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人体干细胞移植在心肌梗死后受损的左心室功能中的作用的荟萃分析

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摘要: 目的 近来的荟萃分析提出心肌梗死后通过人体干细胞移植可使梗死心肌的整体功能和结构改善, 但未具体分析在心功能受损人群中干细胞的移植效果。笔者收集了2009年6月前心肌梗死后左心室功能受损的患者并做了分析, 目的是观察干细胞移植在这类患者中是否仍有利于减轻左心室结构的重构及观察在急、慢性心肌梗死中干细胞疗效的差异。方法 通过Medline、Embase、SCI、CENTRAL、CBMdisc数据库进行检索。结果 共收入10个随机对照研究, 629例患者。细胞治疗组的左心室收缩及舒张末容积较对照组缩小($P < 0.00001$), 干细胞移植后对左心室功能也较对照组有所改善, 但只对急性心肌梗死有效。结论 心肌梗死后, 在左心室射血分数减低时, 人体干细胞移植同样能迅速及持续的改善整体左心室收缩功能及结构, 但有可能仅对急性心肌梗死后的人群起作用。

关键词: 心肌梗死; 干细胞移植; 每搏输出量; 心室重构

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