Supplementary Table 1. Crown Sizes of the Atherectomy Devices.\textsuperscript{a}

| Diamondback/Stealth Crown Type | RC 2/3: Claudicants (n=214) | RC 4/5: CLTI (n=233) | RC 6: CLTI (n=56) | p    |
|-------------------------------|-----------------------------|----------------------|-------------------|------|
| 1.5 Classic                   | 26 (12.1)                   | 14 (6.0)             | 9 (16.1)          | 0.018|
| 2.0 Classic                   | 32 (15.0)                   | 17 (7.3)             | 2 (3.6)           | 0.008|
| 1.25 Solid                    | 41 (19.2)                   | 66 (28.3)            | 8 (14.3)          | 0.02 |
| 1.5 Solid                     | 51 (23.8)                   | 49 (21.0)            | 7 (12.5)          | 0.179|
| 2.0 Solid                     | 19 (8.9)                    | 12 (5.2)             | 1 (1.8)           | 0.108|
| 1.25 Solid Micro              | 39 (18.2)                   | 59 (25.3)            | 12 (21.4)         | 0.195|
| 1.25 Micro                    | 19 (8.9)                    | 32 (13.7)            | 22 (39.3)         | <0.001|
| Unknown                       | 0                           | 1 (0.4)              | 0                 | —    |

Abbreviation: CLTI, chronic limb-threatening ischemia; RC, Rutherford category.\textsuperscript{a}Data are given as the number (percentage).
Three-Year Outcomes of Orbital Atherectomy for the Endovascular Treatment of Infrainguinal Claudication or Chronic Limb-Threatening Ischemia
Stefanos Giannopoulos et al. *J Endovasc Ther.* 2019;27(5).

**Supplementary Table 2.** Short-term Outcomes and Angiographic Complications.\(^a\)

| Outcomes                        | RC 2/3 vs RC 4/5          | RC 2/3 vs RC 6 \(^b\) | RC 4/5 vs RC 6 \(^b\) |
|---------------------------------|--------------------------|------------------------|------------------------|
| **Per patient**                 |                          |                        |                        |
| Procedure success\(^b\)         | 1.28 (0.78 to 2.09) \(^p=0.325\) | 1.69 (0.82 to 3.50) \(^p=0.157\) | 1.32 (0.65 to 2.69) \(^p=0.440\) |
| Severe angiographic complications | 0.81 (0.44 to 1.50) \(^p=0.510\) | 0.60 (0.25 to 1.44) \(^p=0.249\) | 0.73 (0.31 to 1.72) \(^p=0.476\) |
| **Per lesion**                  |                          |                        |                        |
| Lesion success\(^b\)           | 1.22 (0.77 to 1.93) \(^p=0.387\) | 1.38 (0.71 to 2.68) \(^p=0.342\) | 1.13 (0.59 to 2.15) \(^p=0.714\) |
| Severe angiographic complications | 0.81 (0.46 to 1.43) \(^p=0.477\) | 0.65 (0.30 to 1.45) \(^p=0.294\) | 0.80 (0.38 to 1.72) \(^p=0.572\) |
| Severe dissection (types C-F)   | 0.65 (0.19 to 2.26) \(^p=0.500\) | 0.56 (0.11 to 3.38) \(^p=0.569\) | 0.93 (0.19 to 4.57) \(^p=0.930\) |
| Perforation                     | 0.38 (0.08 to 1.89) \(^p=0.237\) | 0.61 (0.05 to 6.82) \(^p=0.689\) | 1.61 (0.19 to 13.6) \(^p=0.661\) |
| Distal embolization             | 1.16 (0.57 to 2.37) \(^p=0.681\) | 0.81 (0.30 to 2.14) \(^p=0.664\) | 0.69 (0.26 to 1.84) \(^p=0.461\) |
| Abrupt closure                  | 0.16 (0.02 to 1.32) \(^p=0.089\) | 0.30 (0.02 to 4.92) \(^p=0.402\) | 1.89 (0.23 to 15.57) \(^p=0.556\) |

Abbreviations: RC: Rutherford category.
\(^a\)Data are presented as the odds ratio (95% CI).
\(^b\)Success defined as <50% residual stenosis, without significant angiographic complications.