

Table I: Study Population Demographics

Characteristics	n (%)
Number of Patients	20
Median age (years) [interquartile range- IQ]	73[65.5-77.5]
Male	13M (65%)
Hyperlipidaemia	17(85%)
Hypertension	14(70%)
Diabetes Mellitus	7(35%)
Peripheral Vessel Disease	1(5%)
Ischemic Heart Disease	5(25%)
Previous carotid endarterectomy	10 (50%)
Statin	18 (90%)
Clopidogrel	14(70%)
Aspirin	16 (80%)

Table II: Comparison of demographics and continuous variables of patients with symptomatic and asymptomatic carotid artery disease

	Symptomatic CAD (n=10)	Asymptomatic CAD (n=10)	p-value (two-tailed)
Age (years)	69.5 (67.2-74.7)	77 (63-80)	0.48*
Vascular Events (TIA/ Stroke)	10 (100%)	5(50%)	0.04*
Ischemic heart disease	1(10%)	4 (40%)	0.30*
CEA	8 (80%)	2(20%)	0.03*
HTN	7(70%)	7(70%)	1.00*
Hyperlipidaemia	9 (90%)	8 (80%)	0.53*
Statin	9 (90%)	9 (90%)	1.00*
Clopidogrel	8(80%)	7(70%)	0.60*
Aspirin	9(90%)	6(60%)	0.12*
ACE-Inhibitor	1(10%)	4(40%)	0.12*
HDL (mmol/litre)	1.37±0.26	1.05±0.11	0.007†
LDL (mmol/litre)	2.60±0.43	2.61±0.88	0.96†
Chol/HDL Ratio	3.5±0.84	4.25±0.81	0.045†
TG (mmol/litre)	1.5±0.35	1.76±0.37	0.11†
CRP (mg/litre)	5.07±1.38	5.4±1.87	0.82†

Abbreviations: TIA, transient ischemic attack; CEA, carotid endarterectomy; HTN, hypertension; ACE inhibitor, angiotensin-converting enzyme inhibitor, HDL, high density lipoprotein; LDL, low density lipoprotein; Chol, cholesterol; TG, triglycerides; CRP, C-reactive protein; CAD,

*Chi-square

† Mann-Whitney Test

Table III: Mean values of pharmacokinetic and morphological measurements

	Group 1 (mean)	Group 2(mean)	p-value
K^{trans} adventitia (min^{-1})	0.08 ± 0.01	0.06 ± 0.01	$0.004^{\dagger}$
K^{trans} plaque (min^{-1})	0.07 ± 0.01	0.06 ± 0.01	$0.03^{\dagger}$
V_p _adventitia (%)	10.80 ± 6.04	9.88 ± 4.95	$0.26^{\dagger}$
V_p _plaque (%)	8.87 ± 6.61	12.14 ± 6.05	$0.28^{\dagger}$
Mean plaque area cm^2	0.27 ± 0.13	0.23 ± 0.06	$0.45^{\dagger}$
Mean Luminal Stenosis	54.4 ± 4.66	52.7 ± 5.74	$0.28^{\dagger}$

† Mann-Whitney test

