

Association of aminothiols with the clinical outcome in hemodialysis patients: comparison of chromatography and immunoassay for homocysteine determination

Stéphanie Badiou, Isabelle Jaussent, Nathalie Terrier, Estelle Naudin, Hélène Leray-Moragues, François Maurice, Anne-Marie Dupuy, Jean-Pierre Rivory, Bernard Canaud, Jean-Paul Cristol, et al.

► **To cite this version:**

Stéphanie Badiou, Isabelle Jaussent, Nathalie Terrier, Estelle Naudin, Hélène Leray-Moragues, et al.. Association of aminothiols with the clinical outcome in hemodialysis patients: comparison of chromatography and immunoassay for homocysteine determination: aminothiols as predictive factors of hemodialysis outcome. Clin Chem Lab Med, 2006, 44 (8), pp.949-54. 10.1515/CCLM.2006.184 . inserm-00077659

HAL Id: inserm-00077659

<https://www.hal.inserm.fr/inserm-00077659>

Submitted on 28 Oct 2008

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Table 2 Relation of homocysteine tertile determined by HPLC with biological parameters (mean \pm sem).

	Hcy, $\mu\text{mol/L}$ (p trend)		
	<22.1	[22.1-30.3[≥ 30.3
Cysteine, $\mu\text{mol/L}$	373.11 \pm 9.01	409.23 \pm 13.95 (NS)	464.59 \pm 15.33 (<0.0001)
Cysteinylglycine *, $\mu\text{mol/L}$	32.49 \pm 1.30	30.92 \pm 1.55 (NS)	31.22 \pm 1.25 (NS)
Hs-CRP*, mg/L	8.20 \pm 1.40	7.05 \pm 1.13 (NS)	6.31 \pm 1.02 (NS)
Il6*, pg/mL	13.02 \pm 2.36	10.38 \pm 1.46 (NS)	10.78 \pm 2.07 (NS)
Pre creatinine, $\mu\text{mol/L}$	729 \pm 29	796 \pm 31 (NS)	821 \pm 32 (NS)

Levels of significance are corrected using the method of Bonferroni to control for multiple tests.

*geometric means.