

07.09.2016.

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(5940/07)

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A1, M1, P1 T1

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135

22 e. 39 a

GST 1 rs3957357, *GST 1* *GSTP1* rs1695, *GSTP1* rs1138272 *GSTT1*

GST

GST

GSTM1

GST

(engl. *case – control* study)

199

199

GST

(„*case only*”).

GST

4

GST

(*PCR-RFLP*)

(*RT-PCR*).

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(),
(*ICAM-1* *VCAM-1*)

ELISA

GST

GSTP1 rs1138272

GSTM1-

GST

GST

GSTM1

GSTP1 (rs1138272)

ICAM-1 VCAM-1.

GST

GSTM1-

*GSTP1*Val/Val*

PP (. *advanced oxidation protein*

products),

VCAM-1.

GST 1-

B)

()

GS I- (R = 1,6; 95% CI: 1,1-2,4; p = 0,024)

*GSTP1** (R = 3,2; 95% CI: 1,9-5,4; p = 0,001).

GST

GST I /* GST I-* (R

= 6,6; 95% CI: 2,1-10,4; p < 0,05).

GS

GST

GS I-

(: R =

1,8; 95% CI: 1,1-2,8; p = 0,009

: R = 2,3; 95% CI: 1,3-

4,3; p = 0,006).

*GST I*Val/*Val*

(R = 2,2; 95%

CI: 1,1-4,8; p = 0,006).

PP, ,

VCAM-1 cut-off

64,3 μ /

(R = 2,4; 95% CI: 1,3 - 4,5; p = 0,005)

(R = 3,3; 95% CI: 1,4-7,9; p = 0,006).

(2,3 mmol/L)

(R

= 1,6; 95% CI: 1,1 - 2,5; p = 0,029)

(R = 1,9; 95% CI:

1,1 - 3,3; p = 0,019).
= 0,001)

(R = 2,4; 95% CI: 1,5 - 3,9; p
(R = 2,5; 95% CI: 1,3 - 4,5; p = 0,007)

VCAM-1

(R = 1,9; 95% CI: 1,2 - 3,1; p = 0,007).

GSTM1-

GSTM1

GSTM1

C)

, a

*GSTP1**C/*T (rs1138272)

GSTM1-

GSTAI

1.6,

GSTP1

e (iwari 2009, Agrawal 2007),

*GSTP1**Val/*Val

GST

. (Datta 2010 ; Agrawal 2007).

GST

GSTAI, GSTMI, GSTPI GSTTI

(2009) *GST I, GSTMI, GSTTI GSTPI.*
GST I-

GSTMI
GST
, a *GST I-*
GST
, *GST I, GS I, GS I GS I,*

GS I- / GST I-
(Kumar 2011,
ang 2010).

40%
GS
GS I
GS I-
GS I-
GS I GS I
e.
2

(2012)

GS

, (2009),
 GS 1
 GS 1
 GS 1-
 GS 1*Val/*Val
 GS
 GS 1 GS 1,
 (Dursun 2008),
 (Boaz et al.
 1999.).
 (PP)
 PP
 (D scamps-Latscha et al, 2005).
 (148.6)
 (Parizadeh et al., 2011).
 VCAM-1
 (Papagianni et al., 2008) VCAM-1
 (Mu et al 2015).

D)

1. **Suvakov S**, Damjanovic T, Pekmezovic T, Jakovljevic J, Savic-Radojevic A, Pljesa-Ercegovac M, Radovanovic S, Simic DV, Pljesa S, Zarkovic M, Mimic-Oka J, Dimkovic N, Simic T. Associations of GSTM1*0 and GSTA1*A genotypes with the risk of cardiovascular death among hemodialyses patients. **BMC Nephrol.** 2014;15:12. (M22, IF = 1.690)
2. **Suvakov S**, Damjanovic T, Stefanovic A, Pekmezovic T, Savic-Radojevic A, Pljesa-Ercegovac M, Matic M, Djukic T, Coric V, Jakovljevic J, Ivanisevic J, Pljesa S, Jelic-Ivanovic Z, Mimic-Oka J, Dimkovic N, Simic T. Glutathione S-transferase A1, M1, P1 and T1 null or low-activity genotypes are associated with enhanced oxidative damage among haemodialysis patients. **Nephrol Dial Transplant.** 2013;28(1):202-12. (M21, IF = 3.488)

E) ()

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A1, M1, P1 T1

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GST

GST 1

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