

ABSTRACT

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Title of Thesis: Treatment success sulphonylureas in type 2 diabetes

This construed examination paper deals with the analysis of the effectiveness of treatment with peroral antidiabetic drugs – sulphonylurea derivatives for 2nd type diabetics. In the theoretical section there are summarized the basic principles of screening and diagnosis of 2nd type diabetes. There is outlined algorithm of the selection of treatment and briefly described individual classes of peroral antidiabetic drugs. There is also a mention of other possibilities for pharmacotherapy of diabetes. More attention is given to peroral diabetic drugs from a group of sulphonylureas derivatives, where individual knowledge are supported by scientific studies.

The aim of experimental part of study was to follow experiences with sulphonylurea derivatives therapy on a group of patients treated in the medical facility Dům zdraví Havířov. There was followed the advantageousness of therapy and reasons for laying off the particular medicinal substances.

I found that most patients had experience with glimepiride, and combinations of peroral antidiabetic drugs from sulphonylurea group (SU-PAD) with metformin; gliquidon was most often ordained to elderly patients, whereas glimepiride to younger ones; and that the choice of SU-PAD was independent of patient's gender.

Preference in the selection of SU-PAD in the therapy of individual patients was assessed according to various parameters, the advantageousness of therapy, the treatment efficiency, side effects, the advantageousness of the combinations and weight reduction.

Keywords: diabetes mellitus, peroral antidiabetics, treatment success, sulphonylureas