

论著

心脏瓣膜直视手术后再次瓣膜手术155例分析

尹倪, 周康, 胡建国, 周新民, 刘锋, 李建明, 尹邦良

中南大学湘雅二医院心胸外科, 长沙 410011

摘要:

目的: 总结直视下瓣膜成形术或人工瓣膜置换术后再次行瓣膜手术的临床资料和外科经验。方法: 收集1996年1月至2010年10月的155例瓣膜直视手术后再次行瓣膜手术患者, 包括各种瓣膜的再次单瓣置换术, 双瓣置换术和三尖瓣成形术, 以及瓣周漏修补术等。再次手术间隔1~266 (94.82±85.37) 月。手术均在中低温体外循环下, 采用灌注冷晶体或含血停搏液下完成。结果: 再次瓣膜手术住院死亡率为5.81%, 其中2005年至2010年的住院死亡率为2.75%。再次手术后左室舒张末期容积, 房室内径显著缩小。术后最常见的并发症为室性心律失常和低心排。结论: 掌握再次瓣膜手术特殊的临床特点, 采取针对性的诊疗策略, 可以提高再次瓣膜手术的成功率。

关键词: 心脏瓣膜 人工瓣膜 再次手术 瓣膜成形 瓣膜置换

Reoperative valve surgery after open-heart valve surgery: a report of 155 cases

YIN Ni, ZHOU Kang, HU Jianguo, ZHOU Xinmin, LIU Feng, LI Jianming, YIN Bangliang

Department of Cardiothoracic Surgery, Second Xiangya Hospital, Central South University, Changsha 410011, China

Abstract:

Objective To summarize the characteristics of reoperative valve surgery after previous open-heart valve surgery. Methods From 1996 to 2010, 155 patients who underwent reoperative valve surgery, either valve replacement or tricuspid annuloplasty or the repair of perivalvular leakage were included in the study. The reoperative interval was 1-266 (94.82±85.37) months. All surgeries were carried out with extracorporeal circulation under moderated hypothermia. The cardioplegic solution in cold crystal or blood was used if heart beating was stopped during the surgery. Results The total in-hospital mortality was 5.81%, while it was 2.75% from 2005 to 2010. The end-diastolic dimension, size of atrium and ventricles were reduced after the reoperation. Ventricular arrhythmia and low cardiac output were the most frequent complications. Conclusion The success rate of reoperative valve surgery can be improved by the distinctive therapeutic strategies based on the clinical characteristics and therapy principles obtained from practice experiences.

Keywords: cardiac valve cardiac valve prosthesis reoperation annuloplasty valve replacement

收稿日期 2011-02-20 修回日期 网络版发布日期

DOI: 10.3969/j.issn.1672-7347.2011.

基金项目:

通讯作者: 尹邦良, E-mail: yinbl@21cn.com

作者简介: 尹倪, 博士, 主治医师, 主要从事先天性心脏病和心脏瓣膜病的外科治疗工作。

作者Email: yinbl@21cn.com

参考文献:

[1] Emery R W, Krogh C C, McAdams S, et al. Long-term follow up of patients undergoing reoperative surgery with aortic or mitral valve replacement using a St. Jude Medical prosthesis [J]. J Heart Valve Dis, 2010, 19(4): 473-484.

[2] Christiansen S, Schmid M, Autschbach R. Perioperative risk of redo aortic valve replacement [J]. Ann Thorac Cardiovasc Surg, 2009, 15(2): 105-110.

[3] 邹良建, 徐志云, 王志农, 等. 再次直视心脏瓣膜置换术疗效分析 [J]. 中华外科杂志, 2010, 48(16): 1214-1216.

ZOU Liangjian, XU Zhiyun, WANG Zhinong, et al. Reoperative valve replacement in patients undergoing

扩展功能

本文信息

- Supporting info
- PDF (882KB)
- [HTML全文]
- 参考文献[PDF]
- 参考文献

服务与反馈

- 把本文推荐给朋友
- 加入我的书架
- 加入引用管理器
- 引用本文
- Email Alert
- 文章反馈
- 浏览反馈信息

本文关键词相关文章

- 心脏瓣膜
- 人工瓣膜
- 再次手术
- 瓣膜成形
- 瓣膜置换

本文作者相关文章

PubMed

cardiac reoperation: a report of 104 cases [J]. Zhonghua Wai Ke Za Zhi, 2010, 48(16):1214-1216.

[4] 李建明, 胡建国, 周新民, 等. 左后外侧切口在再次二尖瓣手术中的应用 [J]. 中国医师杂志, 2004, 6(11):1463-1464.

LI Jianming, HU Jianguo, ZHOU Xinmin, et al. Application of left posterior lateral thoracotomy in reoperation of mitral valve [J]. Journal of Chinese Physician, 2004, 6(11):1463-1464.

[5] Roudaut R, Lafitte S, Roudaut M F, et al. Management of prosthetic heart valve obstruction: fibrinolysis versus surgery. Early results and long-term follow-up in a single-centre study of 263 cases [J]. Arch Cardiovasc Dis, 2009, 102(4):269-277.

[6] Exposito V, Garcia-Camarero T, Bernal J M, et al. Repeat mitral valve replacement: 30-years' experience [J]. Rev Esp Cardiol, 2009, 62(8):929-932.

[7] 李忠东, 景华, 李德闽, 等. 再次二尖瓣瓣膜替换72例 [J]. 医学研究生学报, 2009, 22(12):1284-1286.

LI Zhongdong, JING Hua, LI Demin, et al. Repeat cardiac surgery for mitral valve replacement: A report of 72 cases [J]. Journal of Medical Postgraduates, 2009, 22(12):1284-1286.

[8] 魏波, 许建屏, 吕峰, 等. 左心瓣膜置换术后远期三尖瓣关闭不全的外科治疗 [J]. 心肺血管病杂志, 2010, 29(6):477-479.

WEI Bo, XU Jianping, L Feng, et al. Effect of surgical treatment of tricuspid regurgitation late after valve replacement of left heart [J]. Journal of Cardiovascular and Pulmonary Diseases, 2010, 29(6):477-479.

[9] 肖学钧, 张镜芳, 吴若彬, 等. 左心瓣膜置换术后远期三尖瓣关闭不全的外科处理 [J]. 中华胸心血管外科杂志, 2003, 19(5):260-262.

XIAO Xuejun, ZHANG Jingfang, WU Ruobing, et al. Surgical treatment of late tricuspid incompetence after left cardiac valve replacement [J]. Chinese Journal of Thoracic and Cardiovascular Surgery, 2003, 19(5):260-262.

本刊中的类似文章

1. 杨进福; 胡建国; 周新民; 王坚刚; 保留瓣下结构二尖瓣置换术临床研究[J]. 中南大学学报(医学版), 2002, 27(1): 49-

2. 张海萍, 郭曲练. 不同剂量舒芬太尼对心脏瓣膜置换术病人气管插管应激反应的影响[J]. 中南大学学报(医学版), 2007, 32(03): 507-511

3. 黄日茂, 罗万俊, 陈胜喜, 蒋海河. 儿童心脏瓣膜病的机械瓣膜置换手术体会[J]. 中南大学学报(医学版), 2007, 32(01): 153-155

4. 张海萍*, 杨勇, 郭曲练. 心脏瓣膜置换术中舒芬太尼与芬太尼的麻醉效果比较[J]. 中南大学学报(医学版), 2005, 30(2): 238-240

5. 胡星明; 陈胜喜; 罗万俊; 蒋海河; 龙隆; 张卫星; 许寥梅; 缺血预处理对心脏瓣膜置换手术围术期甲状腺激素代谢的影响及临床意义[J]. 中南大学学报(医学版), 2003, 28(5): 505-

6. 陈胜喜; 郗二平; 张位星; 雷凯波; “钮扣状”转移保留二尖瓣全装置瓣膜置换的初步探讨[J]. 中南大学学报(医学版), 2003, 28(6): 615-

7. 李友清; 任飞; 阳红卫; 马新华; 蔡宏伟; 罗库溴铵对心脏瓣膜置换术病人血流动力学的影响[J]. 中南大学学报(医学版), 2003, 28(6): 653-