

Abstract Title : *CARDIOVASCULAR RISK EVALUATION IN HYPERTENSIVE PATIENTS WITH FRAMINGHAM AND SCORE SCALES*

Abstract Body :

OBJETIVE:To evaluate the cardiovascular risk in hypertensive patients with Framingham and SCORE project scale and to analyse the correlation between their. **DESING:** Observational descriptive study. **PARTICIPANS:** We select 849 hypertensive patients (64% females,36% males) by aleatory simple sampling of 3.284 hypertensive patients with following in primary care. The average aged was 69,8 years (male 68,2 and female 70,7) **SETTING:** Two Spanish primary care centres **MAIN OUTCOME MEASURES:** Age, sex, blood pressure, glycaemia, lipids and smokers. The Cardivascular risk was estimate with Framingham scale (Grundy 99) and The SCORE project scale. The first use age, sex, total cholesterol, HDL-cholesterol, systolic blood pressure, diabetes and smokers. It estimate the absolute and hard coronary risk (Coronary disease risk over 10 year) and relative risk. The second use age, sex, total cholesterol, HDL-cholesterol, systolic blood pressure, diabetes and smokers.It estimate the mortality cardiovascular risk over 10 years. **RESULT:**Framingham scale: The average Absolute coronary risk (ACR) was 17,29% (IC95%:16,67÷17,91),male 21,76%,female 14,78% (p<0.05). Hard coronary risk (HCR) was 12,54% (IC95%:11,99÷13,09),male 17,26%,female 9,89% (p<0.05). Relative risk (RR) was 2,02 (IC95%:1,96÷2,08), male 2,14 and female 1,95 (p<0.05). The patients with ACR between 10%-20% were 56% and >20% were 26%. SCORE Project: The average mortality cardiovascular risk (CVR) was (without use the diabetes) 2,16% (IC95% 2,08÷2,24), male 2,83%, female 1,79% (p<0.05)and with use the diabetes was 2,48 (IC95%: 2,39÷2,58),male 3,04%,female 2,17% (p<0.05). The patients with CVR between 2%-4% were 61% and >5% were 12%. We found positive correlation (p<0.01) of Score scale (with and without diabetes) with Framingham scale (ACR, 0,79, 0,72; HCR 0,79, 0,71; RR 0,44, 0,54) and we can propose a regression equation: SCORECV=0,095 (-0.063÷0,25) + 0,2 (0,19÷0,21) x HCR (R2= 0,63) SCORECV=-,042 (-0.60÷-0,23) + 0,17(0,16÷0,18) x ACR (R2= 0,62) **CONCLUSIONS:**The cardiovascular risk in the most patients hypertensive was in Framingham scale between 10%-20% (absolute coronary risk) and Score scale between 2-4% (mortality cardiovascular risk). We found intensive correlation between Framingham and SCORE scale.

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