

()
/ /
/ /

- *

∴
,
,
-
- ∴
(%)
(%)
Odds Ratio
(% /)
($P<0/000$) (%)
/

III

(CAD)

-
(CAD)
()
-
() CAD

Hamideh_moravvej@yahoo.com :

∴
∴
∴
∴

.(-)

%

HDL LDL

MI

(Case-Control Study)

%

Hamilton-Norwood

)

(

LDL

(MI)

HDL



none

stage I

Level 0



frontal only

stage II, III, IIIa, IVa

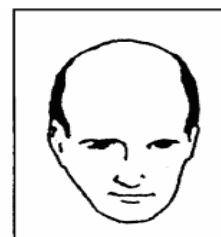
Level 1



vertex only

stage III-vertex

Level 2



frontal and vertex

stage IV, V, Va, VI, VII

Level 3

Hamilton-Norwood

-

LDL MI HDL () t-test

(P = 0.2)

() (stage 3)

Odds ratio

(Confidence- Interval)

%

(% /)

(stage 2) (%)

(P< /)

/

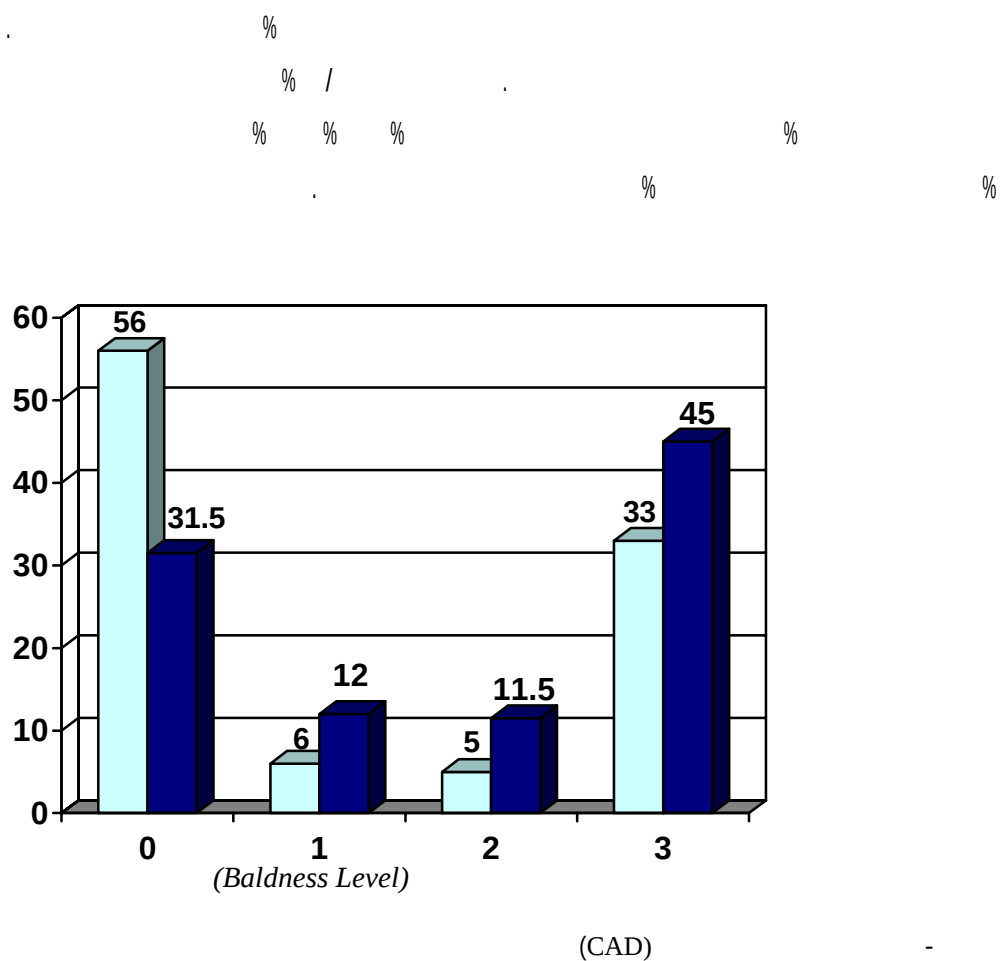
% (O.R= /)

/ /

HDL (%)	LDL (%)	(%)	(%)	Mean ±SD	
(/)	()	(/)	()	/ ± /	(N= 200)
(/)	()	()	()	/ ±	(N=200)

(Hamilton-Norwood Scale)

(%)	(%)	
(/)	()	
(/)	()	
()	()	



()

.(/)

LDL

LDL

.(-)

LDL

.()

.()

HDL

,

,

.() (diagonal earlobe crease)

ECG

.()

/

()

(M)

.()

,()

.()

.()

()

Matilainen

- Practice based

.(P= /)

(/)

(P= /)

(P= /)

. (/)

(P= /)

.(P= /)

(/)

)

(

()

Matilainen

- Population based

revascularization

()

Lotufo

III

)

.(

)

.(HDL

III

" "

() Ben Halim

() Sasmaz

)

, : (

,HDL ,LDL , MI
B A1 ,(a) (ECG)

()

)

(

(a)

%(P< /)

%

(a) (,)

)

(

,

REFERENCES

2. Ridker PM, Genest J, Libe P. Risk factors for atherosclerotic disease. Heart Diseases, Vol 1. WB Saunders 2001.
3. Vasan RS, Benjamin EJ, D'Agostino RB. The Burden of Increasing Worldwide Cardiovascular Disease. In: Fuster V, Alexander RW, O'Rourke RA, et al, editors. Hurst's The Heart. 11th ed. New York: Mc Graw Hill.2004; P:15-40.
4. Ellis JA, Stobbing M, Harrap SB. Male pattern baldness is not associated with established cardiovascular risk factor in general population. Clin Sci (lond) 2001;100:401-4.
5. Lesko SM, Rosenberg, Shapiro S. A Case-Control study of baldness in relation to myocardial infarction in men. JAMA 1993;269:998-1003.
6. Miric D, Fabijanic D, Giunio L, Eterovic D, Culic V, Bozic I, et al. Dermatological indicators of coronary risk: a case-control study. Int J Cardiol 1998;67:251-5.
7. Trevisan M, Farinaro E, Krogh V, Jossa F, Giumetti D. Baldness and coronary heart disease risk factor. J Clin Epidemiol 1993;46:1213-8.
8. Matilainen V, Koskela P, Keinanen-Kiukaanniemi S. Early androgenetic alopecia as a marker of insulin resistance. Lancet 2000;356:1165-6.
9. Lotufo PA, Chae CU, Ajane UA, Hennekens CH, Manson JE. Male pattern baldness and coronary heart disease. Arch Intern Med 2000;160:165-71.
10. Matilainen VA, Makinen PK, Keinanen-Kiukaanniemi SM. Early onset of androgenic alopecia associated with early severe coronary heart disease: a population- based case-control study. J Cardiovasc Risk 2001;8:147-51.
11. Ben Halim MM, Meyrick G, jeans WD, Murphy D, Burton JL. Myocardial infarction, androgen and the skin. Br J Dermatol 1978;98:63-8.
12. Sasmaz S, Senol M, Ozcan A, Dogan G, Tuncer C, Akyol O, et al. The risk of coronary heart disease in men with androgenic alopecia. J Eur Acad Dermatol Venerol 1999;12:123-5.