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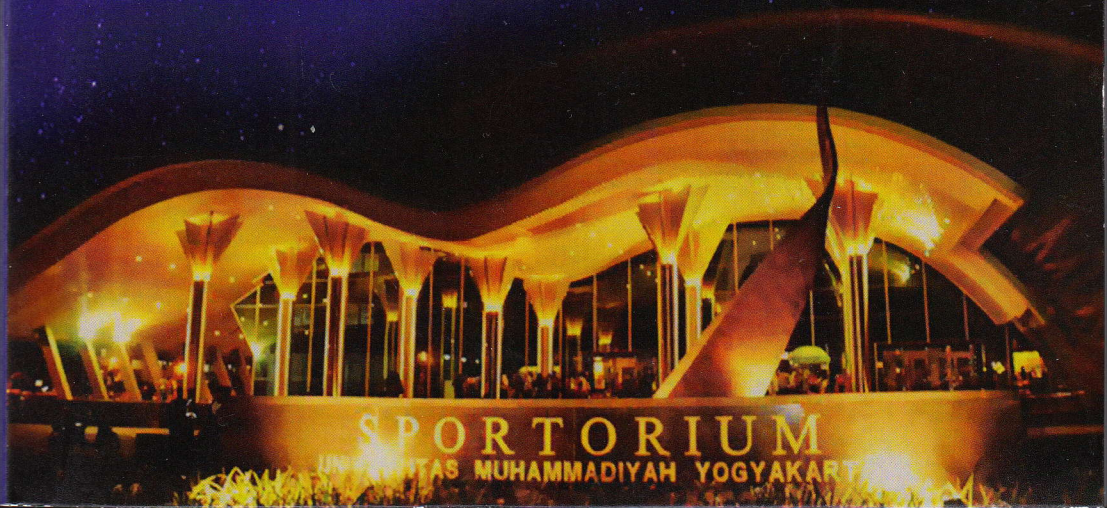
September 1st - 3rd, 2015
Asri Medical Center Yogyakarta

Program Book & Supplements

International Conference

of Medical and Health Sciences 2015

"Leveraging Multidisciplinary Collaboration
to improve Healthcare Quality and Equity"





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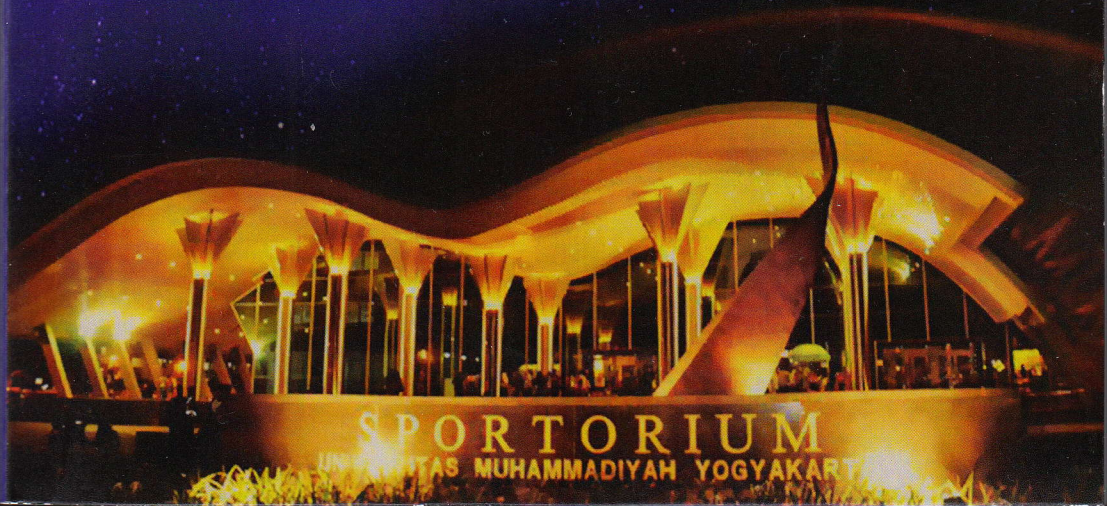


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**PROGRAM BOOK & SUPPLEMENTS
INTERNATIONAL CONFERENCE
OF MEDICAL AND HEALTH SCIENCES 2015**

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Gene-Environment Interaction and aetiology of disease: End stage renal disease study case

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ABSTRACT

Background: Exposure of cigarette smoke and genetic factors, IGF-1 gene polymorphism, are believed to affect the incidence of end stage renal disease (ESRD). But until now which is more influential on ESRD events, whether external factors, exposure of cigarette smoke or internal factors, IGF-1 gene polymorphism are unknown. Objective: The purpose of this study is to find out which one has more influence on the incidence ESRD whether external factors (exposure of cigarette smoke) or internal factors (IGF-1 gene polymorphisms). Method: It was done by academic literature reviews on the latest academic obtained from primary and secondary literature sources, journals, thesis or dissertation. The data and information are analyzed and synthesized, be used to answer the problem. The results of the study are presented in descriptive narrative and analytical. Results: The results showed that exposure to both external factors and internal factors, cigarettes smoke, IGF-1 gene polymorphisms, affect the ESRD incidence. Results of observational studies showed that the incidence of smoking increases the risk of ESRD. Data results of case-control studies of IGF-1 gene polymorphism are also showing that an IGF-1 also increased the incidence of ESRD. Data analysis of interaction between cigarette smoke exposure with IGF-1 gene polymorphisms on the incidence



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