

World Congress on

Cardiology and Cardiac Surgery

May 16-17, 2018 | Montreal, Canada

Right anterior minithoracotomy with conventional mechanical heart valve prosthesis initial experiences

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Background: Heart valve surgery from minithoracotomy has become in most centers worldwide but still is not much popular in our part of world in view of high cost involved. Suture less heart valve cost a lot in our part of world and has become most limiting factor for use of minithoracotomy in heart valve surgeries. We in our center have reexplored use of the conventional valve from right minithoracotomy aortic position.

Method: It is a review of a prospectively collected data of patient undergoing mini aortic valve replacement over one-year period. We have used conventional mechanical heart valve in aortic position in rheumatic aortic stenosis and regurgitation.

Result: Total 20 AVR has been performed from right anterior mini thoracotomy over one year. 12 (60%) of patient were male, one of the patient got reexplored from same incision for mediastinal bleeding. Mean total pump run and aortic cross clamp time was 96 and 88 minutes respectively.

Biography

Ravi Kumar Baral is a young and vibrant Cardiac Surgeon working in a position of Assistant Professor in the Department of Cardiothoracic and Vascular Surgery at University Hospital. He has completed his MCh in Cardiothoracic and Vascular Surgery in the year 2015. He has special interest in aortic surgery and mini-invasive cardiac surgery. He has performed more than 60 cases of mini atrial septal defect surgeries before moving into more complex valvular surgeries through a mini-invasive approach.

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