Loop Technique For Perfect Mitral Valve Repair

One Technique Fits All Prolapse

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Loop Technique Repair

2008.4 - 2017.2
337 cases

Results 1

Prolapse site
Bileaflet
Anterior

Loop Technique Repair

2008.4 - 2017.2
337 cases

Additional Procedure

Loop in Loop
Needle side arm

Posterior height reduction
Barlow/ Forne Fruste
P2 height >25mm

Patch augmentation


Additional Procedure

<table>
<thead>
<tr>
<th>Additional Procedure</th>
<th>%</th>
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<tbody>
<tr>
<td>loop in loop</td>
<td>20%</td>
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<tr>
<td>needle side arm</td>
<td>15%</td>
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<tr>
<td>height reduction</td>
<td>8%</td>
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<tr>
<td>patch augmentation</td>
<td>2%</td>
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Repair rate 99.4%

No. of loop: 2-11 loops

Loop length: 14-24mm (median 18mm)

Results 2

Residual MR (early)

Residual ≥ MR (mid-term)

Re-do case (4/337: 1.1%)

Case | problems
--- | ---
1 | 24mm ring
ring detachment
2 | Post ECD repair
Leaflet thickness
3 | recent MII+PM rupture
tethering due to LV remodeling
4 | Marfan+Huge annuls
ruptured loop

Conclusion

Loop technique can be applied for all types of the mitral valve prolapse and these additional techniques is useful for perfect repair. The mid-term results are satisfactory.