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Basic Medical Sciences

Oral

**KNOWLEDGE, ATTITUDE, AND PRACTICE OF SELF-WOUND MANAGEMENT AMONG PATIENTS WITH DIABETIC FOOT ULCER (DFU) IN PAHANG**Sanisah Saidi<sup>1</sup> and Hamizah Farouzy<sup>1</sup><sup>1</sup>*Kulliyah of Nursing, IIUM, Kuantan, Pahang, Malaysia.*

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**Introduction:** A survey in 2011 reported that the prevalence of diabetes in Malaysia is 20.8% (2.8 million people) and 88% have uncontrolled diabetes. Diabetic foot ulcer (DFU) is one of the common diabetes complications in Malaysia that leads to other devastated situation including infection, amputation and death. In Pahang, 95% of the patients have uncontrolled diabetes and 50% of them suffered from DFU. Self-wound management is an important element in reducing the risk of further complications of DFU. However, little is known on the patients' understanding of diabetes and their practice of self-wound management. This study aimed to understand the knowledge, attitude and practice of self-wound management among patients with diabetic ulcer in Pahang.

**Materials and method:** A quantitative, cross-sectional study was conducted in a tertiary hospital in Pahang involving 100 participants. Participants were recruited using purposive sampling from April 2017 until May 2017. Participants' knowledge, attitude and practice of self-wound management were measured using self-administered questionnaires. Additionally, the data on socio-demographic was gathered. The data was computed into SPSS and analyzed using descriptive and inferential statistics.

**Results:** Out of 100 participants, 95% of them had good knowledge on diabetes and DFU, 84% had a positive attitude towards self-wound management and 56% perceived good practices of self-wound management. However, a chi-square test between knowledge on diabetes and DFU and practice of self-wound management found no significant interaction ( $p > 0.05$ ). Meanwhile, there was a significant interaction between attitude and practice of self-wound management ( $p < 0.05$ ).

**Conclusion:** Good knowledge on diabetes and DFU do not determine the patients' practice of self-wound management. However, positive attitude towards self-wound management would contribute to the practice and willingness of the patients to self-manage their foot ulcer wound at home.