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Disaster management in hospital pharmacies is poorly studied and trained.

This study assesses the benefit of full-scale simulations to improve hospitals pharmacists' disaster preparedness.

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This study highlights the value of fullscale disaster simulations for hospital pharmacies. The number of correct actions increased significantly. Globally, full-scale simulations have improved the preparedness of the hospital pharmacies involved and promoted staff awareness.



Multicenter full-scale simulations in hospital pharmacies to improve disaster preparedness

L. Schumacher^{1,2}, S. Senhaji³, B. A. Gartner⁴, L. Carrez⁵, A. Dupuis^{6,7}, P. Bonnabry^{1,5}, <u>N. Widmer^{1,2}</u> ¹Specialised Center for Emergency and Disaster Pharmacy, Institute of Pharmaceutical Sciences of Western Switzerland, Geneva, Switzerland; ²Pharmacy of Eastern Vaud Hospitals, Rennaz, Switzerland; ³ Pharmacy, Geneva University Hospitals, Geneva, Switzerland; ⁴Division of Emergency Medicine, Geneva University Hospitals, Geneva, Switzerland; ⁵Service of Pharmacy, Lausanne University Hospital, Lausanne, Switzerland; ⁶Division of Surgery, Geneva University Hospitals, Geneva, Switzerland; ⁷Specialised Centre for War and Disaster Surgery, Geneva University Hospitals, Geneva, Switzerland.

METHOD

SCENARIOS

Multidisciplinary working gro validation of scenarios: 1 =2 = terrorist attack

DRILL 1

Full-Scale simulation : scer surprise; 4 multidisciplinary 2 coordinators

IMPROVEMENT

Hot and cold debriefing; creation of a disaster plan if not present and training of employees on it

DRILL 2

Full-Scale simulation : scenario 2; 1:1; ¹/₂ day; surprise; 4 multidisciplinary evaluators; 2 coordinators

Q	uanti	ty: done / not	done Qu	ality : 1	to 5
Details	Expec	cted Results	Real ResultsAppreciations	Sector	Co
Time: 1:15 p.m. Situation: Exercise Introduction Role: Hospital management, calm Public: Head of Pharmacy Type of communication: By telephone 31074	□ Yes □ No	The leaders must take command	1 2 3 4 5 1= Unsatisfactory 3= Good 5=Excellent	Direction	Time
Message : <u>As for the exercise</u> : The crisis staff is triggered following the activation of a pre-HOCA catamaran	□ Yes □ No	Informs the team	12345	Direction	Time

EVALUATION Harvard model with evaluation grid used to list the expected actions with on a quantitative basis and to judge their quality



RESULTS

	Pharmacies results											
roup: creation + = major road accident, enario 1; 1:1; ½ day; y evaluators;		Hosp	oital A	Hospital B						Averages		
				-							Ex 2	p _{value}
	Rate of action											
	performed [%]	62	75	66	83	76	91	71	85	69	84	<0.001
	Global quality of	2.9	0.5	07	3.6	0.0	07	0.0	07	20	26	-0.001
	all actions	2.9	3.5	2.1	3.0	3.3	3.7	3.3	3.7	3.0	3.0	<0.001
	Quality of											
	actions	4.0	4.3	3.6	4.1	4.0	4.1	4.0	4.1	3.9	4.1	<0.001
	performed											
	Time to gather											
	command group	50	5	No	5	15	5	5	5			
	[min]											
	Disaster plan	No	Yes	No	Yes	No	Yes	Yes	Yes			
	Ex 1 = drill 1: Ex 2 = drill 2											

CHALLENGES

Communication :

→ Structure transmission (reformulation)

→ Setting-up of a management rhythm

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Contact : info@disaster-pharmacy.ch









IMPROVEMENTS

Full-scale simulation resulted in the creation of a plan in every pharmacy that did not have one

 \rightarrow Improvement of crisis management

