

# 13<sup>TH</sup> EUROPEAN CARDIOLOGY CONFERENCE

December 05-06, 2016 Madrid, Spain

## Factors associated with survival of post Coronary Artery Bypass Graft (CABG) patients registered in cardiology unit, National Hospital Sri Lanka (NHSL)

Seneviratne NHG<sup>1</sup>, Heath RRGCSB<sup>1</sup>, Samaruthilake GDN<sup>2</sup>, Gunaratne S<sup>1</sup>, Hadagiriathira HMI<sup>1</sup> and Mendis SAES<sup>1</sup><sup>1</sup>The National Hospital of Sri Lanka, Sri Lanka<sup>2</sup>Ministry of Health, Sri Lanka

**Background & Aim:** CABG is one of the treatment options for the patients with coronary artery disease (CAD). This study was aimed to describe survival up to occurrence of cardiac events and factors associated with them among CABG patients at NHSL.

**Methods & Materials:** Retrospective analytical study was carried out among the patients who had undergone CABG at least one year before the date of data collection. Cardiac event was defined as new occurrence of any condition namely; unstable angina (UA), ST elevated myocardial infarction (STEMI), non ST elevated myocardial infarction (NSTEMI) and heart failure (HF). Survival was assessed up to the defined cardiac events.

**Results:** The sample (n=421) consists 74.6% males and mean age was 63.16years (SD = 7.86). Event rates were UA (13.3%), STEMI (0.5%), NSTEMI (3.1%) and heart failure (8.6%). Kaplan-Mayer survival analysis revealed the probability of survival at 5 years was 79.6% (CI 0.781-0.871) and 10 year was 58.1% (CI 0.516- 0.688). Cox regression revealed significant associations with age (HR- 0.973, p=0.023), family history (FH) of hypertension (HR-2.2, p=0.044) compared to negative family history and activities of daily living (ADL) independency (HR=0.16, p= 0.011) compared to the ADL dependency.

**Conclusion:** CABG surgery reserves its own place in management of CAD. Sri Lankan survival data of CABG patients seems to be similar to other countries of the world. Age, status of ADL prior to CABG and family history of hypertension were significantly associated with survival.

### Biography

Seneviratne NHG obtained MBBS in Sri Lanka and MD in Medicine from Post Graduate Institute of Medicine, University of Colombo in 2013. Currently she is undergoing Post-doctoral training in Cardiology at Institute of Cardiology NHSL. She has published four papers in local forums and one poster presentation which won the gold medal for best poster in 2010. She has done oral and poster case presentations at Asian Interventional Cardiovascular Therapeutics Congress 2015, Dhaka, Bangladesh. She works as a sub inspector in ODYSSEY and TRIUMPH multi-centre clinical trials and a resource person in frailty study.

nsamaru@gmail.com  
nadeejaseneviratne@yahoo.com

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