



TRANSFORMING TOXICOLOGY LANDSCAPE FOR SAFER AND SUSTAINABLE TOMORROW

POSTER PRESENTATIONS

[ID-P#041] Effectiveness of Education on Acute Poisoning Diseases at Fukushima Prefectural Firefighters Academy: Changes Before and After the Lecture

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Objective: To compare the change in awareness of acute poisoning disease among students at Fukushima Prefectural Firefighters Academy before and after the lecture.

Methods: Ninety-one students who took the course “First Aid for Acute Poisoning” and responded to the questionnaire were asked to rate their interest in acute poisoning, anxiety about acute poisoning, treatment according to acute poisoning, collaboration with medical institutions, and active involvement in acute poisoning on a 5-point scale. Results were compared using mean \pm S.D.

Results: Interest in acute poisoning increased significantly after the lecture (2.07 ± 0.89 vs. 1.54 ± 0.66 , $p < 0.001$). Anxiety about acute poisoning significantly decreased after the lecture (4.52 ± 0.95 vs. 3.18 ± 0.90 , $p < 0.001$). Similarly, treatment according to acute poisoning improved significantly after the lecture (4.51 ± 0.85 vs. 3.16 ± 0.90 , $p < 0.001$), and collaboration with medical institutions improved significantly after the lecture (4.20 ± 1.04 vs. 2.85 ± 1.06 , $p < 0.001$). Furthermore, significant improvements were also found in active involvement in acute poisoning after the lecture (2.99 ± 1.14 vs. 2.70 ± 1.12 , $p = 0.012$).

Conclusion: Lectures on acute poisoning disease at the Fukushima Prefectural Firefighters Academy significantly reduced anxiety and improved knowledge about treatment, collaboration with medical institutions, and active involvement in acute poisoning.