Blood transfusion safety is an important aspect each health organization is aiming for. If an error is committed during the transfusion process this could be deadly especially if the patient receives the wrong blood. Incompatible blood transfusion resulted in 11 deaths and 60 cases of major morbidity in a five year period (Turner et al., 2003). Studies suggest that technologies such as bar coding can reduce errors related to patient identification (Henneman et al., 2007).

The majority of participants were not sure about the difficulty of using this technology. There was a significant difference (p=0.039) between participants with varying computer skills regarding the role of bar-coding technology in reducing the ID-related transfusion errors. Participants with excellent computer skills were more supportive.

Based on the views of the participants, bar-coding technology can play an important role in improving the patient safety during the transfusion process via identifying and preventing the ID-related transfusion errors. Moreover, this technology could reduce the workflow complexity related to transfusion process.

References