|  |  |  |
| --- | --- | --- |
|  | Role play group | Problem based learning group |
| Pre-testn=30% | Post-testn=30% | Pre-testn=36% | Post-testn=36% |
| 1. Ask is the first stage of 5`A | 63.3 | 86.7 | 55.6 | 97.2 |
| 2. We prescribe NRT if it is necessary in Advice stage  | 16.6 | 43.3 | 13.9 | 50 |
| 3. If we realize in Assess stage that the patient is unwilling to quit, we advice him/her to quit again  | 23.4 | 40 | 19.4 | 44.5 |
| 4. Advice is the third stage of 5A | 36.7 | 76.6 | 30.5 | 94.4 |
| 5. We set a quit date in Assist stage | 60 | 86.6 | 16.7 | 80.5 |
| 6. We don’t arrange to quit for patients unwilling to quit | 13.3 | 26.7 | 16.7 | 52.7 |

**Table1. Percentages of favorable answers to knowledge questions before and after conducting a training program on tobacco cessation counseling through role play (n=30) and problem-based Learning (n=36) methods for a group of senior dental students.**

The correct answer in questions 1, 5 and 6 was considered “totally agree” and “agree” and in questions 2, 3 and 4 was considered “totally disagree” and “disagree

**Table2**. **Percentages of favorable answers to attitude questions (barriers against tobacco cessation counseling in dental practice) before and after conducting a training program on tobacco cessation counseling through role play (n=30) and problem-based Learning (n=36) methods for a group of senior dental students.**

|  |  |  |
| --- | --- | --- |
|  | Role play group | Problem based learning group |
| Pre-testn=30% | Post-testn=30% | Pre-testn=36% | Post-testn=36% |
| 1. Patient’s resistance to advice | 13.4 | 23.3 | 2.8 | 13.9 |
| 2. Smoking is a private matter | 66.7 | 66.6 | 72.3 | 69.4 |
| 3. Lack of sufficient time  | 33.4 | 66.7 | 24.4 | 72.2 |
| 4. Lack of supportive organization in developing TCC | 6.7 | 10 | 8.4 | 5.6 |
| 5. Lack of training facilities for TCC in dental settings | 63.3 | 66.7 | 77.7 | 80.5 |
| 6. Lack of confidence in conducting TCC | 73.4 | 73.3 | 88.9 | 100 |
| 7. Lack of knowledge about TCC method | 80 | 80 | 86.1 | 97.2 |
| 8. Dentist’s preference to provide dental treatments instead of counseling | 46.7 | 60 | 61.1 | 58.4 |
| 9. No reimbursement system for TCC in dental settings | 40 | 50 | 27.8 | 52.7 |
| 10. Risk of losing the patients | 60 | 76.7 | 44.4 | 55.6 |

**Table3.** **Percentages of correct answers to skill questions before and after conducting a training program on tobacco cessation counseling through role play (n=30) and problem-based Learning (n=36) methods for a group of senior dental students.**

|  |  |  |
| --- | --- | --- |
|  | Role play group | Problem based learning group |
| Pre-testn=30% | Post-testn=30% | Pre-testn=36% | Post-testn=36% |
| Question 1 | 60.7 | 60 | 66.7 | 83.3 |
| Question 2 | 53.3 | 63.3 | 36.1 | 13.9 |
| Question 3 | 90 | 90 | 83.3 | 97.2 |
| Question 4 | 43.3 | 86.7 | 33.3 | 97.2 |
| Question 5 | 70 | 90 | 58.3 | 88.9 |
| Question 6 | 76.7 | 70 | 77.8 | 72.2 |
| Question 7 | 46.7 | 50 | 50 | 44.4 |
| Question 8 | 30 | 90 | 36.1 | 91.7 |
| Question 9 | 63.3 | 80 | 66.7 | 97.2 |

**Table4.** **Mean scores and standard deviations of knowledge, attitude and skill before and after conducting a training program on tobacco cessation counseling through role play (n=30) and problem-based Learning (n=36) methods for a group of senior dental students.**

|  |  |  |
| --- | --- | --- |
| Mean(SD) | Role play group | Problem based learning group |
| Pre-testn=30 | Post-testn=30 | Pre-testn=36 | Post-testn=36 |
| knowledge | 18.2(2.4) | 21.3(3.0) | 18.6(1.9) | 23.2(3.7) |
| attitude | 35.4(5.8) | 36.9(5.4) | 35.8(5.1) | 38.5(5.6) |
| skill | 16.6(5.8) | 20.7(6.8) | 15.4(7.1) | 20.6(3.1) |