

Occupational exposure to sharps and splashes pose a major hazard among health care workers (HCWs); so knowledge and awareness regarding sharps/splashes by blood and potentially infectious body fluids (BBF) is a must” Rajkumari et al (2015).

Abstract:

**BACKGROUND:** Occupational exposure to sharps and splashes pose a major hazard among health care workers (HCWs); so knowledge and awareness regarding sharps/splashes by blood and potentially infectious body fluids (BBF) is a must. Hence, the study was done to assess the extent of knowledge of the staff and using awareness classes and hands on practice as a model to increase awareness as well as prevention.

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**MATERIALS AND METHODS:** This prospective interventional cohort study, using before - after trial, was conducted in a Level I trauma care centre. All cadres of HCWs were enrolled randomly into 5 different groups of 15 each. This study was conducted in 2 phases - interactive classes and hands on practice (Phase I) and questionnaire assessment and work area observation (phase II). This was repeated twice and the final outcome was analysed. A systematic level of grading was used to assess the improvement.

**RESULTS:** It was observed that Group 1 (doctors) and group 2 (nurses) had the maximum knowledge about such exposures and its prevention compared to the other groups (groups 3, 4 and 5) during the initial assessment (Phase I). The remaining groups showed a major improvement after the 2(nd) assessment, though their knowledge was poor in the beginning. Groups 1 and 2 showed 32% and remaining groups showed a 25% improvement in voluntary reporting after the second assessment (Phase II).

**CONCLUSION:** Awareness classes and hands on practice are indeed useful in generating knowledge about sharps/ splashes. Certain incentives given at right time can improve it further.

Full Text

Reference:

Rajkumari, N., Mathur, P., Gunjiyal, J. and Misra, M.C. (2015) Effectiveness of Intensive Interactive Classes and Hands on Practice to Increase Awareness about Sharps Injuries and Splashes among Health Care Workers. *Journal of Clinical and Diagnostic Research*. 9(7), p.DC17-21.

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