

## C745446 : MAJOR MEDICINE (Endocrinology)

KEY WORD: APOLIPOPROTEIN A-1/ APOLIPOPROTEIN B-100/ CORONARY ARTERY DISEASE  
VACHIRA THANAPRACHUM : RELATION OF APOLIPOPROTEIN A-1 APOLIPOPROTEIN  
B-100 AND CORONARY ARTERY DISEASE. THESIS ADVISOR : ASSO. PROF. VITTAYA  
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The study of relation between apolipoprotein A-1, apolipoprotein B-100, cholesterol triglyceride HDL-cholesterol and coronary artery disease was performed in chulalongkorn hospital during april1, 1995 to september 30, 1996. The 165 patients who had symptoms and signs of coronary artery disease were studied.

Patients with significance stenosis had higher apolipoprotein A-1 and HDL-cholesterol than patients without significance stenosis ( $p = 0.0297$  ;  $p = 0.0003$ ). HDL-cholesterol had more significance difference. So it had more predictive value.

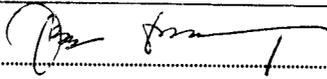
Patients with significance stenosis had higher apolipoprotein B-100 than patients without significance stenosis ( $p = 0.0283$ ). There was no difference between the two groups of patients in cholesterol level ( $p = 0.2349$ ) but in sub-group analysis of male patients, apolipoprotein B-100 had less significance difference than cholesterol ( $p = 0.0542$  ;  $p = 0.0233$ ). Therefore in male patients, cholesterol had more predictive value. In female patients, both patients with and without significance stenosis had no difference in apolipoprotein B-100 and cholesterol ( $p = 0.0704$  ;  $p = 0.6278$ )

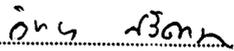
Triglyceride in patients with significance stenosis was higher than in patients without significance stenosis ( $p = 0.0208$ ), but the difference was not showed in male patients. ( $p = 0.6061$ ). In contrast, female patients with significance stenosis had higher triglyceride than female patients without significance stenosis ( $p = 0.0016$ )

ภาควิชา..... MEDICINE

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