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**ABSTRACT BOOK**

## PC109

**PREVALENCE OF MEDICATIONS NONADHERENCE AND ITS ASSOCIATED FACTORS AMONG TYPE 2 DIABETES MELLITUS PATIENT IN PRIMARY HEALTH CLINIC IN KUANTAN**

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**Introduction:** Diabetes is a common non communicable disease in Malaysia. As per this covid endemic era, patient's perception on medication therapy may differ from the past studies with the advancing of technologies and change in lifestyle of current populations. There is no available data on adherence in Kuantan at this point of time. From this study we would like to recognise the characteristics of nonadherence patient in other to intervene earlier. **Objectives:** This study is to measure the prevalence of type 2 DM patients who are nonadherence to treatment and factors associated with it. **Methods:** A cross sectional study was done among diabetics' patients attending the primary health clinics in Kuantan, Pahang. The data was collected using a set of validated questionnaires on adherence to diabetes medications. The information on clinical background of diabetes mellitus is obtained from the patient's diabetes record. **Results:** From a total 332 diabetics patients who had responded to this study, we found that 47.3% are nonadherence to their medications. Employment, smoking status, and insulin usage factors showed significant association with the nonadherence. **Conclusion:** Almost half of the diabetic patients in Kuantan are not adhere to their medications and there are factors that were identified to be significantly related to it.