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BiOMARKERS - Invitation to Review Manuscript ID TBMK-2015-0445

1 message

editor-biomarkers@charite.de <editor-biomarkers@charite.de> Tue, Jan 26, 2016 at 11:54 PM
To: shg047@eng.ucsd.edu

2016-01-27

Dear Dr Shicheng Guo

The above manuscript, entitled "Metallothionein 2A -5 A/G Core Promoter and Interleukin-6 -174 G/C Promoter Region Polymorphisms and Their Effects on Atherosclerosis" with Miss Kayaaltı as contact author has been submitted for consideration for publication in BiOMARKERS.

Aware of your expertise in the area, I would be very grateful if you would kindly agree to act as a reviewer for this manuscript. The abstract appears at the end of this letter, along with the names of the authors. Ideally, the deadline for submission of the review would be in one month's time.

Please let me know as soon as possible if you will be able to accept this invitation and request to review. To do this please either click the appropriate link below to automatically register your reply with our online manuscript submission and review system, or e-mail me with your reply.

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I realise that our expert reviewers greatly contribute to the high standards of the Journal, and I thank you for your present and/or future participation.

Sincerely,

Professor Martin Mockel
BiOMARKERS Editorial Office
editor-biomarkers@charite.de
http://www.informahealthcare.com/bmk

MANUSCRIPT DETAILS

TITLE: Metallothionein 2A -5 A/G Core Promoter and Interleukin-6 -174 G/C Promoter Region Polymorphisms and Their Effects on Atherosclerosis

AUTHORS: Sahiner, Levent; Kayaaltı, Zeliha; Tokgözoğlu, Lale; Soylemezoğlu, Tulin

ABSTRACT: Objective: The aim of this study was to determine whether single nucleotide polymorphisms of metallothionein 2A(MT2A) -5A/G core promoter and interleukin-6(IL-6) -174G/C promoter region were associated with risk of atherosclerosis.
Materials and Methods: 194 patients and 198 healthy controls were included. Gene polymorphisms were determined by PCR-RFLP and zinc level was analyzed FSAAS.
Results: Frequency of MT2A G(+) genotype was higher among patients than control group($p<0.01$). IL-6 G/G genotype was significantly more frequent among patients when compared to the controls($p<0.001$). Plasma zinc

level is higher in control group compared to patient group($p<0.05$).
Conclusion: IL-6 -174G/C and MT2A -5A/G polymorphisms are associated with increased risk of atherosclerosis. Coexistence of disadvantageous genotypes for both genes MT2A G(+)/IL-6 C(-) was associated with 5.8 times increased risk of CAD, compared to subjects with advantageous genotype (MT2A G(-)/IL-6 C(+). These results indicate that IL-6 and MT2A gene polymorphisms may be candidate genetic markers for atherosclerosis.

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