

POSTER PRESENTATION

Open Access

Ozone sterilization of the produces for health care: integrative review of literature

CS Sousa¹, LM Torres^{2*}, MPF Azevedo¹, TC de Camargo³, KU Graziano¹, RA Lacerda¹, RNT Turrini¹

From International Conference on Prevention & Infection Control (ICPIC 2011)
Geneva, Switzerland. 29 June – 2 July 2011

Introduction / objectives

An integrative review of the literature with the objective of searching for evidences to subsidize incorporation of the ozone as sterilizing agent of products for health.

Methods

Using the key words ozone and sterilization, the search was conducted in MEDLINE, SCOPUS, COCHRANE, COMPENDEX, INSPEC bases and ENGINEERING RESEARCH DATABASE.

Results

Between 1990 and 2008, five publications that tested the ozone as sterilizing were obtained. All the researchers used the same investigation type (laboratory experiment) and they achieved sterilization by ozone, although with varied scope and tested products, besides diversity of methodological procedures.

Conclusion

Considering the incessant technology changes of products, the wide diversity of designs and raw material, the discoveries denote the ozone a promising method, but still in initial phase of investigation. More experimental studies are necessary, in way to subsidize wider evidences about their possibilities and limitations.

Disclosure of interest

None declared.

Author details

¹Enfermagem Médico Cirúrgica, Escola de Enfermagem da Universidade de São Paulo, São Paulo, Brazil. ²Enfermagem Médico Cirúrgica, Escola de Enfermagem da Universidade de São Paulo, Nova Lima-Mg, Brazil. ³Enfermagem Médico Cirúrgica, Escola de Enfermagem da Universidade de São Paulo, Sorocaba, Brazil.

Published: 29 June 2011

doi:10.1186/1753-6561-5-S6-P315

Cite this article as: Sousa et al.: Ozone sterilization of the produces for health care: integrative review of literature. *BMC Proceedings* 2011 5 (Suppl 6):P315.

Submit your next manuscript to BioMed Central
and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit

 BioMed Central

²Enfermagem Médico Cirúrgica, Escola de Enfermagem da Universidade de São Paulo, Nova Lima-Mg, Brazil
Full list of author information is available at the end of the article