

Evaluation Function of Infectious Waste Sterilizing Device in Dehaghan Hospital in The Year 2017

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Background And Objectives: Waste of health care centers is very Important due to their major role in spreading various disease and environmental pollution. Autoclaving is one of the methods which sterilizes infectious solid wastes. As a results , considering function of Infectious Waste Sterilizing Set in hospital seems necessary.This study is aimed to assess function of this equipment of waste in dehaghan hospital.

Materials And Methods: In this experimental study had been operated between jan - dec 2017 and setting 371 tests from physical, chemical, and bhological function of the autoclave in the each week. Mechanical function had been examined by monitoring and recording mechanical index through thermometers and registers of device. Chemical and biological function had been examined by indicator strip and biological strip and stearotermophilus Geobacillus spores.Finally obtained results were analyzed by Descriptive Statistics test.

Results: Among the all of the tests of survey carried out, 96.1% of physical tests and 97.4% of chemical tests and 100% of biological tests from the Waste Sterilizing Set had efficient results.Also no grow any stearotermophilus Geobacillus spores in the study duration.

Conclusion: Based on the results, mentioned Waste Sterilizing devices are able to decontaminate dehaghan hospital waste from hazardous materials chemically and biologically. Also the mechanical process is efficient enough by proving required temperature and time. Thus the final functional assessment is identified as acceptable out come.

Keywords: Dehaghan, Infectious, waste Sterilizing Set.