

## The correlation between hs C-reactive protein and left ventricular mass in the obese women

Idrus Alwi, author

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### Abstrak

Kadar C-reactive protein (CRP) dalam plasma dilaporkan meningkat pada individu obes. Pada penelitian ini akan dievaluasi korelasi antara hsCRP dan massa ventrikel kin. Empat puluh lima wanita obes sehat dan empat puluh lima wanita non obes sehat sebagai kontrol dilakukan evaluasi ekokardiografi dan pengukuran kadar hsCRP. Tidak terdapat korelasi antara hsCRP dan massa ventrikel kiri pada wanita obes ( $r=0,29$ ,  $p=0,06$ ). Terdapat korelasi bermakna antara hsCRP dan indeks massa tubuh ( $r=0,46$ ,  $p=0,002$ ), dan juga hsCRP dan ketebalan lemak visceral ( $r=0,33$ ,  $p=0,03$ ). (Med J Indones 2006; 15:100-4)

Plasma C-reactive protein (CRP) concentrations are increased in obese individuals, in this study, we examined the correlation between hsCRP and left ventricular mass (LV mass). Fortyfive healthy obese women and forty five healthy non obese women as the controls group were studied by echocardiography and hsCRP. There was no significant correlation between hsCRP and left ventricular mass in obese women ( $r=0,29$ ,  $p=0,06$ ). There was a significant correlation between hs CRP and body mass index ( $r=0,46$ ,  $p=0,002$ ), and also hsCRP and visceral fat ( $r=0,33$ ,  $p=0,03$ ). (Med J Indones 2006; 15:100-4)