Centre for Management of Health Services
(IIMA - CMHS Seminar Series)

IIMA IN HEALTHCARE MANAGEMENT

Topic : **Improving R&D productivity and health care through Quantitative Tools**

Speaker : **Dr. Sandeep Menon**
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Bio-therapeutics R&D at Pfizer Inc. New York, United States

Venue : Wing- 11 Faculty Lounge, IIMA

Day & Date : Monday, January 05, 2015

Time : 11.00 A.M. (After an informal interaction over tea, the Seminar will begin at 11.15 a.m.)

Abstract

Pharmaceutical industry is entering an exciting new era in drug development with recent scientific and technological advancement. Research methods are evolving and we have many promising prospects on the horizon. The industry has contributed to significant improvements in patient well-being with patients living longer with better quality of life. However, there is a need to improve R&D productivity. The impact of low R&D productivity and escalating costs of drug development on the health care quality, access and health care costs have been well documented. Less than 10% of new compounds that enter clinical trials ultimately make it to the market. Some of these challenges are discussed in the "critical path" publication by the US Food and Drug Administration (FDA). The document emphasizes on using quantitative tools and various opportunities to improve drug development. This talk will briefly cover one of these tools. An overview of meta-analysis in clinical trials as a part of comparative effectiveness research will be provided. We will discuss some basic yet commonly used quantitative methods. Few real life scenarios on the application and influence of these methods in clinical trials specific to the pharmaceutical industry, and health care decision making will be highlighted.

Speaker's Profile

Dr. Sandeep Menon is currently an Executive Director and Head of Biostatistics at the Bio-therapeutics R&D at Pfizer Inc, where he is in charge of all the biostatistics activities for the entire portfolio within the Bio-therapeutics space. He is a core member of the global statistics leadership team and manages director and senior director level reports. Sandeep has been working in the industry for over a decade. He is also an Adjunct Assistant Professor at Boston University where he has been teaching part-time since 9 years and guiding doctoral students. He has taught several short courses and is a regular invited speaker and panelist in academic, FDA and Industry forums. He has several publications in well-known journals and recently co-authored and co-edited the first book on Personalized Medicine which was published in April' 2014. He is the co-chair of DIA (Drug Information Association) sponsored sub team on the "Role of Adaptive Designs in Personalized Medicine", member of the sub-team "Biomarker identification and analysis" sponsored by the Society for Clinical trials and is in the Editorial Board for Journal of Medical Statistics and Informatics. Sandeep received his Bachelors in Homoeopathic Medicine and Surgery from Karnataka University, India, then completed his Masters in Public Health Research and PhD in Biostatistics from Boston University, USA. He was also a research fellow (assistant) at Harvard Clinical Research Institute, USA.