Coffee Consumption and Metabolic syndrome

data from AGAHLS was used to analyze the association over a period from 27 years to 42 years. Metabolism Syndrome is a large factor for diabetes mellitus type 2 (DM 2) and Cardiovascular Therefore, the Amsterdam Growth and Health Longitudinal Study (AGAHLS) examined the disease (CVD). It is known that the risk of DM 2 can be decreased by coffee consumption.

associated with lower HDL in women. For Men, coffee consumption was not associated with any of the components of the metabolic syndrome. The results showed that moderate and high (>2 cups/day) coffee consumption was significantly

BACKGROUND

Cardiovascular Disease (CVD) and diabetes mellitus type 2 (DM 2) are major health problems. Metabolic syndrome (MS) is the large risk factor of these diseases. It consists of five components:

- Elevated Blood Pressure
- Low HDL Cholesterol levels
- High triglycerides levels
- High fasting glucose levels Abdominal Obesity

When three of five components are present, metabolic syndrome is diagnosed.

The presence of MS is associated with approximately two-fold elevation in the risk of fatal CVD in men and nonfatal CVD in women. A threefold increase in risk for coronary heart disease and

The main causes of Metabolic syndrome (MS) are obesity, genetic factors and lifestyle factors like nutrition, smoking behavior and alcohol consumption.

A common lifestyle aspect, Coffee Consumption is often not studied in relation to the

The effects in previous studies were found inconsistent. But most of these studies focused on short term effects of coffee consumption.

In the present study, long term coffee consumption and MS components were investigated.

METHOD

- Performed observational longitudinal study started in 1976 with 450 boys and
- Anthropometric(height, weight), biological(blood pressure, lipoprotein), lifestyle and psychological data collected over 30 years
- Coffee consumption was measured with questionaire at age of 27, 29 32, 36 and 42 years of age expressed in cups/day

RESULTS

 Result 1 Result 2 Result 3

> To examine the association "Two Stages LINEAR REGRESSION" analysis was used. different questionaires

Covariates like Physical activity, Energy intake, Smoking was measures through

- In Men, coffee consumption was categorized in (≤2, >2 and ≤4, >4 and ≤6, >6
- In Women, it was (≤2, >2 and ≤4, >4 cups/day) because group size on highest
- To evaluate main effect, a 5% significance level was assumed

- List methods and descriptions here
- Method 1
- Method 2
- Method 3

CONCLUSIONS

- Conclusion 1
- Conclusion 2
- Conclusion 3