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吉首大学学报自然科学版 » 2006, Vol. 27 » Issue (5): 109-112 DOI:

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基质金属蛋白酶与糖尿病性动脉粥样硬化

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Relationship Between Matrix Metalloproteinases and Atherosclerosis in Diabetics Mellitus

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全文: PDF (342 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 青景资料

摘要 糖尿病并动脉粥样硬化(As)是糖尿病(DM)常见的慢性大血管并发症,DM死亡率中动脉粥样硬化占80%.基质金属蛋白酶(MMPs)与DM合并As的关系密切,MMPs在细胞外基质(ECM)动态平衡、组织重塑、修复等病理生理过程中起重要作用.DM合并As患者循环MMPs水平升高,提示MMPs在DM血管病变的发生、发展中起重要作用.应用干预措施降低MMPs产物活性有助于阻抑DM血管病变的发生、发展.

关键词: 糖尿病 动脉粥样硬化 基质金属蛋白酶

Abstract: As a common chronic macrovascular disease of diabetes mellitus (DM),Atherosclerosis (As) accounts for 80% mortality of DM.MMPs is known closely related to As in DM,and plays important roles in homeostasis of ECM,tissue remodelling and rehabilitating.High level of MMPs detected in diabetic patients with As suggests that MMPs may be important in the development and progressing of diabetic vascular disease.It would be helpful for preventing and restraining diabetic vascularopathy when targeting to decrease the level of MMPs.

Key words: diabetes mellitus atherosclerosis matrix metalloproteinases

基金资助:

湖南省教育厅科学研究项目(04C488)

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引用本文:

沙永红,唐炜立. 基质金属蛋白酶与糖尿病性动脉粥样硬化[J]. 吉首大学学报自然科学版, 2006, 27(5): 109-112.

SHA Yong-Hong,TANG Wei-Li. Relationship Between Matrix Metalloproteinases and Atherosclerosis in Diabetics Mellitus[J]. Journal of Jishou University (Natural Sciences Edit, 2006, 27(5): 109-112.

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