

## PS1.125

### **Relationship between alcohol consumption and prostatic hyperplasia according to facial flushing after drinking in Korean men**

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**Background:** The purpose of this study was to examine the relationship between alcohol consumption and prostatic hyperplasia according to facial flushing after drinking among Korean men.

**Method:** The subjects were 957 Korean men (non-drinker, 180 men; drinking-related facial flushing group, 389 men; non-flushing group, 388 men) of the 40-69 ages who had undergone prostate ultrasound at the health promotion center of Chungnam National University Hospital between 2008 and 2014. Alcohol consumption and alcohol-related facial flushing were assessed through a questionnaire. In terms of the amount consumed, 14g of alcohol was considered a standard drink. With the non-drinker group as reference, logistic regression was used to analyze the relationship between weekly alcohol intake and prostatic hyperplasia for the flushing and non-flushing groups, with adjustment for confounding factors such as age, body mass index, smoking, and exercise patterns.

**Result:** In the group of drinking-related facial flushing aged 50 to 59 years had significantly lower prostatic hyperplasia risk than the non-drinker group depending on alcohol consumption {( $\leq 4$  standard drinks: adjusted odds ratio [OR], (95% confidence interval), 0.38 (0.16-0.86);  $4 < \leq 8$  standard drinks: [OR], 0.35 (0.13-0.95);  $> 8$  standard drinks: [OR], 0.33 (0.13-0.84)}. However, no significant relationship between the drinking amount and prostate hyperplasia risk was observed in the non-flushing group.

**Conclusion:** Prostatic hyperplasia risk is likely lowered by alcohol consumption among flushing group aged 50 to 59 years.