

World Summit on **OBESITY AND WEIGHT MANAGEMENT**

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Uric acid and NO Level Between Obes and Non obes**Rosa Lelyana***Researcher and Lecturer of Medicine Faculty of Diponegoro University, Indonesia***Abstract**

Introduction: Obesity is a risk factor for many diseases in this world cause of energy imbalance. Uric acid and nitric oxide has relationship with endothel dysfunction. So many people has lack of understanding that uric acid and nitric oxide has the main role for getting endothel dysfunction in obesity morethan non obes condition. So, this review study discuss the uric acid and NO level of obes and non obes condition.

Method: Randomized Pretest-Postest Control Group Design

Results: Obesity has higher uric acid level and lower NO than non obesity. Uric acid level of obesity groups have higher level than non obesity groups and have significant difference between obesity groups and non obesity groups ($z=-3.32;p=0.001$). Obesity has lower NO level than non obesity although not significant difference between obesity and non obesity groups ($z=1.46;p=0.16$)

Discussion: Accumulation of adipose tissue influence the higher of uric acid level and the lower of NO level in obes than non obes. Non obes has the higher NO level cause of without accumulation of adipose tissue. NO bioavailability of obesity is decreased related to imbalance between generation and degradation. Obesity has accumulation of adipose tissue with proinflammatory condition, so this accumulation of adipose tissue will increase xanthin oxidase which has relationship with higher uric acid level.

Conclusion: Higher uric acid level and lower NO level of obesity than non obesity.

Biography

Rosa Lelyana is a Medical Doctor/ Doctor/ General Practitioner/Scientist and Editor/ Reviewer of International Journals, Senior Lecturer, Professional Researcher for the research field related to Coffee/Medicine/Nutrition.

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