

# **Cardiovascular Disease Educational and Research Trust Publications 2003 – 2008 (and relevant publications involving Professor Nicolaidis MS, FRCS).**

## **2003**

Christodoulou CI, Pattichis CS, Pantziaris M, Nicolaidis AN.  
Texture-based classification of atherosclerotic carotid plaques.  
IEEE Trans Med Imaging 2003; 22(7):902-12

Golemati S, Sassano A, Lever MJ, Bharath AA, Dhanjil S, Nicolaidis AN.  
Carotid artery wall motion estimated from B-mode ultrasound using region tracking and  
block matching. Ultrasound Med Biol 2003; 29(3):387-99

Lawlor DA, Davey Smith G, Whincup P, Wannamethee G, Papacosta O, Dhanjil S, Griffin M,  
Nicolaidis AN, Ebrahim S.  
Association between offspring birth weight and atherosclerosis in middle aged men and  
women: British Regional Heart Study. J Epidemiol Community Health 2003; 57(6):462-3

## **2004**

Biasi GM, Froio A, Diethrich EB, Deleo G, Galimberti S, Mingazzini P, Nicolaidis AN, Griffin  
M, Raithel D, Reid DB, Valsecchi MG.  
Carotid plaque echolucency increases the risk of stroke in carotid stenting: the Imaging in  
Carotid Angioplasty and Risk of Stroke (ICAROS) study. Circulation. 2004 Aug 10;  
110(6):756-62

Golemati S, Tegos TJ, Sassano A, Nikita KS, Nicolaidis AN.  
Echogenicity of B-mode sonographic images of the carotid artery: work in progress.  
J Ultrasound Med. 2004 May; 23(5):659-69

Lawlor DA, Ebrahim S, Whincup P, Sterne J, Papacosta O, Wannamethee G, Dhanjil S, Griffin  
M, Nicolaidis AN, Davey Smith G.  
Sex differences in body fat distribution and carotid intima media thickness: cross sectional  
survey using data from the British regional heart study. J Epidemiol Community Health.  
2004 Aug; 58(8):700-4

Loizou CP, Pattichis CS, Istepanian RS, Pantziaria M, Nicolaidis AN.  
Atherosclerotic carotid plaque segmentation.  
Conf Proc IEEE Eng Med Biol Soc. 2004; 2:1403-6

Stoitis J, Golemati S, Nikita K, Nicolaidis AN.  
Characterisation of carotid atherosclerosis; based on motion and texture features and  
clustering using fuzzy c-means. Conf Proc IEEE Eng Med Biol Soc. 2004; 2: 1407-10

## 2005

Kakkos SK, Nicolaides AN, Griffin M, Sabetai M, Dhanjil S, Thomas DJ, Sonecha T, Salmasi AM, Geroulakos G, Georgiouis N, Francis S, Ioannidou E, Dore CJ.

The Asymptomatic Carotid Stenosis and Risk of Stroke (ACSRS) Study Group. Factors associated with mortality in patients with asymptomatic carotid stenosis: results from the ACSRS Study. *Int Angiol.* 2005 Sep; 24 (3):221-30.

Kyriacou E, Pattichis MS, Christodoulou CI, Pattichis CS, Kakkos S, Nicolaides AN.

Multiscale morphological analysis of the atherosclerotic carotid plaque.

*Conf Proc IEEE Eng Med Biol Soc.* 2005; 2: 1626-9

Kyriacou E, Pattichis MS, Christodoulou CI, Pattichis CS, Kakkos S, Griffin M, Nicolaides AN.

Ultrasound imaging in the analysis of carotid plaque morphology for the assessment of stroke.

*Stud Health Technol Inform.* 2005; 113:241-75

Loizou CP, Pattichis CS, Christodoulou CI, Istepanian RS, Pantziaris M, Nicolaides AN.

Comparative evaluation of despeckle filtering in ultrasound imaging of the carotid artery.

*IEEE Trans Ultrason Ferroelectr Freq Control.* 2005 Oct; 52(10):1653-69.

Martin RM, Ebrahim S, Griffin M, Davey Smith G, Nicolaides AN, Georgiou N, Watson S, Frankel S, Holly JM, Gunnell D.

Breastfeeding and atherosclerosis: intima-media thickness and plaques at 65-year follow-up of the Boyd Orr cohort. *Arterioscler Thromb Vasc Biol.* 2005 Jul; 25(7):1482-8

Nicolaides AN, Kakkos SK, Griffin M, Sabetai M, Dhanjil S, Thomas DJ, Geroulakos G, Georgiou N, Francis S, Ioannidou E, Dore CJ.

Effect of image normalization on carotid plaque classification and the risk of ipsilateral hemispheric ischemic events: results from the asymptomatic carotid stenosis and risk of stroke study. *Vascular.* 2005 Jul-Aug; 13(4):211-21.

Nicolaides AN, Kakkos SK, Griffin M, Sabetai M, Dhanjil S, Tegos T, Thomas DJ, Giannoukas A, Geroulakos G, Georgiou N, Francis S, Ioannidou E, Dore CJ for the Asymptomatic Carotid Stenosis and Risk of Stroke (ACSRS) Study Group.

Severity of asymptomatic carotid stenosis and risk of ipsilateral hemispheric ischaemic events: Results from the ACSRS study. *Eur J Vasc Endovasc Surg* 2005 30:275-284

## 2006

Bergan JJ, Schmid-Schonbein GW, Smith PD, Nicolaides AN, Boisseau MR, Eklof B.

Chronic venous disease.

*N Eng J Med.* 2006 Aug 3; 335(5):488-98. Review.

Kakkos SK, Nicolaides AN, Kyriacou E, Pattichis CS, Geroulakos G.

Effect of zooming on texture features of ultrasonic images.

*Cardiovasc Ultrasound.* 2006 Jan 28; 4:8.

Kakkos SK, Stevens JM, Nicolaides AN, Kyriacou E, Pattichis CS, Geroulakos G, Thomas DJ. Texture analysis of ultrasonic images of symptomatic carotid plaques can identify those plaques associated with ipsilateral embolic brain infarction. *Eur J Vasc Endovasc Surg.* 2006 Dec 8.

Loizou CP, Pattichis CS, Pantziaris M, Tyllis T, Nicolaides AN. Quality evaluation of ultrasound imaging in the carotid artery based on normalisation and speckle reduction filtering. *Med Bio Eng Comput.* 2006 May; 44(5):441-26 Epub 2006 Apr 11.

## 2007

Loizou CP, Pattichis CS, Pantziaris M, Tyllis T, Nicolaides AN. Snakes based segmentation of the common carotid artery intima media. *Med Bio Eng Comput.* 2007 Jan; 45(1): 35-49. Epub 2007 Jan 3.

Mougiakakou SG, Golemati S, Gousias I, Nicolaides AN, Nikita KS. Computer- aided diagnosis of carotid atherosclerosis based on ultrasound image statistics, laws' texture and neural networks. *Ultrasound Med Bio.* 2007 Jan; 33 (1): 26-36.

Daskalopoulou SS, Daskalopoulos ME, Theocharis S, Kavantzias N, Perrea D, Karandrea D, Constantinides AG, Mikhailidis DP, Nicolaides AN, Liapis CD. Metallothionein expression in the high-risk carotid atherosclerotic plaque. *Curr Med Res Opin.* 2007 Mar; 23(3):659-70.

Daskalopoulou SS, Daskalopoulos ME, Perrea D, Nicolaides AN, Liapis CD. Carotid artery atherosclerosis: what is the evidence for drug action? *Curr Pharm Dec.* 2007; 13(11):1141-59. Review

Nicolaides AN, Fareed J. Management of deep vein thrombosis. *Int Angiol.* 2007 Dec; 26(4):302-5. Review

## 2008

Panayiotou A, Griffin MG, Georgiou N, Bond D, Tyllis T, Tziakouri-Shiakalli C, Fessas C, Nicolaides AN. ApoB/ApoA1 ratio and subclinical atherosclerosis. *Int Angiol.* 2008 Feb 27(1): 74-80

Nicolaides AN, Allegra C, Bergan J, Bradbury A, Cairols M, Carpentier P, Comerota A, Delis C, Eklof B, Fassiadis N, Georgiou N, Geroulakos G, Hoffmann U, Jantet G, Jawien A, Kakkos S, Kalodiki E, Labropoulos N, Neglen P, Pappas P, Partsch H, Perrin M, Rabe E, Ramelet AA, Vayssaira M, Ioannidou E, Taft A. Management of chronic venous disorders of the lower limbs: guidelines according to scientific evidence. *Int Angiol.* 2008 Feb; 27(1):1-59.

Nicolaides AN, Goldhaber SZ, Maxwell GL, Labropoulos N, Clarke-Pearson DL, Tyllis TH; Griffin MB.

Cost benefit of intermittent pneumatic compression for venous thromboembolism prophylaxis in general surgery. *Int Angiol.* 2008 Dec; 27 (6): 500-505.

## 2009

Kakkos SK, Sabetai M, Tegos T, Stevens J, Thomas D, Griffin M, Geroulakos G, Nicolaides AN; for the Asymptomatic Carotid Stenosis and Risk of Stroke (ACSRS) Study Group); Silent embolic infarcts on computed tomography brain scans and risk of ipsilateral hemispheric events in patients with asymptomatic internal carotid artery stenosis. *J Vasc Surg.* 2009 Feb 14.

Kakkos SK, Caprini JA, Geroulakos G, Nicolaides AN, Stansby GP, Reddy DJ.

Combined intermittent pneumatic leg compression and pharmacological prophylaxis for prevention of venous thromboembolism in high-risk patients. *Eur J Vasc Endovasc Surg.* 2009 Mar; 37(3):364-5. Epub 2009 Jan 21.

Griffin M, Nicolaides A, Tyllis T, Georgiou N, Martin RM, Bond D, Panayiotou A, Tziakouri Ch, Doré CJ, Fessas Ch.

Carotid and femoral arterial wall changes and prevalence of clinical cardiovascular disease. Accepted for publication in *Vascular Medicine*, (awaiting issue number).