

Combined therapy: insulin and oral hypoglycemic agents in type 2 diabetes mellitus

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Abstrak

Diabetes mellitus is a serious longstanding disease, which will cause chronic complications in several target organs throughout the body if left untreated. Subsequently, death might ensue. Prevention against the occurrence of such a grave outcome should be done in the first priority at all levels of health authority. Several large-scale epidemiological studies (Diabetes Complication Control Trial = DCCT in Type 1 DM and United Kingdom Prospective Diabetes Survey = UKPDS in Type 2 DM) have given proof that chronic complications of diabetes could be prevented through an effort to keep blood glucose within desirable (optimal) levels. In UKPDS, the incidence of retinopathy, neuropathy and nephropathy were significantly lower in the intensively treated group (HbA1c 7.1 %) as compared to the conventionally treated group (HbA1c 7.9%).