Effectiveness Evaluation of Glutaraldehyde Protection Program Conduction for Operation Room Nursing Staff
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Objective
To compare the knowledge and exact conduction rate of nursing staff for glutaraldehyde protection before and after our intervention.

Methods
We chose 42 operation room nursing staff from one teaching hospital by purposive sampling. Through questionnaires and behavior observation, we evaluated the knowledge and exact protection rate for glutaraldehyde of the nursing staff before and after our intervention.

Results
After our intervention, the exact protection rate increased from 62.1% to 94.3%. The protection knowledge was promoted from 56.3% to 95.3%. Both reached significant difference statistically.

Before the intervention, the item with lowest exact rate is “Staff would wear protective glasses and isolated clothing while contacting chemical agents”. After the intervention, the item with highest exact rate is “Instruments should be sunk into the disinfectant totally and the lid should be closed tightly”.

Conclusions
Our results clearly indicated that after the intervention, the exact protection rate of staff was significantly increased. We thus suggest this kind of protective training be listed as routine training programs, thus creating a safer working environment.

Keywords: operating room, glutaraldehyde, hazardous material.

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