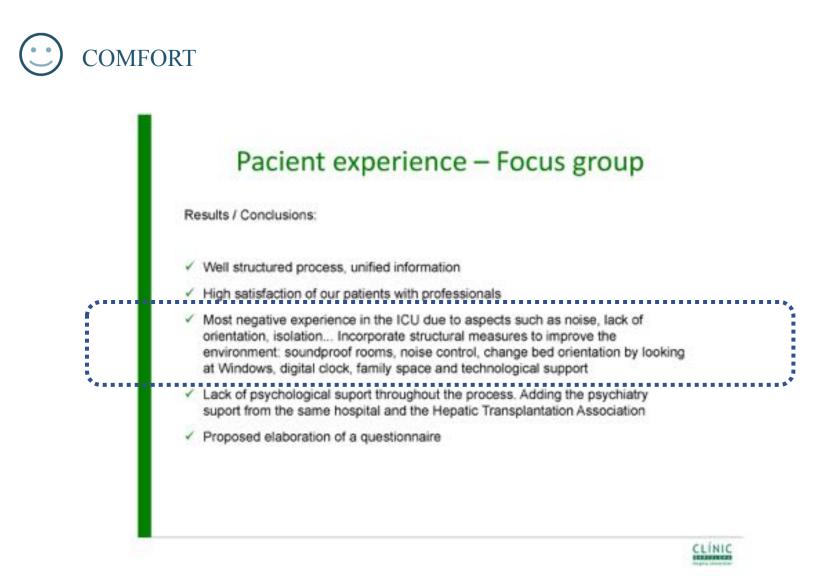
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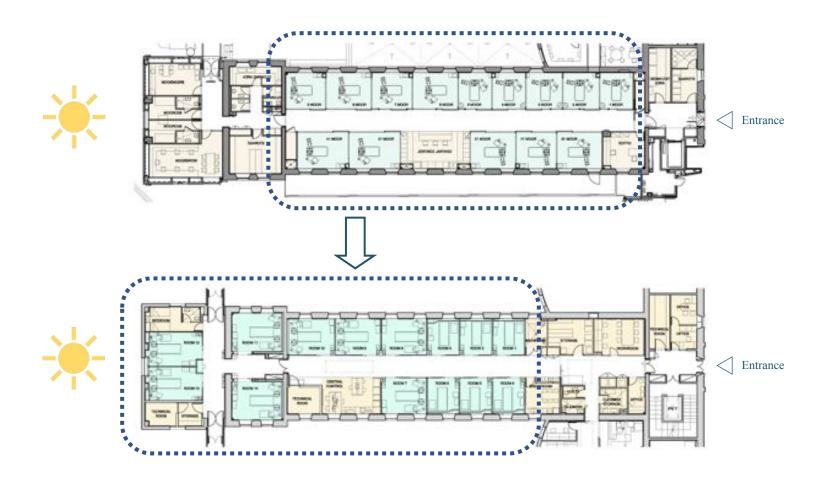






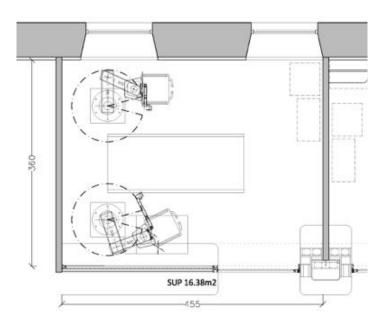


1. Change of the classic layout of the rooms





2. Space comfort

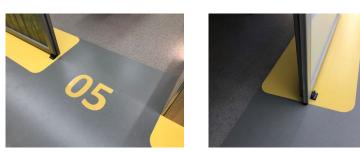








2. Space comfort









3. Privacy and intimacy of the patient and the family







4. Communication with the outside & Entertaiment center







5. Accoustic comfort

"Alarm Fatigue"

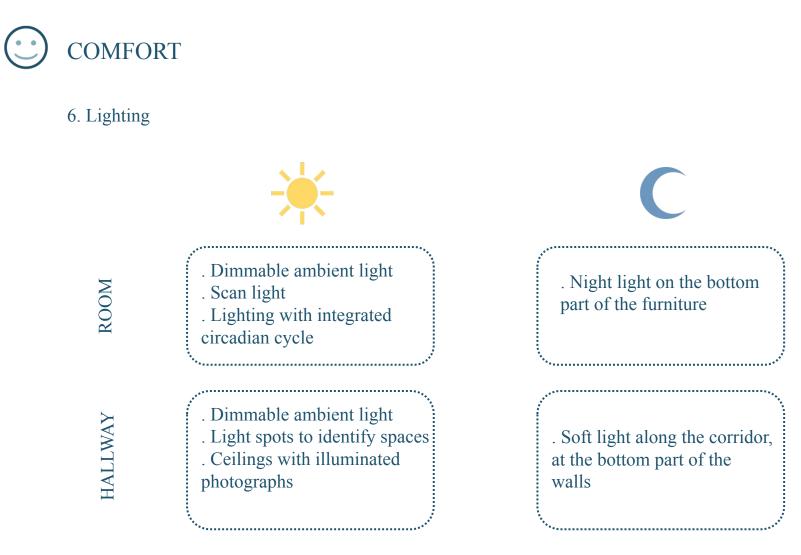
- It has been identified that "alarm fatigue" is one of the main reasons for the risks related to technology in intensive care
- Alarm fatigue is when a nurse or other caregiver is overwhelmed with 350 alarm conditions per patient per day
- Alarm fatigue is when a patient can not rest with the multitude of alarm signals that come out in the room
- Alarm fatigue is when a lifethreatening event is lost in a cacophony of noise due to the multitude of devices with competing alarm signals







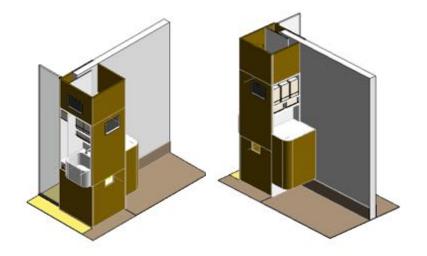


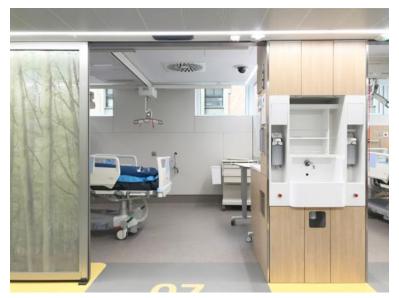






- 7. Professional and staff comfort
- a. Furniture module







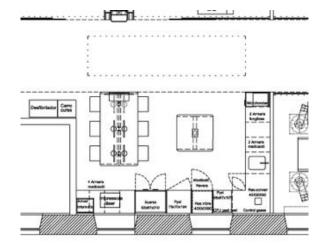
7. Professional and staff comfort

b. Active survey





- 7. Professional and staff comfort
- c. Nursing area









8. Overall comfort of the area

The proper use of nature promotes a general well-being of patients, visitors and staff" (Mack, 2001).







HAVE THE OBJECTIVES BEEN MET?

Structure and function: planning of a new ICU to optimize patient care

Patients-centered care		Functionality and safety		
Needs of patient	Needs of family	Physician/nurse nearby	Ergonomics	Salwy
Healing environment	Hospitelity	Space for treatment	Ceiling service	Advanced alarma
Single rooma	Open visiting hours	Remote monitoring		Adequate supplier
Jerivacy.	Sedroom with bathroom for family			Satellite pharmacy at ICU
Quiet surrounding.	Clear signage			
Natural daylight	Xfamily area with catering and internet facilities			
Views of nature				
Arevention of infection				

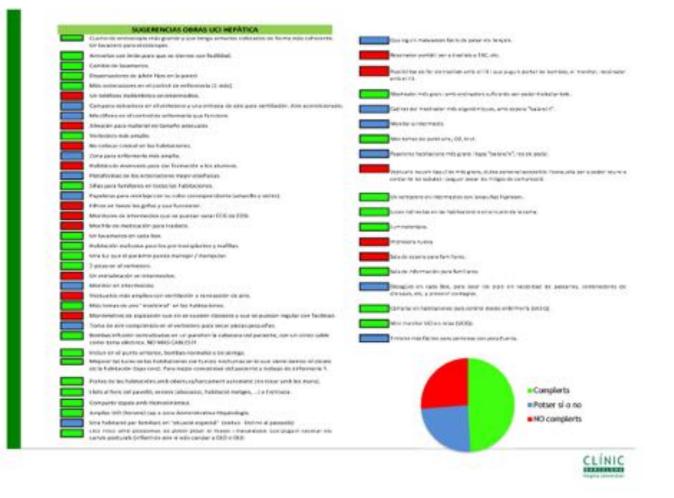
Halpern NA. Chest 2014; 145: 646-658 Curr Opin Crit Care 2012, 18:688-692



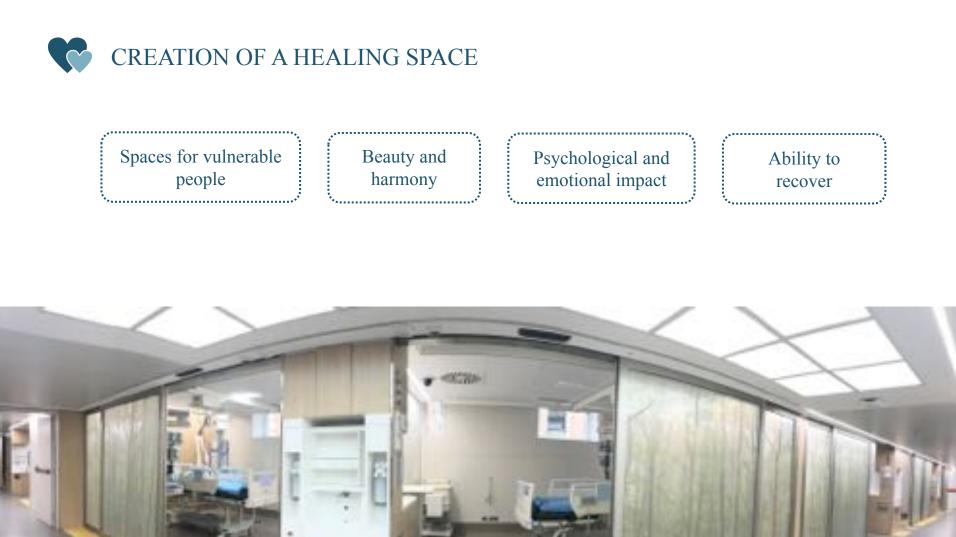




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THANK YOU

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