

European Respiratory Society Annual Congress 2012

Abstract Number: 4936

Publication Number: P1966

Abstract Group: 6.3. Tobacco, Smoking Control and Health Education

Keyword 1: Smoking **Keyword 2:** Epidemiology **Keyword 3:** Public health

Title: Nicotine yield and roll your own (RYO) cigarette usage in a large municipal hospital smoking cessation center

Dr. Marios 30943 Kougias marioskougias@hotmail.com MD ¹, Dr. Christina 30944 Goga pneumclinevah@yahoo.gr ¹, Dr. Evangelos 30979 Balis pneumclinevah@yahoo.gr ¹, Dr. Stavroula 30980 Boulia pneumclinevah@yahoo.gr ¹, Dr. Marousa 30981 Kouvella pneumclinevah@yahoo.gr ¹ and Prof. George 31088 Tatsis pneumclinevah@yahoo.gr ¹. ¹ Evaggelismos Hospital, Athens, Greece .

Body: Purpose Men and women differ in their sensitivity to nicotine. In addition many smokers believe that roll-your-own (RYO) cigarettes are not as addictive as manufactured cigarettes. The purpose of our study was to compare the different characteristics of smokers addressing to our smoking cessation center. Methods Forty three people (20 male and 23 female), mean age of $48,81 \pm 1,62$, smoking $41,92 \pm 3,46$ packyears participated in our survey, at Evaggelismos Hospital during the last year. Nineteen(19) used RYO cigarettes, while 24 used manufactured cigarettes. Analysis was performed with the aid of the independent sample t- test. Results** Men using RYO cigarettes were of mean age $40.43 \pm 3,45$ and smoked $48,28 \pm 8,65$ packyears while women using manufactured cigarettes aged $55,46 \pm 2,84$ and smoked $49,38 \pm 6,52$ packyears. On the other hand women using RYO cigarettes were of mean age $45,91 \pm 3,45$ smoking $26,29 \pm 5,06$ while women using manufactured cigarettes aged $49,45 \pm 2,36$ and smoked $46,09 \pm 6,25$ packyears. The difference of smoking usage (packyears) is statistical significant at 0,05 (both sided). Nicotine yield of manufactured cigarettes was different between men and women ($0,68 \pm 0,067$ mg vs $0,48 \pm 0,073$ mg) at a $p = 0,052$), while there is no record of RYO nicotine composition. **results expressed as mean \pm SE Conclusions Smokers using RYO cigarettes are younger than those using manufactured cigarettes. Interestingly women using RYO cigarettes present a significantly smaller (by 46%) amount of packyears than those using manufactured cigarettes. In addition women smoke less than men and they chose cigarettes with less nicotine yield.