PP156 New Information And Communication Technologies And Hospitals' Design

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INTRODUCTION:

The hospital's design today must be prepared for changes resulting from the incorporation of new information and communication technologies (ICT) (1). These will affect non-finalistic (warehouse, archive), diagnostic support (laboratory and image) and finalistic activities (emergency, surgical center, clinics) (2). The Health Technology Assessment (HTA) is fundamental in the dimension of the impact of each technology on the structure of healthcare facilities (HCF). In this way, this work intends to evaluate the trends of impact of the new ICT on hospitals' structure.

METHODS:

The main technologies under discussion in Management of HCF in Brazillian Health Regulatory Agency were raised. From this survey an impact matrix was built with hospital environmental design and the trends of adequacy of its space.

RESULTS:

ICT that tend to decrease the physical space are: electronic health record for the archive, use of digital imaging for radiology, Radio-Frequency Identification (RFID) for the warehouse, point of care and automated laboratory equipment for clinical laboratories.

ICT that tend to increase physical space are: Telemedicine for the surgical center, Internet of Things - IoT for Intensive Care Units, beds for emergency and hospitalization.

The technologies that present an undefined tendency in relation to physical space are: automatic dispensers of drugs for nursing posts.

The use of database servers and the need for network points are still undefined due to the use of Wi-Fi technology and cloud storage. However, it's possible to increase use of electricity and the internet.

CONCLUSIONS:

It is concluded that the new ICT will have an impact on the planning and building of the future HCF (3). The designs of today's buildings should consider this trend so that the future reality is adequate and the regulatory requirements about HCF should be able to consider it.

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PP166 From An Institutional Strategic Plan To A Knowledge Transfer Tool For Health Technology Assessment: Case Of Drug-eluting Stents

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