Occupational exposure in Health care facilities - Review

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Introduction:

Health care facilities (HCF) must adopt strategies and systems of epidemiologic surveillance to control infections1,2 in order to reduce the impact of microorganisms in healthcare workers and reduce the cost in the health sector. To improve public health and reduce the impact on workers health, the aim of this study is characterize the occupational exposition to microbiota in HCF and to describe the most reported effects caused by this contaminant.

Materials and Methods:

For this review have been used articles searched in PubMed, Web of Science and Scopus, resulting in a total of 299 articles, only used 87 after the exclusion criteria. The research was made using descriptors such as Bacteria, Health care facilities and Occupational exposure. With the searched articles a table State of Art with reported effects and contaminants was realized.

Results/Discussion:

From the results is possible to conclude that the most reported contaminants were: Staphylococcus aureus, E. Coli, Pseudomonas aeruginosa, Klebsiella pneumoniae (Image I).

The most prevalent health effects reported were respiratory infections, cardiovascular diseases, Urinary tract infections, Pneumonia and Tuberculosis (Image II).

Conclusion:

Workers in health facilities are exposed to several bacterial pathogens with consequent health effects, as a result the characterization of occupational exposure is necessary to prioritization actions and establish protocols and guidelines adapted to HCF.

References: