

International Conference & B2B on

# Pharma Research and Development

June 06-07, 2018 | Philadelphia, USA

## Assessment of direct cost of treatment of ischemic heart disease patient in tertiary care hospital in Karachi

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**Statement of the Problem:** Major concern for all the countries is the expense due to IHD; research perform in UK, Thailand, India, China, and several other nations, have pointed out this important issue associated with the financial aspects of the diseases. For example, the estimated direct and indirect cost of CAD in the US for 2010 was \$177.1 billion. There is huge financial burden in UK due to CAD in 2004 and the estimated cost due to this disease was £8.47 billion per year (US \$15.52 billion, average exchange rate for year 2004 was 1.8326). CAD expense is a major part of the total expense of the health care system which is around 40.7%. The purpose of the study is to determine the direct cost of treatment of ischemic heart disease patient in tertiary care hospital in Karachi.

**Methodology & Theoretical Orientation:** This is a retrospective cost of illness study conducted in tertiary care hospital in Karachi between May 2015 to October 2015. All patients were included in the study diagnosed with IHD during admission at hospital between periods of August 2014 to June 2015. The research study conducted in a 100 beds tertiary care hospital attached with a medical university located in Karachi. Over all we evaluated 700 files of cardiovascular disease patients from which we separated the IHD patients' files. From separated IHD files we selected the most relevant 75 IHD patient files. Patient clinical information were obtained from the patients' medical file, and added with the unit cost of services to determine expense.

**Conclusion & Significance:** IHD is associated with high economic burden on society. Among different component of direct cost of treatment of IHD, surgical procedure was the main component of cost of treatment of ischemic heart disease patients.

### Biography

Maqsood Ahmed Khan has his expertise in evaluation of prescribing trend and cost of treatment of management of diseases. He has studied cost of treatment of community acquired pneumonia disease and ischemic heart diseases in a tertiary care hospital. His studies help and guide physicians in selection of least expensive drugs for the cure of diseases.

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