

ABSTRACT

PROFILE OF USE OF INSULIN DEGLUDEC/ASPART DRUG IN PATIENTS WITH TYPE II DIABETES MELLITUS IN OUTPATIENT HOSPITAL. WIYUNG SEJAHTERA SURABAYA PERIOD JANUARY 2023- MAY 2023

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Diabetes Mellitus is caused by metabolic disorders in the pancreas which causes hyperglycemia due to decreased insulin production. There are three main types of Diabetes Mellitus: Type I, Type II, and Gestational Diabetes. Know information about drugs, types of therapy, rules for use, dosage, duration of treatment, GDA levels, and patient demographics at Wiyung Sejahtera Hospital Surabaya. Provides important information regarding the use of insulin degludec/aspart in patients with Type II Diabetes Mellitus. Retrospective research with descriptive observational methods, using primary (medical records) and secondary (prescription) data. Sampling was carried out by non-probability sampling, using purposive sampling techniques based on certain criteria. Types of insulin preximed single therapy and combination with oral OAD. The maximum duration of treatment is 2 months. Distribution of blood glucose levels from normal and hyperglycemia categories with 18 patients each (46%) with an average Pre Hyperglycemia GDA level ($>200\text{mg/dL}$) of 254.3mg/dL while after insulin treatment the post GDA level was obtained. in the normal category ($\leq 200\text{mg/dL}$) there were 26 patients (67%) with an average GDA of 153.3mg/dL . This shows that there was a decrease of 20.1mg/dL in blood sugar levels using the preximed insulin + biguanide combination therapy with an average value of pre GDA levels of 218.1mg/dL and post GDA of 198mg/dL .

Keywords : diabetes melitus, insulin, blood glucose, hipoglicemic