Abstract of the Master Thesis

Master’s Degree

International Project Management

(Building, Real Estate and Infrastructure)

Patient well-being and healing environments in hospitals

How can digitalization support it?

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Master Thesis Abstract:

Well-being and healing design in hospitals has been a significant subject since the patient centered design became main focus in healthcare planning. To execute well-being and healing design, ‘evidence based design’ has been developed which is defined as the process of basing decisions about the built environment on credible research to achieve the best possible outcomes. Through the application of ‘evidence based design’ (EBD), elements that is a design framework for creating healing environment in hospitals such as physical conditions (daylight, acoustics, humidity, contact to nature) promotes patient wellbeing. The Center for Health Design (CHD) evolved the Pebble Project cooperating with ‘evidence based design’ (EBD) which has become an integral part of the healthcare designing (Taylor, 2011). Since that time architects and designers have always been an integral of The Pebble Project research, providing insight into problems being addressed and the specific built environmental solutions such as on the aesthetics of space and it’s on the waiting experience and quality of care, acoustics in healthcare environments, safety issues (e.g. the use of ceiling-mounted lifts in patient rooms etc.) (Taylor, 2012). On the other hand, EBD also heals patient physiology with correct design methods with building environment such as healing gardens, enabling gardens, meditative gardens etc. In order to combine interior and exterior factors in design, EBD seeks for the best layout in hospitals for patient well-being. The other aspect of EBD also contributes to reduction of cost in hospitals such as diminishing inpatient stay in hospitals. Finally, the future of hospitals will be influenced by digitalization of healthcare.

Resources:


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Stuttgart, 14/01/2019

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