Additional file 10. Achievement of learning objectives

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Items(The virtual simulation make it possible to…)  | m (SD) | Med (IQR) | 1 – Strongly disagreen (%) | 2 – Disagreen(%) | 3 – Agreen(%) | 4 – Strongly agree n(%) | N/Aan(%) |
| Spot traps in nursing interventions that can shut down communication with the patient. | 3.58 (0.5) | 4 (1) | 0 (0) | 0 (0) | 11 (41) | 15 (56) | 1 (4) |
| Identify nursing interventions that optimize openness to the patient’s experience. | 3.54 (0.51) | 4 (1) | 0 (0) | 0 (0) | 12 (44) | 14 (52) | 1 (4) |
| Apply nursing interventions that elicit change talk. | 3.48 (0.51) | 3 (1) | 0 (0) | 0 (0) | 14 (52) | 13 (48) | 0 (0) |
| Spot traps in nursing interventions that enable the statu quo (sustain talk). | 3.41 (0.5) | 3 (1) | 0 (0) | 0 (0) | 16 (59) | 11 (41) | 0 (0) |
| Identify cues in the patient’s speech that reflect change talk. | 3.42 (0.5) | 3 (1) | 0 (0) | 0 (0) | 15 (56) | 11 (41) | 1 (4) |
| Target the key elements that are important to include in providing information to the patient. | 3.37 (0.56) | 3 (1) | 0 (0) | 1 (4) | 15 (56) | 11 (41) | 0 (0) |
| Identify principles to build an action plan with the patient.  | 3.38 (0.5) | 3 (1) | 0 (0) | 0 (0) | 16 (59) | 10 (37) | 1 (4) |
| Describe the principles consistent with MI that structure information sharing with the patient. | 3.35 (0.49) | 3 (1) | 0 (0) | 0 (0) | 17 (63) | 9 (33) | 1 (4) |

a N/A: Not applicable means, “I already mastered the topic.”.