

Table 3 Mean score and improvement percentages of food safety knowledge parameters of food handlers pre- and post-training

Parameter	Level of food safety knowledge							
	MRI (n = 14)			GAN (n = 9)				
	Mean score (SD)		t-test	Mean improvement (SD) %	Mean score (SD)		t-test	Mean improvement (SD) %
	Pre	Post	Pre		Post			
Building and facilities	55.6 (23.2)	94.4 (3.8)	6.338*	144.8 (225.7)	68.4 (22.2)	93.6 (2.3)	3.739*	63.9 (101.6)
Equipment and utensils	52.7 (27.8)	90.2 (16.4)	7.449*	138.6 (155.5)	72.2 (21.4)	93.1 (14.1)	2.887*	40.9 (56.0)
Personal hygiene	69.0 (27.7)	100.0 (0.0)	4.178*	78.0 (95.8)	81.0 (22.8)	96.3 (9.6)	1.880	33.5 (61.4)
Food handling	42.6 (26.7)	95.9 (4.3)	7.719*	310.1 (381.9)	69.9 (15.1)	95.3 (6.9)	5.213*	44.9 (48.9)
Overall knowledge	55.0 (27.4)	95.1 (9.2)	6.723*	124.9 (123.1)	72.9 (20.3)	94.6 (9.0)	3.792*	42.1 (58.7)
Kruskal–Wallis test	5.828	15.922*			5.159	12.315*		

*Significant at P < 0.05.

MRI = Medical Research Institute hospital; GAN = Gamal Abdel Nasser hospital; SD = standard deviation.