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心脏移植后 1年内外周内皮依赖的血管舒张功能的评估

with in the first year after heart transplantation. JH eart Lung Transplant 2009 28 299-304 心脏移植物血管病 (CAV)是心脏移植后受者死亡的首要原因。有研究发现冠状血管内皮失功能 (endothelial dystinction

吴胜军 李伟栋摘译自 Rog E Cuppoletti A Masotti M et al Assessment of peripheral endothel al dependent vasodilatation

ED)现象是 CAV的早期表现,在非移植受者中也发现了外周血管 ED现象与冠脉血管失功现象之间有密切的相关性。因此,评 价外周血管 ED情况可能有助于判断早期 CAV发生的风险。西班牙的研究者对 40例心脏移植受者的前臂内皮依赖的血管反应

性进行评估 分别在移植后 1、6、12个月通过高分辨率肱动脉超声测量血流介导的血管舒张性(flow_m ed a ted vasodilatation EMD), 并在移植后 1、12个月通过冠状动脉血管造影, 移植后 1年通过血管内超声检查来确定是否存在心脏 CAV 结果发

现,术后 1个月的 FMD均值是 1.9% ±2.6%,6个月时到增加到 3.3% ±3.2% (P<0.005),1年时上升到 5.1% ±3.4% (P<

0 0001)。有 33例(82%)患者 EMID在术后 1个月严重受损, 27例(67%)在术后 6个月时显示损伤严重, 到术后 1年时减少 到 19例 (47%)。通过血管内超声发现,术后 1年时 19例确诊 ${
m CAV}$ 。不存在外周 ${
m ED}$ 现象的患者在术后 1个月时的血管内膜

增厚超过 $0.5~\mathrm{mm}$ 的概率比存在 ED 现象的患者明显减少(20% 比 75%, $\mathrm{P}{<}0.01$)。由此可见,心脏移植受者术后不久外周 EMD损伤比较常见, 而术后 1年也有近 50%的受者存在这种损伤。对于那些不存在外周 ED现象的患者在术后 1个月发生