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Knowledge, attitudes and practices of medical waste management among healthcare staff in dental clinics of Sana'a City, Yemen

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Sufficient knowledge, attitudes and practices toward medical waste management lead to minimizing risks of diseases transmitted from the wastes of hospitals and dental clinics to the community. The aim of this study was to assess knowledge, attitudes, and practices of medical waste management among healthcare staff in dental clinics of Sana'a city, Yemen. A descriptive cross-sectional study was conducted among 194 healthcare staff of dental clinics in Sana'a city, Yemen, in the duration of May to July 2018. The random sample method was used to select dental clinics and health care personnel in the selected clinics. IBM SPSS program version 21 was used for data analysis. The overall adequate knowledge, positive attitudes, and practices of participants were (77.3%, 78.9% and 52%) respectively. Only 29.9% of them knew of the medical waste management legislation while 97.9% were knowledgeable about the role of medical waste in disease transmission. The majority of participants (96.4%) believed that safe management of health care waste is an issue at all while, only 24.2% were using the color-coding system for disposing of medical waste. The authors concluded that the levels of adequate knowledge and positive attitudes of healthcare staff of dental clinics in Sana'a city were good while the level of practice was low.

Recent Publications

1. Alwabr GMA, Al-Mikhlaifi AS, Al-Hakimi SA, Dughish MA. Identification of bacteria and fungi in the solid waste generated in hospitals of Sana'a city, Yemen. *Current Life Sciences*. 2016; 2(3):67–71. doi:<http://dx.doi.org/10.5281/zenodo.57550>.
2. Alwabr GMA, Al-Mikhlaifi AS, Al-Hakimi SA, Dughish MA. Determination of medical waste composition in hospitals of Sana'a city, Yemen. *Journal of Applied Science and Environmental Management*. 2016; 20(2):343–7. doi:<http://dx.doi.org/10.4314/jasem.v20i2.15>.
3. Patnaik S, Sharma N. Assessment of cognizance and execution of biomedical waste management among health care personnel of a dental institution in Bhubaneswar. *Journal of Indian Association of Public Health Dentistry*. 2018; 16(3):213–21. doi:[10.4103/jiaphd.jiaphd_114_17](https://doi.org/10.4103/jiaphd.jiaphd_114_17).

Biography

Khalid Al-Salehi has expertise in biomedical engineering, evaluation, and passion for promoting adequate health knowledge, attitudes, and practices towards medical waste management. It's open and contextual evaluation model is based on his experience as a Biomedical Engineer. After years of experience in research, evaluation, teaching, and administration, he has built these articles by volunteering in hospitals and educational institutions. This foundation is based on sufficient knowledge, attitudes, and practices toward medical waste management leading to minimizing risks of diseases transmitted from the wastes of hospitals and dental clinics to the community.

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