Editorial

Benefits of smoking cessation for coronary heart disease patients

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Cardiovascular disease (CVD) incidence increases with age and is frequently higher in the elderly. Therefore prevention of CVD in the elderly through management of risk factors is important in order to reduce the risk of coronary heart disease (CHD). There are several risk factors of CVD that can be modified, such as smoking, physical activity, and unhealthy diet. Cessation of smoking is the most potent measure to prevent thousands of CVD events and deaths. (2)

Smoking is a modifiable major risk factor that causes several types of disease resulting in death. Various epidemiological studies in the last five decades have demonstrated a causal relationship between smoking on the one hand and CHD and mortality on the other.⁽³⁾

During these decades mortality from CVD had started to decrease in developed countries with the reduction in the number of smokers, but CVD is still the main cause of death.

One study found that cessation of smoking in the elderly is still of benefit. (4) A meta-analytical study involving 503,905 subjects aged 60 years and older showed a significant association between smoking status and CVD mortality in smokers, with a hazard ratio of 2.07 (95%CI: 1.82 – 2.36) for current smokers and 1.37 (95%CI: 1.25-1.49) for former smokers in comparison with never-smokers. (5) The risk in smokers increased with increasing cigarette consumption in a dose-response manner, and

decreased continously with time in former smokers after they ceased to smoke. An European study on 1,439 subjects aged ≥40 years who smoked >10 cigarettes per day showed a consistently high CV risk from smoking on the basis of the prediction models employed. According to the Systematic Coronary Risk Evaluation (SCORE) model, the probability of death from CVD in the next 10 years was twice that of non-smokers. (6)

Consistent study results showing increased risks relative to CVD occurrence and mortality have become more important for eliminating smoking as the source of these studies and CVD mortality, through smoking cessation programs. (7)

Cessation of smoking as early as possible is associated with increased survival rate and quality of life, and reduces health care costs for smoking-related diseases. The principal benefit of smoking cessation lies in improved cardiovascular health. (8) Communication on the risks of smoking and on the benefits of cessation of smoking is the most effective promotion effort. In order to eliminate the health and economic burden of CVD, future country-specific interventions on smoking cessation should be based on improved community-based smoking cessation programs at the primary health level. measures as counseling pharmacotherapy can be used by primary health practitioners to influence the results of smoking

cessation efforts. Simple advice from GPs has been shown to substantially increase smoking cessation rates. (9)

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