Recommendations for Vascular Protection		
For All Patients With Diabetes: The ABCDEs		
 A A1C – optimal glycemic control (usually ≤ 7%) B BP – optimal blood pressure control (< 130/80 mmHg) C Cholesterol – LDL-C ≤ 2.0 mmol/L if decision made to treat D Drugs to protect the heart (see algorithm) – A ACEi or ARB • S Statin • A ASA if indicated E Exercise – Regular physical activity, healthy diet, achievement and maintenance of healthy body weight S Smoking cessation 		
Does This Patient Require Vascular Protective Medications?		
STEP 1: Does the patient have end organ damage? ☐ Macrovascular disease • Cardiac ischemia (silent or overt)		STATIN* +
Peripheral arterial diseaseCerebrovascular/Carotid disease	YES	ACEi or ARB# + ASA
OR 		Clopidrogrel if ASA-intolerant
 Microvascular disease Retinopathy Nephropathy (ACR ≥ 2.0) Neuropathy 	YES	
NO STED 2		STATIN* + ACEi or ARB#
STEP 2: What is the patient's age?		ACEI OI ARD
L ≥ 55 years	YES	
OR		
☐ 40-54 years	YES	
NO		
STEP 3: Does the patient		STATIN*
☐ Have diabetes > 15 years AND age > 30 years	1470	
☐ Warrant statin therapy based on the 2012 Canadian Cardiovascular Society Lipid Guidelines	YES	
The above vascular protective medications have the potential to cause embryopathy : ACEi/ARBs in the 2 nd trimester and beyond (controversial effects in the 1 st trimester), Statins throughout pregnancy. Therefore, these medications should only be used in the presence of proper preconception counseling and reliable contraception in women of childbearing age. A woman's pregnancy plans should be discussed at every visit.		
 Statins should be stopped prior to conception 		

• ACEi or ARBs should be stopped either prior to conception or immediately upon detection of pregnancy

ASA should not be used for the primary prevention of cardiovascular disease in people with diabetes. ASA may be used for secondary prevention.

ACR = albumin-creatinine ratio ASA = acetylsalicylic acid ACEi = angiotensin converting enzyme inhibitor ARB = angiotensin receptor blocker LDL = low density lipoprotein



^{*} Dose adjustments or additional lipid therapy warranted if lipid target (LDL-C ≤2.0 mmol/L) not being met.

[#] ACE-inhibitor or ARB (angiotensin receptor blocker) should be given at doses that have demonstrated vascular protection (ie. perindopril 8 mg once daily (EUROPA trial), ramipril 10 mg once daily (HOPE trial), telmisartan 80 mg once daily (ONTARGET trial))