Baseline characteristics Athero-Express SCRNA Study -- stratified by Gender

| **Characteristic** | **female  N = 161** | **male  N = 231** | **p-value2** |
| --- | --- | --- | --- |
| **ORyear** |  |  | 0.006 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| 2002 | 0 (0%) | 0 (0%) |  |
| 2003 | 0 (0%) | 0 (0%) |  |
| 2004 | 0 (0%) | 0 (0%) |  |
| 2005 | 0 (0%) | 0 (0%) |  |
| 2006 | 0 (0%) | 0 (0%) |  |
| 2007 | 0 (0%) | 0 (0%) |  |
| 2008 | 0 (0%) | 0 (0%) |  |
| 2009 | 0 (0%) | 0 (0%) |  |
| 2010 | 0 (0%) | 0 (0%) |  |
| 2011 | 0 (0%) | 0 (0%) |  |
| 2012 | 0 (0%) | 0 (0%) |  |
| 2013 | 0 (0%) | 0 (0%) |  |
| 2014 | 0 (0%) | 0 (0%) |  |
| 2015 | 0 (0%) | 0 (0%) |  |
| 2016 | 0 (0%) | 0 (0%) |  |
| 2017 | 0 (0%) | 0 (0%) |  |
| 2018 | 4 (25%) | 16 (70%) |  |
| 2019 | 7 (44%) | 7 (30%) |  |
| 2020 | 4 (25%) | 0 (0%) |  |
| 2021 | 1 (6.3%) | 0 (0%) |  |
| 2022 | 0 (0%) | 0 (0%) |  |
| **Artery\_summary** |  |  | >0.9 |
| No artery known (yet), no surgery (patient ill, died, exited study), re-numbered to AAA | 0 (0%) | 0 (0%) |  |
| carotid (left & right) | 16 (100%) | 22 (96%) |  |
| femoral/iliac (left, right or both sides) | 0 (0%) | 0 (0%) |  |
| other carotid arteries (common, external) | 0 (0%) | 1 (4.3%) |  |
| carotid bypass and injury (left, right or both sides) | 0 (0%) | 0 (0%) |  |
| aneurysmata (carotid & femoral) | 0 (0%) | 0 (0%) |  |
| aorta | 0 (0%) | 0 (0%) |  |
| other arteries (renal, popliteal, vertebral) | 0 (0%) | 0 (0%) |  |
| femoral bypass, angioseal and injury (left, right or both sides) | 0 (0%) | 0 (0%) |  |
| **Age** | 71 (8) | 73 (8) | 0.3 |
| **TC\_final** | 5.18 (1.63) | 4.15 (0.80) | 0.087 |
| Unknown | 6 | 6 |  |
| **LDL\_final** | 3.44 (1.08) | 2.24 (0.69) | 0.011 |
| Unknown | 7 | 7 |  |
| **HDL\_final** | 1.20 (0.15) | 1.09 (0.26) | 0.2 |
| Unknown | 6 | 7 |  |
| **TG\_final** | 2.11 (0.82) | 1.82 (1.24) | 0.5 |
| Unknown | 7 | 8 |  |
| **systolic** | 153 (31) | 149 (25) | 0.7 |
| Unknown | 0 | 1 |  |
| **diastoli** | 81 (19) | 79 (15) | 0.6 |
| Unknown | 0 | 1 |  |
| **GFR\_MDRD** | 70 (23) | 86 (36) | 0.11 |
| Unknown | 1 | 3 |  |
| **BMI** | 25.9 (4.3) | 26.6 (3.8) | 0.6 |
| Unknown | 1 | 2 |  |
| **KDOQI** |  |  | 0.11 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| Normal kidney function | 2 (13%) | 9 (45%) |  |
| CKD 2 (Mild) | 8 (53%) | 5 (25%) |  |
| CKD 3 (Moderate) | 5 (33%) | 6 (30%) |  |
| CKD 4 (Severe) | 0 (0%) | 0 (0%) |  |
| CKD 5 (Failure) | 0 (0%) | 0 (0%) |  |
| Unknown | 1 | 3 |  |
| **BMI\_WHO** |  |  | 0.8 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| Underweight | 0 (0%) | 1 (4.8%) |  |
| Normal | 7 (47%) | 6 (29%) |  |
| Overweight | 5 (33%) | 10 (48%) |  |
| Obese | 3 (20%) | 4 (19%) |  |
| Unknown | 1 | 2 |  |
| **SmokerStatus** |  |  | 0.9 |
| Current smoker | 5 (33%) | 6 (27%) |  |
| Ex-smoker | 8 (53%) | 13 (59%) |  |
| Never smoked | 2 (13%) | 3 (14%) |  |
| Unknown | 1 | 1 |  |
| **AlcoholUse** | 8 (53%) | 13 (62%) | 0.7 |
| Unknown | 1 | 2 |  |
| **DiabetesStatus** |  |  | 0.086 |
| Control (no Diabetes Dx/Med) | 14 (88%) | 14 (61%) |  |
| Diabetes | 2 (13%) | 9 (39%) |  |
| **Hypertension.selfreport** |  |  | 0.3 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| no | 0 (0%) | 3 (13%) |  |
| yes | 14 (100%) | 20 (87%) |  |
| Unknown | 2 | 0 |  |
| **Hypertension.selfreportdrug** |  |  | 0.3 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| no | 0 (0%) | 3 (14%) |  |
| yes | 15 (100%) | 19 (86%) |  |
| Unknown | 1 | 1 |  |
| **Hypertension.composite** |  |  | >0.9 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| no | 1 (6.3%) | 2 (8.7%) |  |
| yes | 15 (94%) | 21 (91%) |  |
| **Hypertension.drugs** |  |  | >0.9 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| no | 2 (13%) | 2 (9.1%) |  |
| yes | 13 (87%) | 20 (91%) |  |
| Unknown | 1 | 1 |  |
| **Med.anticoagulants** |  |  | 0.5 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| no | 14 (100%) | 20 (91%) |  |
| yes | 0 (0%) | 2 (9.1%) |  |
| Unknown | 2 | 1 |  |
| **Med.all.antiplatelet** |  |  | >0.9 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| no | 3 (20%) | 5 (23%) |  |
| yes | 12 (80%) | 17 (77%) |  |
| Unknown | 1 | 1 |  |
| **Med.Statin.LLD** |  |  | 0.7 |
| No data available/missing | 0 (0%) | 0 (0%) |  |
| no | 4 (27%) | 4 (18%) |  |
| yes | 11 (73%) | 18 (82%) |  |
| Unknown | 1 | 1 |  |
| **Stroke\_Dx** |  |  | >0.9 |
| Missing | 0 (0%) | 0 (0%) |  |
| No stroke diagnosed | 9 (56%) | 13 (57%) |  |
| Stroke diagnosed | 7 (44%) | 10 (43%) |  |
| **sympt** |  |  | 0.2 |
| missing | 0 (0%) | 0 (0%) |  |
| Asymptomatic | 0 (0%) | 6 (26%) |  |
| TIA | 5 (31%) | 2 (8.7%) |  |
| minor stroke | 4 (25%) | 6 (26%) |  |
| Major stroke | 2 (13%) | 2 (8.7%) |  |
| Amaurosis fugax | 2 (13%) | 4 (17%) |  |
| Four vessel disease | 0 (0%) | 0 (0%) |  |
| Vertebrobasilary TIA | 0 (0%) | 0 (0%) |  |
| Retinal infarction | 1 (6.3%) | 0 (0%) |  |
| Symptomatic, but aspecific symtoms | 1 (6.3%) | 0 (0%) |  |
| Contralateral symptomatic occlusion | 0 (0%) | 0 (0%) |  |
| retinal infarction | 0 (0%) | 1 (4.3%) |  |
| armclaudication due to occlusion subclavian artery, CEA needed for bypass | 0 (0%) | 0 (0%) |  |
| retinal infarction + TIAs | 0 (0%) | 0 (0%) |  |
| Ocular ischemic syndrome | 1 (6.3%) | 2 (8.7%) |  |
| ischemisch glaucoom | 0 (0%) | 0 (0%) |  |
| subclavian steal syndrome | 0 (0%) | 0 (0%) |  |
| TGA | 0 (0%) | 0 (0%) |  |
| **Symptoms.5G** |  |  | 0.087 |
| Asymptomatic | 0 (0%) | 6 (26%) |  |
| Ocular | 3 (19%) | 6 (26%) |  |
| Other | 1 (6.3%) | 0 (0%) |  |
| Retinal infarction | 1 (6.3%) | 1 (4.3%) |  |
| Stroke | 6 (38%) | 8 (35%) |  |
| TIA | 5 (31%) | 2 (8.7%) |  |
| **AsymptSympt** |  |  | 0.073 |
| Asymptomatic | 0 (0%) | 6 (26%) |  |
| Ocular and others | 5 (31%) | 7 (30%) |  |
| Symptomatic | 11 (69%) | 10 (43%) |  |
| **AsymptSympt2G** |  |  | 0.064 |
| Asymptomatic | 0 (0%) | 6 (26%) |  |
| Symptomatic | 16 (100%) | 17 (74%) |  |
| **Symptoms.Update2G** |  |  | 0.064 |
| Asymptomatic | 0 (0%) | 6 (26%) |  |
| Symptomatic | 16 (100%) | 17 (74%) |  |
| **Symptoms.Update3G** |  |  | 0.064 |
| Asymptomatic | 0 (0%) | 6 (26%) |  |
| Symptomatic | 16 (100%) | 17 (74%) |  |
| Unclear | 0 (0%) | 0 (0%) |  |
| **indexsymptoms\_latest\_4g** |  |  | 0.053 |
| asymp | 0 (0%) | 6 (26%) |  |
| ocular | 4 (25%) | 7 (30%) |  |
| TIA | 6 (38%) | 2 (8.7%) |  |
| stroke | 6 (38%) | 8 (35%) |  |
| unclear | 0 (0%) | 0 (0%) |  |
| **stenose** |  |  | 0.12 |
| missing | 0 (0%) | 0 (0%) |  |
| 0-49% | 1 (6.3%) | 0 (0%) |  |
| 50-70% | 0 (0%) | 4 (17%) |  |
| 70-90% | 10 (63%) | 8 (35%) |  |
| 90-99% | 4 (25%) | 6 (26%) |  |
| 100% (Occlusion) | 0 (0%) | 0 (0%) |  |
| NA | 0 (0%) | 0 (0%) |  |
| 50-99% | 0 (0%) | 0 (0%) |  |
| 70-99% | 1 (6.3%) | 5 (22%) |  |
| 99 | 0 (0%) | 0 (0%) |  |
| **CAD\_history** |  |  | >0.9 |
| Missing | 0 (0%) | 0 (0%) |  |
| No history CAD | 13 (81%) | 18 (78%) |  |
| History CAD | 3 (19%) | 5 (22%) |  |
| **PAOD** |  |  | 0.7 |
| missing/no data | 0 (0%) | 0 (0%) |  |
| no | 13 (81%) | 20 (87%) |  |
| yes | 3 (19%) | 3 (13%) |  |
| **Peripheral.interv** | 4 (25%) | 5 (22%) | >0.9 |
| **EP\_composite** |  |  | >0.9 |
| No data available. | 0 (0%) | 0 (0%) |  |
| No composite endpoints | 13 (87%) | 19 (86%) |  |
| Composite endpoints | 2 (13%) | 3 (14%) |  |
| Unknown | 1 | 1 |  |
| **EP\_composite\_time** | 1,303.00 (4,867.09) | 2.33 (1.24) | 0.3 |
| Unknown | 2 | 2 |  |
| **EP\_major** |  |  | >0.9 |
| No data available. | 0 (0%) | 0 (0%) |  |
| No major events (endpoints) | 14 (93%) | 20 (91%) |  |
| Major events (endpoints) | 1 (6.7%) | 2 (9.1%) |  |
| Unknown | 1 | 1 |  |
| **EP\_major\_time** | 1,303.17 (4,867.05) | 2.36 (1.25) | 0.3 |
| Unknown | 2 | 2 |  |
| **Plaque\_Vulnerability\_Index** |  |  | >0.9 |
| 0 | 16 (100%) | 22 (96%) |  |
| 1 | 0 (0%) | 1 (4.3%) |  |
| 2 | 0 (0%) | 0 (0%) |  |
| 3 | 0 (0%) | 0 (0%) |  |
| 4 | 0 (0%) | 0 (0%) |  |
| 5 | 0 (0%) | 0 (0%) |  |
| 1n (%); Mean (SD) | | | |
| 2Fisher's Exact Test for Count Data with simulated p-value  (based on 2000 replicates); Welch Two Sample t-test; Pearson's Chi-squared test with simulated p-value  (based on 2000 replicates); Fisher's exact test | | | |