

Analisis titik potong wilkins' score pada keputusan operasi reparasi dan replace katup mitral pada stenosis mitral di RS Jantung Pembuluh Darah Harapan Kita = Analysis on cutt off point of wilkins score on the decision of repair or replacement of mitral valve surgery in mitral stenosis at Harapan Kita Hospital for heart and blood vessels /
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Abstrak

ABSTRAK

Pendahuluan

Keputusan untuk melakukan tindakan operasi reparasi dan replace katup mitral pada stenosis mitral masih diperdebatkan. Tujuan penelitian ini adalah mencari hubungan antara Wilkin?s score dengan keputusan operasi reparasi dan replace katup mitral pada stenosis mitral, serta mencari titik potong nilai Wilkins? score pada operasi reparasi dan replace katup mitral

Metode

Penelitian adalah deskriptif analitik dengan pendekatan cross sectional secara retrospektif mencakup seluruh pasien dari RS Harapan Kita Jakarta yang dilakukan operasi stenosis mitral pada Januari 2010 ? September 2015 oleh satu orang dokter bedah Jantung. Hubungan Wilkins? score dengan keputusan operasi serta nilai titik potong Wilkins? score pada operasi reparasi dan replace menjadi luaran yang akan diteliti.

Hasil

Seratus dua puluh lima subjek dengan usia rata-rata kelompok reparasi $36,78 \pm 9,37$ tahun dan replace $44,49 \pm 9,29$ tahun. Didapatkan nilai mean Wilkins? score pada kelompok reparasi 6,5 (4-12) dan kelompok replace 8 (4-14) dengan nilai signifikansi $p<0,001$. Dengan area under curve 0,786 dan $p<0,001$, dapat dinilai titik potong Wilkins? score berada pada nilai 7. Dengan memerhatikan variabel lain yang menunjukkan adanya hubungan signifikan pada analisis bivariat yaitu usia, regurgitasi mitral dan Euro score, dilakukan analisis multivariate dengan uji regresi logistic didapatkan area under curve 0,946 dan $p<0,001$, dapat dinilai titik potong Wilkins? score berada pada 5. Kesimpulan

Wilkins? score berhubungan dalam pengambilan keputusan tindakan operasi reparasi dan replace katup pada subjek dengan stenosis mitral, dengan titik poin pada putusan operasi reparasi dan replace yaitu Wilkins? score 7. Jika Wilkins? score mempertimbangkan faktor usia, regurgitasi mitral dan Euro score titik poin pada putusan operasi reparasi dan replace yaitu Wilkins? score 5.

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ABSTRACT

Introduction

Decision on the repair and replacement of mitral valve surgery in mitral stenosis patients is still being debated. The aim for this research is to find the relationship between Wilkins' score and the decision between repair and replacing mitral valve in mitral stenosis cases, and to find the cut off point for Wilkins' score in the mitral valve repair and replacement procedure

Methods

The research is an analytic descriptive study with retrospective cross sectional design. This research covered all patients of Harapan Kita Hospital for Heart and Blood vessels that had mitral stenosis operations from January of 2010 until September 2015 that is conducted by one of the surgeon in that hospital. The relationship between Wilkin's score and the decision to operate and the cut of point of the Wilkins' score on the repair and replacement decision is the outcome that we are going to study in this research.

Results

One hundred and twenty five subjects with the mean age of repair $36,78 \pm 9,37$ years old and replacement age of $44,49 \pm 9,29$ years old. We found that the mean of Wilkins' score in the reparation group is 6,5 (4-12) and in the replacement group is 8 (4-14) with the significance value is $p < 0,001$. With area under the curve of 0,786 and $p < 0,001$ we can see that the the cut off point for Wilkins' score is 7. By seeing other variables to show the significance between all bivariates variable such as age, mitral regurgitation and Euro score, we conducted multivariate analysis of regression test we found area under the curve 0,946 with $p < 0,001$. We can assess that the cut off point of Wilkins' score is 5

Conclusion
Wilkins score is related with decision making of valve repair and replacment procedure in patients with mitral stenosis with poin between decision is 7. If Wilkins score consider other factors such as age, the presence of mitral regurgitation and Euro Score the point that determine the decision to repair and replace mitral valve is Wilkins' score 5.