



Is the Performance of Standardized Patient Affected by Medical Personnel Trainer or Non-medical Personnel Trainer ?



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Background:

The standardized patient trainer (SPT) will coach the standardized patients by the certain training methods and process. In order to encourage standardized patients' experiences can accumulate and heritage, training an excellent standardized patient (SP) as a trainer is the next stage of our hospital.

Summary of work:

According to the matched-scenario, SPs were divided into study group or control group. They were trained 60 minutes by non-medical personnel trainer or medical personnel trainer on the two track 6-station Objective Structured Clinical Examination (OSCE) with 4-SP scenario and another 2-procedural skills station of medical year-7 students during Nov. 26 &27, 2016. There were 4 non-medical personnel trainers and 4 medical personnel trainer per day. Then, SP's performance were assessing by physician raters at the end of scenario training, each SP of the first 6-student rotation and each SP of the second 6-student rotation in OSCE.

Conclusions/Take-home message:

According to our study, the performance of standardized patients weren't affected by the background of trainers. We could train excellent SPs as SPTs even them without the background of medicine. They need to more care about the SP's performance of "The SP played the role well" at SP's training-hour of OSCE.

Key words: Standardized patients, Medical personnel trainer, Non-medical personnel trainer

Summary of result:

The Cronbach's Alpha value of the standardized patient assessment form was 0.913 in our study. The total 10/11 items were no significant difference scores, except "The SP played the role well." was got the significant lower score at the assessment by physician raters in study group at the end of scenario training. Over all, the performances of standardized patients were not affected by medical personnel trainers or non-medical personnel trainers. The limitation of our study, the number of non-medical personnel trainers was just 8 persons. We need collect more assessment results of SP in our OSCE.

Table 1. The performance of standardized patients (SP) in our study and control group

		Study Group(N=12)		Control Group(N=12)	
		Mean	S.D.	Mean	S.D.
1. The SP resembled a real and reliable patient.	Time-1	4.8 ± 0.4	4.8 ± 0.4		
	Time-2	4.7 ± 0.5	4.7 ± 0.5		
	Time-3	4.8 ± 0.6	4.8 ± 0.5		
2. The SP stayed in role very well during consultation.	Time-1	4.2 ± 1.2	4.8 ± 0.4		
	Time-2	4.2 ± 1.2	4.6 ± 0.5		
	Time-3	4.5 ± 0.7	4.6 ± 0.5		
3. The SP seemed to withhold information unnecessarily.	Time-1	1.8 ± 1.6	1.4 ± 0.5		
	Time-2	1.8 ± 1.5	1.7 ± 0.9		
	Time-3	1.8 ± 1.5	1.2 ± 0.4		
4. The SP played the role well.	Time-1*	4.3 ± 0.8	4.8 ± 0.4		
	Time-2	4.4 ± 0.7	4.6 ± 0.5		
	Time-3	4.8 ± 0.5	4.8 ± 0.5		
5. The SP's physical symptoms were unlike really patient.	Time-1	2.0 ± 1.6	1.3 ± 0.5		
	Time-2	1.8 ± 1.5	1.3 ± 0.5		
	Time-3	2.0 ± 1.5	1.2 ± 0.4		
6. The SP acted excessively.	Time-1	2.5 ± 1.5	1.5 ± 0.5		
	Time-2	1.9 ± 1.5	1.4 ± 0.5		
	Time-3	2.1 ± 1.7	1.3 ± 0.5		
7. The SP's expression could meet the requirements of the role.	Time-1	4.5 ± 0.5	4.7 ± 0.5		
	Time-2	4.6 ± 0.5	4.5 ± 0.5		
	Time-3	4.5 ± 0.7	4.7 ± 0.5		
8. The SP had an appearance that fit the role.	Time-1	4.5 ± 0.5	4.8 ± 0.5		
	Time-2	4.8 ± 0.5	4.7 ± 0.5		
	Time-3	4.6 ± 0.5	4.7 ± 0.5		
9. The SP reacted naturally during the consultation.	Time-1	4.6 ± 0.5	4.7 ± 0.5		
	Time-2	4.7 ± 0.5	4.7 ± 0.5		
	Time-3	4.8 ± 0.5	4.8 ± 0.5		
10. The SP's dialogues with the students weren't outside of the story.	Time-1	4.7 ± 0.5	4.8 ± 0.5		
	Time-2	4.9 ± 0.3	4.6 ± 0.5		
	Time-3	4.8 ± 0.4	4.8 ± 0.5		
11. Overall, the score of the SP's performance was _____ (from 0 to 10) :	Time-1	8.4 ± 1.0	9.1 ± 1.2		
	Time-2	8.7 ± 1.0	8.9 ± 0.8		
	Time-3	8.9 ± 0.8	9.3 ± 0.9		

S.D.: standard Deviation, Time-1: the end of scenario training, Time-2: the end of the first 6-student rotation, Time-3: the end of the second 6-student rotation *Mann-Whitney test: p <0.05