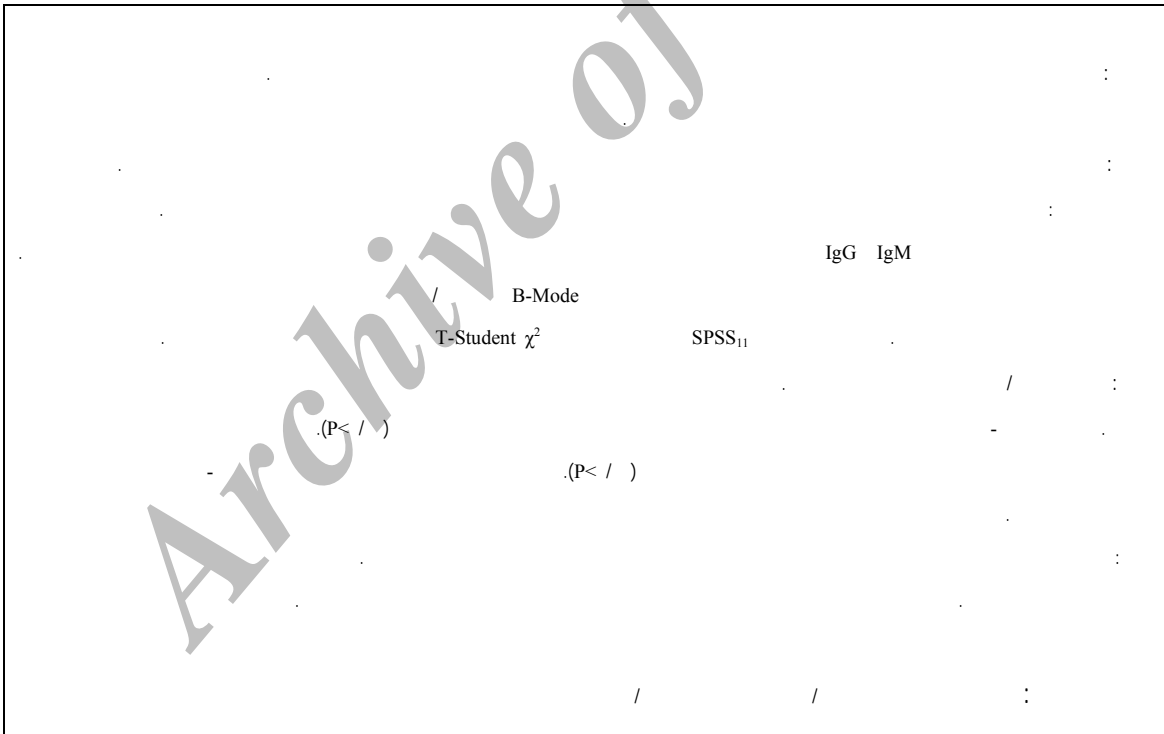

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(SGpT SGoT

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BMI

(IMT)

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IMT

Wing Med B-Mode

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IMT

IMT

IMT

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Merck

IgM IgG

IgM IgG

≥ U/ML

T-Student

SPSS₁₁

P< /

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()

IgM IgG
IgM IgG

P.value			
/	/ ± /	/ ± /	()
/ *	/ ± /	/ ± /	BMI
/ *	± /	± /	Total cholesterol(mg/dl)
/ *	/ ±	/ ±	LDL(mg/dl)
/ *	± /	±	TG
/ *	/ ± /	/ ±	FBS
/ *	(/)	(/)	(%)
/	(/)	()	
/ *	()	(/)	

(P< /)*

IMT :

P.value				
/	± /	/ ± /	IgG	(u/ml)
/	/ ± /	/ ± /	IgM	
/ *	/ ± /	/ ± /	common carotid	(mm)
/ *	/ ± /	/ ± /	Bulb	
/ *	/ ± /	/ ± /	internal carotid	
/ *	/ ± /	/ ± /	carotid(total)	
/	/ ± /	/ ± /	common carotid	(mm)
/ *	/ ± /	/ ± /	Bulb	
/ *	/ ± /	/ ± /	internal carotid	
/ *	/ ± /	/ ± /	carotid artery	

(P< /)*

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Archive of SID

1.Vlachoyiannopoulos PG, Kanellopoulos PG, Ioannidis JPA, Tektonidou MG, Mastorakou I, Moutsopoulos HM. Atherosclerosis in Premenopausal Women with Antiphospholipid Syndrome and Systemic Lupus Erythematosus: A Controlled Study. *Rheumatology* 2003; 42: 645-51.

2.Dropinski J, Szczeklik W, Wegrzyo W. Increased Carotid Artery Intima-Media Thickness as an Indicator of Atherosclerosis in Patients with

Connective Tissue System Disease. *Polish Heart J* 2003; 59(12): 1-4.

3.Svenungsson E, Jensen-Ursatd K, Heimburger M, Silveria A, Hamsten A, deFaire V, et al. Risk Factors for Cardiovascular Disease in Systemic Lupus Erythematosus. *Circulation* 2001; 104(16): 1887-93.

4.Dropinski J, Szczeklik K, Rubis P, Sydor WJ. Anti-Phospholipid Antibody and Carotid-Artery

Intima-Media Thickness in Young Survivors of Myocardial Infarction. *Med Sci Monit* 2003; 9(4): 145-9.

5.Ames PR, Margarita A, Delgado-Alves J, Tommasino C, Iannaccone L, Brancacilo V. Anticardiolipin Antibody Titre and Plasma Homocysteine level Independently Predict Intima Media Thickness of Carotid Arteries in Subjects with Idiopathic Antiphospholipid Antibodies. *Lupus* 2002; 11(4): 208-14.

6.Cuomo S, Guarini P, Gaeta G, DeMichele M, Boeri F, Dorn J, et al. Increased Carotid Intima-Media Thickness in Children-Adolescents, and Young Adults with Parental History of Premature Myocardial Infarction. *European Heart Journal* 2002; 23: 1345-50.

7.Kelishadi R, Sabet B, Khosravi A. Anticardiolipin Antibody of Adolescents and Age of Myocardial Infarction in Parents. *Med Sci Monit* 2003; 9(12): 515-8.

8.Ikary Y, McManus BM, Kenyon J, Schwartz SM. Neonatal Intima Formation in the Human Coronary Artery. *Atheroscler Thromb Vasc Biol* 1999; 19: 1036-40.

9.Crouse JR, Craven TE, Hagan AP, Bond MG. Association of Coronary Disease with Segment-Specific Intimal-Media Thickening of Extracranial Carotid Artery. *Circulation* 1995; 92: 1191-7.

10.Bots MI, Hofman A, Grobbee DE. Carotid Intima-Media Thickness and Lower Extremity Arterial atherosclerosis. The Rotterdam Study. *Arterioscler Thromb* 1994; 11: 1885-91.

11.Hojnik M, George J, Ziporen L, Shoenfeld Y. Heart Valve Involvement in the Antiphospholipid Syndrome. *Circulation* 1996; 92: 1579-87.

12.Asherson RA, Cervera R. Antiphospholipid Antibodies and the Heart. *Circulation* 1997; 84: 92.

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Evaluation of the Association between Anti Phospholipids Antibody and Carotid IMT in Young People with Myocardial Infarction

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Abstract

Introduction: Autoimmune disease is one of the questionable processes in atherosclerosis. Recognition of new risk factors and anticipated agents are caused to on time distinction and take prevention action.

Objective: Survey the level of anti phospholipids anti body and evaluation of association between autoimmune disorder (anti phospholipids antibody) and atherosclerotic phenomena (carotid IMT) in young people with AMI.

Materials and Methods: In this case-control study 33 patient under 50 years old with AMI were included IgG and IgM anti phospholipids antibody were selected carotid ultrasonography were calculated in all participant. The control group adjusted according to age and sex.

Data was analyzed by SPSS-11, statistical analysis were χ^2 , T-Student and Spearman correlation coefficient.

Results: From all participant 15.2% was female. There was not any difference between case and control groups. But carotid IMT was significantly higher in case groups as comparison with control group. There was not any correlation between antibody and IMT.

BMI, diabetes, cigarette smoking and dyslipidemia were significantly higher in case group.

Conclusion: The higher carotid IMT can recommend atherosclerotic process in young AMI. In contrast to other study, anti phospholipids antibody did not have any difference between two groups. It may be due to more male than female subjection in our study.

Key words: Antibodies, Anti Phospholipid/ Arteriosclerosis/ Myocardial Infarction