

GW23-e1933

**STUDY ON EFFECT OF SMOKING ON PULSE WAVE VELOCITY AND CAROTID ARTERY INTIMA-MEDIA THICKNESS AS WELL AS ANKLE-BRACHIAL INDEX IN AGED PEOPLE**

doi:10.1136/heartjnl-2012-302920d.31

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**Objectives** To study the pulse wave velocity and carotid artery intima-media thickness as well as ankle-brachial index in aged people with smoking.

**Methods** A total of 1659 people over 60 years who were resident population in somewhere of jiangsu province were involved in the follow-up survey. The smoking time and proportion of male with female were as investigation indices; pulse wave velocity and carotid artery intima-media thickness as well as ankle-brachial index were tested as general clinical data.

**Results** 1038 male and 621 female were in research, 478 were smokers, and the total smoking rate is 28.8%, while the percentage of smoking was 44.2% in all male, 3.1% in all female. The smoking rate in male was significantly more than that in female, almost smoking time was 10 years. Compared with non-smokers, the pulse wave velocity of smokers speeded up at different levels, the carotid artery intima-media thickness was in increasing trend, the detection rate of ankle-brachial index was 13.0%, while 0.08% in non-smokers.

**Conclusions** The male smokers were more than female smokers in the area, arteriosclerosis of cardiovascular diseases were induced easily in smoking population.