**STABILIZED RATE OF AORTIC VALVE SURGERY PERFORMED IN THE UNITED STATES IN RECENT YEARS WITH MARKEDLY LOWER RATE PERFORMED IN WOMEN**

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*Background*: Aortic valve surgery have been performed increasingly in high risk patients. The goal of this study was to evaluate this trend in based on gender in the United States. *Method*: The Nationwide Inpatient Sample (NIS) database was utilized to calculate the age-adjusted utilization rate for aortic valve surgery from 1988 to 2007 in the United State using ICD-9 coding for aortic valve surgery.

*Results*: A total population of 504371 type 2 DM patients underwent PCI between 1988-2006 were available for our study over the age of 40. We found that age adjusted rate of aortic valve surgery gradually increased from 1988 until 2000 and stabilized thereafter with persistently higher rate for men ( For men age adjusted rate in 1988 was 13.3 per 100,000 vs. 23.8 in year 2000 and 22.1 in the year 2007 per 100.000. For women, age adjusted rate in 1988 was 6,07 per 100,000 vs. 10.1 in year 2000 and 9.3.in the year 2007 per 100.000)

*Conclusion*: Aortic valve surgery utilization has stabilized in recent years in both gender in the United State. However, this rate is has been persistently more than double in men. The cause of this higher utilization in male is not known.