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Chronic Complications of Diabetes Mellitus

Un Article De Révision: Complications Chroniques Du Diabète Sucré

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ABSTRACT

BACKGROUND: This review article describes the chronic complications of diabetes mellitus (DM). The chronic complications of DM are diverse, often progressive and difficult to manage or reverse.

OBJECTIVE: The aim of this review is to highlight the current concepts in the pathogenic mechanisms of the chronic complications of diabetes mellitus, with a view to educate doctors and specialists on the management of these problems. Timely referral to the multidisciplinary team of each medical facility and tertiary health institutions is encouraged.

METHODS: The review of existing literature in the past fifty years and the management of diabetic patients in the past thirty years as a specialist and research scholar.

CONCLUSION: The molecular mechanisms in the chronic complications of DM are described in this review article. These includes the microvascular and macrovascular changes that occur in DM over many years. Also, the neuropathies are explained. The organ/system specific complications include: cardiovascular, renal, neurological, eye disease, skin changes, and diabetic foot syndrome.

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KEYWORDS: Chronic complications, Diabetes mellitus, Microangiopathy, Macroangiopathy, Neuropathy, and diabetic foot syndrome.

RÉSUMÉ

ARRIERE-PLAN : Cet article de synthèse décrit les complications chroniques du diabète sucré (DM). Les complications chroniques du diabète sont diverses, souvent progressives et difficiles à gérer ou à inverser.

OBJECTIF : Le but de cette revue est de mettre en lumière les concepts actuels des mécanismes pathogéniques des complications chroniques du diabète sucré, en vue de former les médecins et les spécialistes à la prise en charge de ces problèmes. L'orientation en temps opportun vers l'équipe multidisciplinaire de chaque établissement médical et établissement de santé tertiaire est encouragée.

METHODES : La revue de la littérature existante au cours des cinquante dernières années et la prise en charge des patients diabétiques au cours des trente dernières années en tant que spécialiste et chercheur.

CONCLUSION : Les mécanismes moléculaires des complications chroniques du diabète sont décrits dans cet article de synthèse. Ceux-ci incluent les changements microvasculaires et macrovasculaires qui se produisent dans le diabète au fil des années. Les neuropathies sont également expliquées. Les complications spécifiques à certains organes sont : les maladies cardiovasculaires, rénales, neurologiques, oculaires, les modifications cutanées et le syndrome du pied diabétique. **WAJM 2024; 41 (8): 904 - 908**

MOTS CLES: Complications chroniques, Diabète sucré, microangiopathie, Macroangiopathie, Neuropathie et syndrome du pied diabétique.

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