

## AGE Reader Publication list

### AGE Reader Key Publications

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- **Skin autofluorescence predicts incident type 2 diabetes, cardiovascular disease and mortality in the general population.** van Waateringe R et al. *Diabetologia*. 2019 Feb;62(2):269-280 Epub
- **Skin Autofluorescence-Indicated Advanced Glycation End Products as Predictors of Cardiovascular and All-Cause Mortality in High-Risk Subjects: A Systematic Review and Meta-analysis.** Cavero-Redondo I. et al. *J Am Heart Assoc*. 2018 Sep 18;7(18)
- **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
- **Skin autofluorescence and risk of micro- and macrovascular complications in patients with Type 2 diabetes mellitus-a multi-centre study.** Noordzij M.J. et al. *Diabet Med*. 2012 Dec;29(12):1556-61.
- **Skin Autofluorescence and the Association with Renal and Cardiovascular Risk Factors in Chronic Kidney Disease Stage 3.** McIntyre N. et al. *Clin J Am Soc Nephrol*. 2011 Sep 1. Epub
- **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
- **Messung der Autofluoreszenz der Haut.** Stirban A. and Heinemann L. *Diabetes Stoffw Herz*. 2013; 22
- **Skin Autofluorescence Is Associated With 5-Year Mortality and Cardiovascular Events in Patients With Peripheral Artery Disease.** de Vos LC. et al. *Arterioscler Thromb Vasc Biol*. 2014 Feb 13.
- **Simple non-invasive assessment of advanced glycation endproducts accumulation.** Meerwaldt R et al, *Diabetologia*, 2004; 47:1324-1330

### AGE Reader in diabetes

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1. **AGE and diabetic vascular complications in type 2 diabetes**  
Osawa S. *J of Diabetes and its Complications* 2018 Sept: 839-844
2. **Gradual increase in advanced glycation end-products from no diabetes to early and regular gestational diabetes: A case-control study.**  
Cosson E. *Diabetes and Metabolism* 2018 Febr 2 Epub
3. **Skin Autofluorescence is a Noninvasive Surrogate Marker for Diabetic Microvascular Complications and Carotid Intima-Media Thickness in Japanese Patients with Type 2 Diabetes: A Cross-sectional Study.** Yoshioka K. *Diabetes Ther*. 2017 Nov 24. doi: 10.1007/s13300-017-0339-3.
4. **Fokkens B.T. et al. Skin autofluorescence improves the Finnish Diabetes Risk Score in the detection of diabetes in a large population-based cohort: The Lifelines Cohort Study.**  
Fokkens B. et al. *Diabetes Metab*. 2017 Oct 30. pii: S1262-3636(17)30513-X. doi: 10.1016/j.diabet.2017.09.002.

5. **Ethnicity and skin autofluorescence-based risk-engines for cardiovascular disease and diabetes mellitus.** Ahmad M.S. et al. PLoS One. 2017 Sep 20;12(9):e0185175.
6. **Progression of skin autofluorescence of AGEs over 4 years in patients with type 1 diabetes.** Rajaobelina K et al. Diabetes Metab Res Rev. 2017 Jul 18. doi: 10.1002/dmrr.2917.
7. **The relationship between circulating irisin levels and tissues AGE accumulation in type 2 diabetes patients.** Li Z. et al. Biosci Rep. 2017 Apr 13. doi: 10.1042/BSR20170213.
8. **Vitreous advanced glycation endproducts and  $\alpha$ -dicarbonyls in retinal detachment patients with type 2 diabetes mellitus and non-diabetic controls.** Fokkens B.T. et al. PLoS One. 2017 Mar 6;12(3):e0173379. doi: 10.1371/journal.pone.0173379.
9. **Skin autofluorescence, renal insufficiency and retinopathy in patients with type 2 diabetes.** Bentata R. et al. J Diabetes Complications. 2016 Oct 30. [Epub ahead of print]
10. **Association between small fiber neuropathy and higher skin accumulation of advanced glycation end products in patients with type 1 diabetes.** Araszkievicz A, et al. Pol Arch Med Wewn. 2016 Nov 22;126(11):847-853.
11. **Risk factors for autonomic and somatic nerve dysfunction in different stages of glucose tolerance.** Dimova R, et al. J Diabetes Complications. 2016 Nov 6. [Epub ahead of print]
12. **Skin autofluorescence (a marker for advanced glycation end products) and erectile dysfunction in diabetes.** Kouidrat Y. et al. J Diabetes Complications. 2016 Oct 29. pii: S1056-8727(16)30351-8. [Epub ahead of print]
13. **Skin autofluorescence is increased in young people with type 1 diabetes exposed to secondhand smoking.** Vollenbrock CE. et al. J Diabetes. 2016 Oct 27. (Epub).
14. **Higher skin autofluorescence in young people with Type 1 diabetes and microvascular complications.** Cho YH. et al. Diabet Med. 2016 Oct 22. (Epub)
15. **Advanced glycation end products is a risk for muscle weakness in Japanese patients with type 1 diabetes.** Mori H. et al. J Diabetes Investig. 2016 Oct 11. (Epub) (FULL TEXT available)
16. **Skin Autofluorescence is Associated with Early-stage Atherosclerosis in Patients with Type 1 Diabetes.** Osawa S et al. J Atheroscler Thromb. 2016 Sep 2.
17. **Skin autofluorescence predicts cardio-renal outcome in type 1 diabetes: a longitudinal study.** Vélayoudom-Céphise FL et al. Cardiovasc Diabetol. 2016 Sep 1;15(1):127.
18. **Skin Autofluorescence and Pentosidine Are Associated With Aortic Stiffening: The Maastricht Study.** van Eupen MG et al. Hypertension. 2016 Oct;68(4):956-63.
19. **Skin fluorescence as a clinical tool for non-invasive assessment of advanced glycation and long-term complications of diabetes.** Fokkens BT, Smit AJ. Glycoconj J. 2016 Aug;33(4):527-35.
20. **ADVANCED GLYCATION END PRODUCT (AGE) ACCUMULATION IN THE SKIN IS ASSOCIATED WITH DEPRESSION: THE MAASTRICHT STUDY.** van Dooren FE et al. Depress Anxiety. 2016 Jun 6. (Epub)
21. **Skin autofluorescence and peripheral neuropathy four years later in type 1 diabetes.** Rajaobelina K. et al. Diabetes Metab Res Rev. 2016 May 27. Epub
22. **The relationship between advanced glycation endproducts and ocular circulation in type 2 diabetes.** Hashimoto K. et al. J Diabetes Complications 2016 May 4. Epub.
23. **Advanced Glycation Endproducts and Bone Material Strength in Type 2 Diabetes.** Furst J.R. et al. J Clin Endocrinol Metab. 2016 Apr 26. Epub.

24. **Association of Advanced Glycation End Products with coronary Artery Calcification in Japanese Subjects with Type 2 Diabetes as Assessed by Skin Autofluorescence.**  
Hangai M. et al. *J Atheroscler Thromb.* 2016 Mar 10.
25. **Non-invasive Measurement of Skin Autofluorescence as a Beneficial Surrogate Marker for Atherosclerosis in Patients with Type 2 Diabetes.**  
Temma J. et al. *J Med Invest.* 2015;62(3-4):126-9.
26. **Advanced glycation end products, measured in skin, vs. HbA1c in children with type 1 diabetes mellitus.** Banser A. et al. *Pediatr Diabetes.* 2015 Sep 2.
27. **Relationship between skin auto fluorescence and conventional glycemic markers in patients with diabetes.**  
Mácsai E. et al. *Orv Hetil.* 2015 Aug 16;156(33):1341-7.
28. **In diabetic Charcot neuroarthropathy impaired microvascular function is related to long lasting metabolic control and low grade inflammatory process.**  
Araszkiewicz A. et al. *Microvasc Res.* 2015 Aug 1;101:143-147.
29. **Vitamin D status is associated with skin autofluorescence in patients with type 2 diabetes mellitus: a preliminary report.**  
Krul-Poel Y.H. et al. *Cardiovasc Diabetol.* 2015 Jul 16;14:89.
30. **Is skin autofluorescence a marker of metabolic memory in pregnant women with diabetes?**  
Maury E. et al. *Diabet Med.* 2015 May 16.
31. **The Association Between Skin Autofluorescence and Vascular Complications in Chinese Patients With Diabetic Foot Ulcer: An Observational Study Done in Shanghai.**  
Liu C. et al. *Int J Low Extrem Wounds.* 2015. (Epub)
32. **Autofluorescence of Skin Advanced Glycation End Products: Marker of Metabolic Memory in Elderly Population.**  
Rajaobelina K. et al. *J Gerontol A Biol Sci Med Sci.* 2015 Jan 14 (Epub)
33. **Skin autofluorescence is associated with carotid intima-media thickness, diabetic microangiopathy, and long-lasting metabolic control in type 1 diabetic patients. Results from Poznan Prospective Study.** Araszkiewicz A. et al. *Microvasc Res.* 2015 Jan 10 (Epub)
34. **Skin collagen advanced glycation endproducts (AGEs) and the long-term progression of sub-clinical cardiovascular disease in type 1 diabetes,** Monnier et al. *Cardiovasc Diabetol* 2015;14118
35. **Association of advanced glycation end products and chronic kidney disease with macroangiopathy in type 2 diabetes.**  
Rigalleau V. et al. *J Diabetes Complications.* 2014 Oct 30. Epub
36. **Advanced glycation end products (AGEs) and the soluble receptor for AGE (sRAGE) in patients with type 1 diabetes and coeliac disease.**  
Bakker S.F. et al. *Nutr Metab Cardiovasc Dis.* 2014 Nov 1. Epub
37. **Associations of advanced glycation endproducts with cognitive functions in individuals with and without type 2 diabetes.**  
Spauwen P.J. et al. *J Clin Endocrinol Metab.* 2014 Dec 2
38. **Relationship of Skin Autofluorescence to Severity of Retinopathy in Type 2 Diabetes.**  
Yasuda M. et al. *Curr Eye Res.* 2014 May 28:1-8.
39. **Type 2 diabetes mellitus, skin autofluorescence and brain atrophy.**  
Moran C. et al. *Diabetes.* 2014 Jul 22.
40. **AGEs and chronic subclinical inflammation in diabetes: disorders of immune system.**  
Hu H. et al. *Diabetes Metab Res Rev.* 2014 May 20. Epub

41. **Correlation between diabetic makuls severity and elevated skin autofluorescence as a marker of advanced glycation end-product accumulation in type 2 diabetic patients.**  
Hirano T. et al. J Diabetes Complications. 2014 Mar 10. Epub
42. **Advanced glycation end products are associated with arterial stiffness in type 1 diabetes.**  
Llauradó G. et al. J Endocrinol. 2014 Jun;221(3):405-13.
43. **Messung der Autofluoreszenz der Haut.**  
Stirban A. and Heinemann L. Diabetes Stoffw Herz. 2013; 22 (full text available)
44. **Skin autofluorescence relates to soluble receptor for advanced glycation end-products and albuminuria in diabetes mellitus.**  
Skrha J Jr. et al. J Diabetes Res. Epub 2013 Mar 10.
45. **Skin autofluorescence based decision tree in detection of impaired glucose tolerance and diabetes.**  
Smit AJ. et al. PLoS One. 2013 Jun 4;8(6):e65592.
46. **Potential inhibitory effects of L-carnitine supplementation on tissue advanced glycation end products in patients with hemodialysis.**  
Fukami K. Rejuvenation Res. 2013 Aug 4. [Epub ahead of print]
47. **Skin autofluorescence relates to soluble receptor for advanced glycation end-products and albuminuria in diabetes mellitus.**  
Skrha J Jr. et al. J Diabetes Res. 2013;2013:650694.
48. **Skin autofluorescence is associated with past glycaemic control and complications in type 1 diabetes mellitus.**  
Genevieve M. et al. Diabetes Metab. 2013 May 2. [Epub ahead of print]
49. **Advanced Glycation End Products Assessed by Skin Autofluorescence-A New Marker of Diabetic Foot Ulceration.**  
Vouillarmet J. et al. Diabetes Technol Ther. 2013 Apr 30. [Epub ahead of print]
50. **Study design of DIACORE (DIAbetes COHoRtE) - a cohort study of patients with diabetes mellitus type 2.**  
Dörhöfer L, BMC Med Genet. 2013 Feb 14;14:25.
51. **Verification of Skin Autofluorescence Values by Mass Spectrometry in Adolescents with Type 1 Diabetes: Brief Report.**  
Mácsai E. et al. Diabetes Technol Ther. 2013 Jan 23.
52. **Advanced glycation end products in infant formulas do not contribute to insulin resistance associated with their consumption.**  
Klenovics KS. et al. PLoS One. 2013;8(1):e53056.
53. **Advanced Glycation End Products, Measured as Skin Autofluorescence, During Normal Pregnancy and Pregnancy Complicated by Diabetes Mellitus.**  
de Ranitz-Greven WL. et al. Diabetes Technol Ther. 2012 Oct 31. (Epub)
54. **Skin autofluorescence measurement in diabetological and nephrological clinical practice.**  
Mácsai E. et al. Orv Hetil. 2012 Oct 21;153(42):1651-7.
55. **Skin autofluorescence and risk of micro- and macrovascular complications in patients with Type 2 diabetes mellitus-a multi-centre study.**  
Noordzij M.J. et al. Diabet Med. 2012 Aug 31. doi: 10.1111/dme.12005.
56. **Advanced glycation end products measured by skin autofluorescence in a population with central obesity.**  
den Engelsen C. et al. Dermatoendocrinol. 2012 Jan 1;4(1):33-8.
57. **Elevated skin autofluorescence is strongly associated with foot ulcers in patients with diabetes: a cross-sectional, observational study of Chinese subjects.**  
Hu H. et al. J Zhejiang Univ Sci B. 2012 May;13(5):372-7.

58. **Advanced Glycation Endproducts and Diabetic Cardiovascular Disease.**  
Prasad A. et al. *Cardiol Rev.* 2012 Feb 6. Epub
59. **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.
60. **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
61. **Skin autofluorescence is inversely related to HDL anti-oxidative capacity in type 2 diabetes mellitus.**  
Mulder D. et al. *Atherosclerosis.* 2011 May, Epub
62. **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
63. **Increased accumulation of skin advanced glycation end products is associated with microvascular complications in type 1 diabetes.**  
Araszkievicz A. et al. *Diabetes Technol Ther.* 2011 Aug;13(8):837-42.
64. **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.
65. **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.
66. **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
67. **Skin autofluorescence and glycemic variability.**  
Noordzij M. et al. *Diabetes Technol Ther.* 2010; 12(7): 581-585
68. **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.
69. **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
70. **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
71. **Skin autofluorescence is a strong predictor of cardiac mortality in diabetes**  
Meerwaldt R, et al. *Diabetes Care* 2007, 30: 107-112
72. **Skin autofluorescence in type 2 diabetes: Beyond blood glucose**  
Monami M. et al. *Diabetes Research & Clinical Practice* July 2007. epub
73. **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
74. **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.

**75. 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.

## AGE Reader in cardiovascular disease

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**76. Skin accumulation of advanced glycation end products is increased in patients with an abdominal aortic aneurysm.**

Boersema J. et al. *J Vasc Surg.* 2017 Jun 24. pii: S0741-5214(17)31144-8.

**77. Impact of Hemorheology Assessed by the Microchannel Method on Pulsatility Index of the Common Carotid Artery in Patients With Type 2 Diabetes Mellitus.**

Hitsumoto T. et al. *J Clin Med Res.* 2017 Jul;9(7):579-585.

**78. Diverging effects of diabetes mellitus in patients with peripheral artery disease and abdominal aortic aneurysm and the role of advanced glycation end-products: ARTERY study - protocol for a multicentre cross-sectional study.**

de Vos L.C. et al. *BMJ Open.* 2017 Apr 11;7(4):e012584. doi: 10.1136/bmjopen-2016-012584.

**79. A Comparative Study on Skin and Plasma Advanced Glycation End Products and Their Associations with Arterial Stiffness.**

Liu C.Y. et al. *Pulse (Basel).* 2017 Jan;4(4):208-218.

**80. Association of Skin Autofluorescence Levels With Kidney Function Decline in Patients With Peripheral Artery Disease.**

Schutte E et al. *Arterioscler Thromb Vasc Biol.* 2016 Aug;36(8):1709-14.

**81. The Relationship Between Level of End-Products of Tissue Glycation and Pulse Wave Velocity in Non-diabetic Patients With Cardiovascular Disease.**

Ageev F.T. et al. *Kardiologija.* 2015;55(6):63-7.

**82. Skin autofluorescence as a measure of advanced glycation end products deposition predicts 5-year amputation in patients with peripheral artery disease.**

de Vos LC. et al. *Arterioscler Thromb Vasc Biol.* 2015 Jun;35(6):1532-7.

**83. Evaluation of tissue accumulation levels of advanced glycation end products by skin autofluorescence: A novel marker of vascular complications in high-risk patients for cardiovascular disease.**

Yamagishi S.I. et al. *Int J Cardiol.* 2015 Mar (Epub)

**84. Skin autofluorescence, 5-year mortality, and cardiovascular events in peripheral arterial disease: all that glitters is surely not gold.**

Schmidt AM. *Arterioscler Thromb Vasc Biol.* 2014 Apr;34(4):697-9.

**85. Skin Autofluorescence Is Associated With 5-Year Mortality and Cardiovascular Events in Patients With Peripheral Artery Disease.**

de Vos LC. et al. *Arterioscler Thromb Vasc Biol.* 2014 Feb 13.

**86. Skin Autofluorescence, a Non-Invasive Marker for AGE Accumulation, Is Associated with the Degree of Atherosclerosis.**

den Dekker MA. et al. *PLoS One.* 2013 Dec 23;8(12):e83084.

87. **Skin autofluorescence as proxy of tissue AGE accumulation is dissociated from SCORE cardiovascular risk score, and remains so after 3 years.**  
Tiessen AH. et al. Clin Chem Lab Med. 2013 Apr 2:1-7.
88. **Skin Autofluorescence as a Measure of Advanced Glycation End Product Deposition Is Elevated in Peripheral Artery Disease.**  
de Vos L.C. et al. Arterioscler Thromb Vasc Biol. 2012 Nov 8. (Epub)
89. **Relationship between tissue glycation measured by autofluorescence and pulse wave velocity in young and elderly non-diabetic populations.**  
Watfa G. et al. Diabetes Metab. 2012 Jun 13.
90. **Advanced glycation end product associated skin autofluorescence: A mirror of vascular function?**  
Hofmann B. et al. Exp Gerontol. 2012 May 12.
91. **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.
92. **Skin autofluorescence is increased in patients with carotid artery stenosis and peripheral artery disease.**  
Noordzij MJ. Int J Cardiovasc Imaging. 2011 Feb. Epub
93. **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
94. **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
95. **Advanced glycation end products in patients with cerebral infarction.**  
Ohnuki Y. Intern Med. 2009;48(8):587-91.
96. **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
97. **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
98. **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
99. **Advanced Glycation Endproducts (AGE) in chronic heart failure**  
Smit A. et al. Annals of New York Academy of Science 2008; 1126:225-30
100. **Clinical relevance of Advanced Glycation Endproducts for vascular surgery**  
Meerwaldt R. et al. Eur J Vasc Endovasc Surg. 2008; 38,125-131
101. **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
102. **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
103. **Skin Autofluorescence is an independent marker for Acute Myocardial Infarction**  
Mulder DJ, et al. Circulation: 2005; 112:II-371.

- 104. Skin Autofluorescence-Indicated Advanced Glycation End Products as Predictors of Cardiovascular and All-Cause Mortality in High-Risk Subjects: A Systematic Review and Meta-analysis.** Cavero-Redondo I. et al. J Am Heart Assoc. 2018 Sep 18;7(18)

## AGE Reader in renal disease

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- 105. Advanced glycation end-products (AGEs) accumulation in skin: relations with chronic kidney disease-mineral and bone disorder.**  
França R.A. et al. J Bras Nefrol. 2017 Jul-Sep;39(3):253-260.
- 106. Skin autofluorescence in acute kidney injury.**  
Lavielle A. et al. Crit Care. 2017 Feb 9;21(1):24.
- 107. Skin- and Plasmaautofluorescence in hemodialysis with glucose-free or glucose-containing dialysate.** Ramsauer B, et al. BMC Nephrol. 2017 Jan 5;18(1):5.
- 108. Comparing changes in plasma and skin autofluorescence in low-flux versus high-flux hemodialysis.**  
Ramsauer B. et al. Int J Artif Organs. 2015 (Epub)
- 109. Skin Autofluorescence Is Associated with Endothelial Dysfunction in Uremic Subjects on Hemodialysis.** Wang CC. et al. PLoS One. 2016 Jan 25;11(1):e0147771.
- 110. Skin autofluorescence advanced glycosylation end products (AGEs) as an independent predictor of mortality in high flux haemodialysis and haemodialysis patients.**  
Nongnuch A. et al. Nephrology (Carlton). 2015 May 25.
- 111. The effect of vegetarian diet on skin autofluorescence measurements in haemodialysis patients.** Nongnuch A. et al. Br J Nutr. 2015 Mar 12:1-4. (Epub)
- 112. Skin Autofluorescence Is a Predictor of Cardiovascular Disease in Chronic Kidney Disease Patients.**  
Furuya F. et al. Ther Apher Dial. 2014 Dec 29.
- 113. Tissue advanced glycation end products (AGEs), measured by skin autofluorescence, predict mortality in peritoneal dialysis.**  
Siriopol D. et al. Int Urol Nephrol. 2014 Nov 26.
- 114. Skin autofluorescence as a novel marker of vascular damage in children and adolescents with chronic kidney disease.**  
Makulska I. et al. Pediatr Nephrol. 2014 Nov 20.
- 115. Skin autofluorescence associates with vascular calcification in chronic kidney disease.**  
Maku A.Y. et al. Arterioscler Thromb Vasc Biol. 2014 Aug;34(8):1784-90
- 116. Skin Autofluorescence and All-Cause Mortality in Stage 3 CKD.**  
Fraser S.D. et al. Clin J Am Soc Nephrol. 2014 May 29. Epub
- 117. Skin Autofluorescence Predicts Cardiovascular Mortality in Patients on Chronic Hemodialysis.**  
Kimura H. et al. Ther Apher Dial. 2014 Jan 24
- 118. Skin autofluorescence is associated with the progression of chronic kidney disease: a prospective observational study.**  
Tanaka K. et al. PLoS One. 2013 Dec 12;8(12):e83799.
- 119. Skin and Plasma Autofluorescence During Hemodialysis: A Pilot Study.**  
Graaff R. et al. Artif Organs. 2013 Oct 29.



- 120. Tissue Advanced Glycation End Product Deposition after Kidney Transplantation.**  
Crowley LE et al. *Nephron Clin Pract.* 2013 Oct 15;124(1-2):54-59.
- 121. Advanced glycation end-products and skin autofluorescence in end-stage renal disease: a review.**  
Arsov S. et al. *Clin Chem Lab Med.* 2013 Apr 4:1-10.
- 122. Accumulation of tissue advanced glycation end products correlated with glucose exposure dose and associated with cardiovascular morbidity in patients on peritoneal dialysis.**  
Jiang J. et al. *Atherosclerosis.* 2012 Sep;224(1):187-94.
- 123. Skin autofluorescence as a marker of cardiovascular risk in children with chronic kidney disease.**  
Siriopol I. et al. *Pediatr Nephrol.* 2012 Sep 15. (Epub)
- 124. Factors influencing skin autofluorescence of patients with peritoneal dialysis.**  
Mácsai E. et al. *Acta Physiol Hung.* 2012 Jun;99(2):216-22.
- 125. Decreased serum carnitine is independently correlated with increased tissue accumulation levels of advanced glycation end products in hemodialysis patients.**  
Adachi T. et al. *Nephrology (Carlton).* 2012 Jul 13. doi: 10.1111/j.1440-1797.2012.01642.x.
- 126. Skin Autofluorescence: A Pronounced Marker of Mortality in Hemodialysis Patients.**  
Gerrits E. et al. *Nephron Extra.* 2012 Jan;2(1):184-191.
- 127. 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.
- 128. Evaluation of advanced glycation end products accumulation, using skin autofluorescence, in CKD and dialysis patients.**  
Oleniuc M. et al. *Int Urol Nephrol.* 2011 Oct;44(5):1441-9.
- 129. 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.
- 130. 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
- 131. 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.
- 132. 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
- 133. 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
- 134. Tissue-Advanced Glycation End Product Concentration in Dialysis Patients**  
McIntyre et al; *CJASN,* 2010; 5(1): 51-55
- 135. 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
- 136. 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

- 137. Advanced Glycation End Products in Renal Failure: An Overview**  
Noordzij M. et al, Journal of Renal Care 2008
- 138. AGEs, autofluorescence and renal failure** Gerrits E. et al. Nephrology Dialysis and Transplantation 2009; 24: 710-713
- 139. 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
- 140. 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
- 141. 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
- 142. Skin autofluorescence, a measure of cumulative metabolic stress and advanced glycation endproducts, predicts mortality in hemodialysis patients**  
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