

## AGE Reader Publication List

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**Non-invasive measures of tissue autofluorescence are increased in Type 1 diabetes complications and correlate with a non-invasive measure of vascular dysfunction.**

Januszewski A.S. et al. Diabet Med. 2011 Dec 28. doi: 10.1111/j.1464-5491.2011.03562.x.

**Advanced oxidation protein products and advanced glycation end products in children and adolescents with chronic renal insufficiency.**

Sebeková K. J Ren Nutr. 2012 Jan;22(1):143-8.

**Advanced Glycation Endproducts are increased in RA patients with controlled disease.**

de Groot L. et al. Arthritis Res Ther. 2011 Dec 14;13(6):R205.

**Evaluation of advanced glycation end products accumulation, using skin autofluorescence, in CKD and dialysis patients.**

Oleniuc M. et al. Int Urol Nephrol. 2011 Dec 10. Epub

**Increased skin autofluorescence after colorectal operation reflects surgical stress and postoperative outcome.**

Pol H.W. et al. Am J Surg. 2011 Nov;202(5):583-9.

**Skin autofluorescence, as marker of accumulation of advanced glycation endproducts and of cumulative metabolic stress, is not increased in patients with systemic sclerosis.**

Hettema M.E. et al. Int J Rheumatol. 2011. Epub

**Skin autofluorescence and the association with renal and cardiovascular risk factors in chronic kidney disease stage 3.**

McIntyre N.J. et al. Clin J Am Soc Nephrol. 2011 Oct;6(10):2356-63.

**Skin autofluorescence is associated with severity of vascular complications in Japanese patients with Type 2 diabetes.**

Tanaka K. et al. Diabet Med. 2011 Sep 14. Epub

**Skin autofluorescence is inversely related to HDL anti-oxidative capacity in type 2 diabetes mellitus.**

Mulder D. et al. Atherosclerosis. 2011 May, Epub

**Skin advanced glycation end-product accumulation is negatively associated with calcaneal osteo-sono assessment index among non-diabetic adult Japanese men.**

Momma H. Osteoporos Int. 2011 Sep 8. Epub

**Advanced Glycation End Products, Measured as Skin Autofluorescence, at Diagnosis in Gestational Diabetes Mellitus Compared with Normal Pregnancy.**

de Ranitz-Greven WL et al. Diabetes Technol Ther. 2011 Aug 29. Epub

**Increased accumulation of skin advanced glycation end products is associated with microvascular complications in type 1 diabetes.**

Araszkiewicz A. et al. Diabetes Technol Ther. 2011 Aug;13(8):837-42.

**Assessment of skin autofluorescence as a marker of advanced glycation end product accumulation in type 1 diabetes.**

Samborski P. et al. Pol Arch Med Wewn. 2011 Mar;121(3):67-72.

**Effects of alagebrium, an advanced glycation endproduct breaker, on exercise tolerance and cardiac function in patients with chronic heart failure.**

Hartog J.W. et al. BENEFICIAL investigators. Eur J Heart Fail. 2011 Aug;13(8):899-908.

**Reference values for the Chinese population of skin autofluorescence as a marker of advanced glycation end products accumulated in tissue.**

Yue X. et al. Diabet Med. 2011 Jul;28(7):818-23.

**Advanced glycation end products, measured as skin autofluorescence and diabetes complications: a systematic review.**

Bos D.C. et al. Diabetes Technol Ther. 2011 Jul;13(7):773-9.

**Skin autofluorescence is high in patients with cirrhosis - further arguing for the implication of Advanced Glycation End products.**

Maury E. et al. J Hepatol. 2011 May;54(5):1079-80.

**Tissue level of advanced glycation end products is an independent determinant of high-sensitivity C-reactive protein levels in haemodialysis patients.**

Nagano M. et al. *Nephrology (Carlton)*. 2011 Mar;16(3):299-303

**Skin autofluorescence is increased in patients with carotid artery stenosis and peripheral artery disease.**

Noordzij MJ. *Int J Cardiovasc Imaging*. 2011 Feb. Epub

**Dermal factors influencing measurement of skin autofluorescence.**

Noordzij M.J. et al. *Diabetes Technol Ther*. 2011 Feb;13(2):165-70

**Skin advanced glycation end product accumulation and muscle strength among adult men.**

Momma H. et al; *Eur J Appl Physiol*. 2010 (Epub)

**Tissue advanced glycation end products are associated with diastolic function and aerobic exercise capacity in diabetic heart failure patients.**

Willemsen S. et al. *Eur J. Heart Fail* 2010. doi:10.1093/eurjhf/hfq168

**Skin autofluorescence as a measure of advanced glycation endproduct deposition: a novel risk marker in chronic kidney disease.**

Smit AJ. et al. *Curr Opin Nephrol Hypertens*, 2010; 19(6):527-33.

**Skin Autofluorescence as Marker of Tissue Advanced Glycation End-Products Accumulation in Formerly Preeclamptic Women.**

Coffeng S.M. et al. *Hypertens Pregnancy*; 2010, Epub

**Accumulation of advanced glycation end (AGEs) products in intensive care patients: an observational, prospective study.**

Greven W. et al. *BMC Clinical Pathology*; 2010: 10 (4)

**Skin autofluorescence and glycemic variability.**

Noordzij M. et al. *Diabetes Technol Ther*. 2010; 12(7): 581-585

**Carotid artery intima media thickness associates with skin autofluorescence in non-diabetic subjects without clinically manifest cardiovascular disease.**

Lutgers H. et al. *Eur J Clin Invest*. 2010 ;40(9):812-7

**Skin color independent assessment of aging using skin autofluorescence**

Koetsier M. et al. *Optics Express*, 2010 ;18(14):14416-29

**Skin autofluorescence is associated with renal function and cardiovascular diseases in pre-dialysis chronic kidney disease patients.**

Tanaka K. et al. *Nephrol Dial Transplant*. doi: 10.1093/ndt/gfq369

**Advanced glycation end products, carotid atherosclerosis, and circulating endothelial progenitor cells in patients with end-stage renal disease.**

Ueno H et al. *Metabolism*, 2010, doi: 10.1016/j.metabol.2010.04.001

**Reference Values of Skin Autofluorescence.**

Koetsier M. et al. *Diabetes Technology & Therapeutics* 2010; 12(5):399-403

**Advanced glycation end-products, anti-hypertensive treatment and diastolic function in patients with hypertension and diastolic dysfunction.**

Hartog J. et al; *Eur. Journal of Heart Failure*, 2010 Apr;12(4):397-403

**Advanced glycation end products assessed by skin autofluorescence in type 1 diabetics are associated with nephropathy, but not retinopathy.**

Chabroux S. et al; *Diabetes Metab*, 2010 Apr;36(2):152-7.

**Tissue-Advanced Glycation End Product Concentration in Dialysis Patients**

McIntyre et al; *CJASN*, 2010; 5(1): 51-55

**Does hepatitis C increase the accumulation of advanced glycation end products in haemodialysis patients?**

Arsov S. et al. *Nephrol Dial Transplant* 2009; 25(3): 885-891

**Advanced glycation end products in patients with cerebral infarction.**

Ohnuki Y. *Intern Med*. 2009;48(8):587-91.

**Increased accumulation of advanced glycation endproducts in patients with Wegener's granulomatosis.**

Leeuw de K et al. Ann Rheum Dis. 2009; 69(3): 625-U191

**Advanced Glycation End Products and their receptor RAGE in systemic autoimmune diseases - an inflammation propagating factor contributing to accelerated atherosclerosis.**

Nienhuis et al. Autoimmunity, 2009; 42(4): 302-304

**Skin autofluorescence is elevated in acute myocardial infarction and is associated with the one-year incidence of major adverse cardiac events**

Mulder D. et al, Netherlands Heart Journal, Volume 17, Number 4, April 2009

**Skin-Autofluorescence Is an Independent Predictor of Graft Loss in Renal Transplant Recipients**

Hartog J. et al, Transplantation • Volume 87, Number 7, April 15, 2009

**Skin autofluorescence provides additional information to the UK Prospective Diabetes Study (UKPDS) risk score for the estimation of cardiovascular prognosis in type 2 diabetes mellitus**

Lutgers H. et al: Diabetologia, 2009; 52(5): 789-797

**Noninvasive skin autofluorescence, an independent predictor of complications in diabetes, its relation to glycemic variability**

Smit et al, ATTD, Athens, 26-28 February 2009

**Relation between food and drinking habits, and skin autofluorescence and intima media thickness in subjects at high cardiovascular risk**

Jochemsen M. et al: Journal of Food and Nutrition Research Vol. 48, 2009, No. 1, pp. 51–58

**Skin autofluorescence for the risk assessment of chronic complications in diabetes: a broad excitation range is sufficient**

Koetsier M. et al: Optics Express. 2009; 17(2): 509-519

**Skin autofluorescence, a marker for advanced glycation end product accumulation, is associated with arterial stiffness in patients with end-stage renal disease**

Ueno H. et al: Metabolism Clinical and Experimental 57 (2008) 1452–1457

**Skin autofluorescence is increased in systemic lupus erythematosus but not reflected by plasma levels advanced glycation endproducts**

Nienhuis H. et al: Rheumatology. 2008; 47(10): 1554-1558

**Advanced Glycation End Products in Renal Failure: An Overview**

Noordzij M. et al, Journal of Renal Care 2008

**AGEs, autofluorescence and renal failure**

Gerrits E. et al. Nephrology Dialysis and Transplantation November 25, 2008

**Skin Autofluorescence, a measure of tissue advanced glycation endproducts (AGEs), is related to the diastolic function of dialysis patients**

Hartog J. et al. Journal of Cardiac Failure. 2008; 14(7): 596-602

**Skin Autofluorescence: A tool to identify type 2 diabetic patients at risk for developing microvascular disease.**

Gerrits E. et al. Diabetes Care. 2008; 31: 517-521

**Advanced Glycation Endproducts (AGE) in chronic heart failure**

Smit A. et al. Annals of New York Academy of Science 2008; 1126:225-30

**Clinical relevance of Advanced Glycation Endproducts for vascular surgery**

Meerwaldt R. et al. Eur J Vasc Endovasc Surg. 2008; 38,125-131

**Skin autofluorescence is increased in systemic lupus erythematosus but not reflected by plasma levels of advanced glycation endproducts**

Nienhuis H. et al. Rheumatology; 2008; 47(10): 1554-1558

**Clinical and prognostic value of Advanced Glycation End-products (AGEs) in chronic heart failure.**

Hartog J. et al Eur J Heart Failure 2007;9:1146-55

**Skin autofluorescence increases postprandially in human subjects**

Stirban A. et al. Diabetes Technology & Therapeutics 2008; 10:200-5

**Skin autofluorescence is a strong predictor of cardiac mortality in diabetes**

Meerwaldt R, et al. Diabetes Care 2007, 30: 107-112

**Skin autofluorescence in type 2 diabetes: Beyond blood glucose**

Monami M. et al. Diabetes Research & Clinical Practice July 2007. epub

**Advanced glycation end products and the absence of premature atherosclerosis in glycogen storage disease Ia**

den Hollander NC. et al. J Inherit Metab Dis. 2007. epub ahead of print

**Accumulation of advanced glycation endproducts in patients with systemic lupus erythematosus.**

de Leeuw K. et al. Rheumatol 2007;45:1551-1556.

**Skin autofluorescence is elevated in patients with stable coronary artery disease and is associated with serum levels of neopterin and the soluble receptor for advanced glycation end products.**

Mulder DJ. et al. Atherosclerosis. 2007;197:217-223

**The Effect of Aggressive Versus Conventional Lipid-lowering Therapy on Markers of Inflammatory and Oxidative Stress.**

Mulder DJ. et al. Cardiovasc Drugs Ther. 2007 Apr;21(2):91-7.

**Non-invasive AGE-measurements by skin autofluorescence in patients with Type 2 Diabetes Mellitus. Tool for risk-assessment of diabetes complications?**

Lutgers H, et al. Diabetes Care. 2006 Dec;29(12):2654-9

**Skin autofluorescence, a marker of advanced glycation end products and oxidative stress, is increased in recently prelamptic women**

Blaauw J. et al. Am J Obstet Gynecol. 2006 Sep;195(3):717-22.

**Risk factors for chronic transplant dysfunction and cardiovascular disease are related to accumulation of advanced glycation end-products in renal transplant recipients**

Hartog JW, et al. Nephrol Dial Transpl 2006 Aug;21(8):2263-9

**Skin Autofluorescence, a Novel Marker for Glycation and Oxidative Stress derived Advanced Glycation Endproducts. An Overview of Current Clinical Studies, Evidence and Limitations**

Mulder DJ, et al. Diabetes Technology and Therapeutics 2006; 8:523-535.

**Skin autofluorescence, a measure of cumulative metabolic stress and advanced glycation endproducts, predicts mortality in hemodialysis patients**

Meerwaldt R, et al. J Am Soc Nephrol 2005;16:3687-93.

**Skin autofluorescence, a noninvasive measure of advanced glycation end product accumulation, is a predictor of mortality in hemodialysis patients**

Meerwaldt R, et al. Ann N Y Acad Sci 2005;1043:911.

**Simple noninvasive measurement of skin autofluorescence**

Meerwaldt R, et al. Ann N Y Acad Sci. 2005;1043:290-298.

**Accumulation of advanced glycation end products, measured as skin autofluorescence, in renal disease.**

Hartog JW. et al. Ann N Y Acad Sci. 2005 Jun;1043:299-307.

**Instrumentation for the measurement of Autofluorescence in the human skin**

Graaff R et al. Proc. of SPIE Vol. 5692 (SPIE, Bellingham, WA, 2005). pp. 111-118.

**Increased accumulation of skin advanced glycation end-products precedes and correlates with clinical manifestation of diabetic neuropathy**

Meerwaldt R, et al. Diabetologia. 2005;48:1637-44.

**Skin Autofluorescence is an independent marker for Acute Myocardial Infarction**

Mulder DJ, et al. Circulation: 2005; 112:II-371.

**Advanced glycation endproducts in kidney transplant patients: a putative role in the development of chronic renal transplant dysfunction**

Hartog J. et al. Am J Kidn Dis 2004; 43:966-975

**Simple non-invasive assessment of advanced glycation endproducts accumulation**

Meerwaldt R et al. Diabetologia 2004; 47:1324-1330

**Enhanced skin autofluorescence as a marker for oxidative stress in sepsis, a pilot study.**

Mulder DJ, et al. Eur Soc Intensive Care Medicine 2004

**The clinical relevance of advanced glycation endproducts (AGE) and recent developments in pharmaceuticals to reduce AGE accumulation.**

Smit AJ, Lutgers HL. Curr Med Chem. 2004 Oct;11(20):2767-84.

**Skin age levels as a marker of renal complications in type 2 diabetes mellitus.**

Lutgers HL, et al. Journal of the American Society of Nephrology 2003; 14:397A.

**AGE accumulation is poorly reflected by long term metabolic control in Type 2 diabetic patients.**

Lutgers HL, et al. IDF 2003/Diabetologia 2003; 46:A404.

**Thesis: Improving the measurement of skin autofluorescence.**

Koetsier M. 2011

**Thesis: Skin autofluorescence and advanced glycation endproducts.**

Meerwaldt R.

**Thesis: The autofluorescence reader and its clinical evaluation.**

Ponsen en Looijen, Wageningen, the Netherlands. ISBN 9036723388. 209 pp.

**Thesis: Skin Autofluorescence in Cardiovascular Disease. A Non-Invasive Approach for Assessing Inflammatory and Oxidative Stress.**

Mulder DJ. 2007.

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