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COMPARATIVE ANALYSIS OF TRANSENDOCARDIAL AND INTRACORONAL INTRODUCTION OF MESENCHYMAL STEM CELLS AT REFRACTORY STENOCARDIA

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SUMMARY

The purpose is to assess the effectiveness of intracoronary introduction of autologous mesenchymal stem cells (MSC) in refractory stenocardia. All the patients underwent revascularized operations: 15 (50%) had aortocoronary bypass surgery (ACBS); 12 (40%) had got stents of coronary arteries and 3 (10%) had both ACBS+stents. Unfortunately, the effect of autologous MSC transplantation is not long and gradually disappears by the end of the twelve-month period; however, it is possible to apply refractory cell introduction and renew the cell cardiomyoplastics effect. It should be noted that the transendocardial introduction of cell transplant brings better results than those achieved by the intracoronary introduction.

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() 15 (50%) – () , 12 (40%) – 3 (10%) – 50 12

[1]. [2,4]. III-IV (2006) [5,6]. NOGA

NYHA) (UV) NOGA. 6,9 mV

[3]. 6,9 mV, ? 1,5 mV). (UV ?

()

30

» 2007 2013 50

«Angioscop D» Siemens ()

«Integris-3000» Phillips ()

(20 0,5%)

Jadkins

2010 .

15 : Seldinger S.

3,6 12 10

()

NOGA XP,

NYHA(II-IV),

: 15 (50%) –

(), 12 (40%) –

, 3 (10%) – +

7 15 , 7,42±3,8. (W),

(n<30).

: – 100%

– 94,7%, – 77,3%,

– 69,3%,

49,3% – 49,3%.

(.1);

« ».

7-Fr NOGA Star («Biosense-Webster»)

(MLHFQ),

NYHA

6-8

1.

		1-		2-	
		.	%	.	%
	1	6	40	5	33,3
	2	4	26,7	7	46,7
		13	86,7	13	86,7
		5	33,3	4	26,7
		3	20	3	20
		4	26,7	3	20
		2,9±1,5		2,3±1,8	

(>0,05).

39,3±4,6%,

31,2±7,1

38,3±4,6%

70,05

12

7,8-8,7

9,0-9,4

5,3-12,0

7,9-14,1

12

4,2-4,9

7,7-7,9

3,7-5,9

1.

2.

3.

NOGA XP,

3

12

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