Clinical profile of patients with primary diseases of aortic wall attending a tertiary care centre in South India

Arun Beeman, B.V Sai Chandran and Durgaprasad Rath
Great Ormond Street Hospital, UK
Jawaharlal Institute of Postgraduate Medical Education & Research, India

Objective: A retrospective study was undertaken to find out the prevalence of aortic wall diseases among the South Indian population.

Methods: The databases of all patients admitted with aortic wall diseases from August 2008 to July 2012, in the department of cardiothoracic and vascular surgery at our center were analyzed.

Results: Among the 49 patients diagnosed to have aortic wall disease, 20 patients (40%) had aortic aneurysm, 18 patients (37%) had aortic occlusive disease and 11 patients (22%) had aortic dissection. The mean age of presentation for males and females were 48 years and 35 years respectively. Majority (67%) of the patients with aortic wall disease were hypertensive. Coronary artery disease was associated only in 8 patients (16%). Average time taken to diagnose aortic vessel wall disease varied from few days to years. The diameter of ascending aorta was more than 5 cm in 85% of patients. More than 60% of the patients with aortic occlusion disease had to travel an average of 220 km from their place of residence for final diagnosis of the disease. Nearly 40% of the patients with aortic occlusion had critical limb ischemia at the time of definitive diagnosis.

Conclusion: This study will help in deriving population based screening program to detect the aortic diseases at the earlier stage in all the high risk selective groups so that the expensive and hi-tech dependent investigations and the other resources can be appropriately utilized.

Biography
Arun Beeman completed his cardiothoracic and vascular surgery training in The Jawaharlal Institute of Postgraduate Medical Education & Research in India in 2015. He has special interest in Pediatric cardiac surgery and heart lung transplants. He is a member of Royal College of Surgeons, Edinburgh from 2011 and also a life member of Tamil Nadu Medical Council, India. He has 2 international publications and also won the upcoming young surgeon award (SUNDARAM AWARD) in 2008, awarded by Tamil Nadu and Pondicherry Association of Surgeons, India. At present working as specialty registrar in pediatric cardiothoracic surgery in Great Ormond street, London.

aroune16@gmail.com

Notes: