Appendix I: Questionnaire

**A. Participant's characteristics**

1- Female □       Male □

2- Age:

3- Medical/Research Center:

4- Field of Study: Medicine □            Nursing □

5- Education: Bachelor Degree □  Master Degree □ General Practitioner □ Ph.D. □ Specialist □

6- How much do you use a computer in your clinical activities on a daily basis?

Less than an hour □    One to two hours □ More than two hours □

**B. Factors influencing the use of telemedicine technology in diabetes management**

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| **Items** | **Strongly agree** | **Agree** | **Neither agree nor disagree** | **Disagree** | **Strongly disagree** |
| **Part One: Technology ease of use** | | | | | |
| 7-The use of telemedicine technology is easy for diabetic patients. |  |  |  |  |  |
| 8- Getting access to clinical information of diabetic patients can be accelerated by using telemedicine technology. |  |  |  |  |  |
| 9- The use of telemedicine technology is easy for health care providers. |  |  |  |  |  |
| 10- Learning how to use telemedicine technology in diabetes management is easy for healthcare providers. |  |  |  |  |  |

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| **Items** | **Strongly agree** | **Agree** | **Neither agree nor disagree** | **Disagree** | **Strongly disagree** |
| **Part two: Technology usefulness** | | | | | |
| 11- The use of telemedicine technology increases the effectiveness of care for patients with diabetes. |  |  |  |  |  |
| 12- The use of telemedicine technology improves the quality of care for patients with diabetes. |  |  |  |  |  |
| 13- Telemedicine technology facilitates the self-care process. |  |  |  |  |  |
| 14- Telemedicine technology reduces the cost of caring for patients with diabetes in hospitals. |  |  |  |  |  |
| 15- Telemedicine technology saves time for health care providers and diabetic patients. |  |  |  |  |  |
| 16- Telemedicine technology can reduce the costs of unnecessary patient transfer. |  |  |  |  |  |
| 17- The use of telemedicine technology improves job performance in treating diabetic patients. |  |  |  |  |  |
| 18-The use of telemedicine technology accelerates the process of monitoring diabetic patients. |  |  |  |  |  |
| 19- Telemedicine technology improves the quality of communication between patients and health care providers. |  |  |  |  |  |

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| **Items** | **Strongly agree** | **Agree** | **Neither agree nor disagree** | **Disagree** | **Strongly disagree** |
| **Part two: Technology usefulness** | | | | | |
| 20- Telemedicine technology can improve providing care delivery for diabetic patients in the remote areas. |  |  |  |  |  |
| 21- Telemedicine technology can increase patient safety in caring for diabetic patients. |  |  |  |  |  |
| **Part three: The purpose of using telemedicine technology in diabetes management** | | | | | |
| 22- Telemedicine technology can be considered as an alternative method for visiting patients. |  |  |  |  |  |
| 23- Telemedicine technology can be a basis for using other treatment methods for managing diabetes. |  |  |  |  |  |
| 24- Telemedicine technology can be used to control and monitor patients whenever it is needed. |  |  |  |  |  |
| 25- In the case of using telemedicine technology to manage diabetes, other healthcare providers will be encouraged to use this technology. |  |  |  |  |  |

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| **Items** | **Strongly agree** | **Agree** | **Neither agree nor disagree** | **Disagree** | **Strongly disagree** |
| **Part four: Attitudes toward using telemedicine technology in diabetes management** | | | | | |
| 26- The use of telemedicine technology is essential for healthcare providers in managing diabetes. |  |  |  |  |  |
| 27- The use of telemedicine technology in managing diabetes may reduce the burden of disease. |  |  |  |  |  |
| 28- The use of other systems in future will be easier by using telemedicine technology for managing diabetes. |  |  |  |  |  |
| 29- The use of telemedicine technology for managing diabetes can help to increase healthcare providers' satisfaction. |  |  |  |  |  |
| **Part five: Compatibility of using telemedicine technology with other clinical activities** | | | | | |
| 30- The use of telemedicine technology is consistent with clinical activities in managing diabetes on a daily basis. |  |  |  |  |  |
| 31- The requirements of telemedicine technology in managing diabetes are consistent with clinical activities of health service providers. |  |  |  |  |  |
| 32- Telemedicine technology will not endanger the treatment and care for diabetic patients. |  |  |  |  |  |

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| **Items** | **Strongly agree** | **Agree** | **Neither agree nor disagree** | **Disagree** | **Strongly disagree** |
| **Part six: Security and reliability of telemedicine technology in diabetes management** | | | | | |
| 33- The use of telemedicine technology increases the confidentiality of information for patients with diabetes. |  |  |  |  |  |
| 34- Current information and communication technologies guarantee the security of telemedicine technology in diabetes management. |  |  |  |  |  |
| 35- The use of telemedicine technology reduces unauthorized access to medical information. |  |  |  |  |  |
| 36- Telemedicine technology prevents compromising patients' privacy. |  |  |  |  |  |
| 37- Telemedicine technology requires formulating security policies and guidelines for being used in managing diabetes. |  |  |  |  |  |