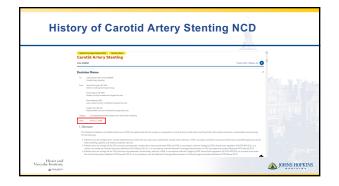
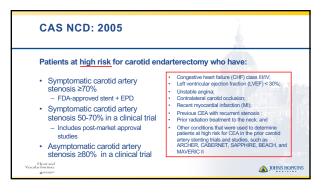
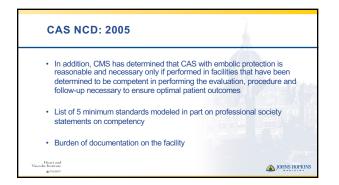


| Disclosures | À |
|--|-------------------|
| Industry: W.L. Gore, Cook Medical LLC, Sil LLC | k Road Medical |
| Supported by grants from American College of Surgeons NIH/NIDDK Society for Vascular Surgery | |
| Hear and Vacular Institute acoustro | (A) JOHNS HOPKINS |



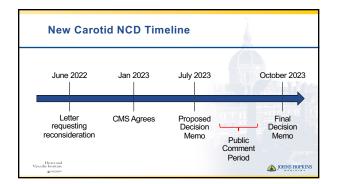


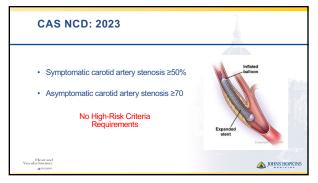


| | | | considerations | | |
|--------------------|------|-------------------------------------|--|-------------|-----------------|
| | | National Country & Analysis (NEA) | | 200 | |
| | | Carotid Artery S | | | |
| | | CAG-00085R History of Considerat | None | Export All | Calloper Al C C |
| | | Hatary | THE | D | 8 |
| | 2001 | Original Consideration | Percutaneous Translaminal Angiaplasty (PTA) of the Carolid Artery Concurrent with Stenting | CAS-00085N | Vew |
| | 2005 | First reconsideration | Corolid Artery Stanting | CAG-000858 | You are here |
| | 2006 | Second reconsideration | Intractional Stenting and Angioplasty | CAG-0008572 | View |
| | 2007 | Third reconsideration | Percutaneous Transluminal Angioplasty (PTA) of the Canolid Antery Concurrent with Steeling | CAS-00085R3 | View |
| | 2008 | Fourth reconsideration | Percutaneous Translaminal Angiaplesity (FTA) and Stanting of the Renal Antonias | CAG-0008574 | Vew |
| | 2008 | Fifth reconsideration | Intracronial Stanting and Angioglasty | CAG-0008575 | View |
| | 2008 | Sixth reconsideration | Percutaneous Translaminal Angioplasty (PTA) of the Canolid Artery Concurrent with Stenting | CAS-0008596 | Vew |
| TCAR | 2009 | Seventh reconsideration | Percutaneous Translaminal Angiaplesty (PTA) of the Control Antery Concurrent with Stenting | CAS-0008587 | Vew |
| Vascular Institute | 2023 | Datch-reconsideration | Percenteneous Transforminal Anapoleoty (PSA) of the Conold Artery Concurrent with Senting | CAG-0008578 | PKIN |



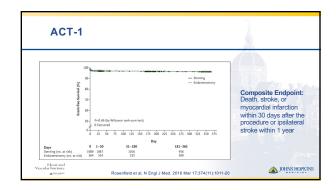
| TCAR Ap | proved for Star | ndard Risk Patients |
|--|---|---|
| Vascular Surgery 545 least | | |
| annuments and school under | | 3 1 Valer Surg. 2002 dues/76/21474-481 e3. doi: 10.1016/j.in.2022.03.860. Exub 2022 Mar 21. |
| STREET STREET I VICTORIA DU LA COMPANY DE LA | | Transcarotid artery revascularization is associated |
| Expansion of Transcarstid Artery Revaso.Am Patients for Treatment of Carolid Artery Stend | uis. | with similar outcomes to carotid endarterectomy regardless of patient risk status |
| N Pathology - Jack Economiest - One Secondary Hands & equipping Manual, Bioteconomiest - Direct of Andrews DOI: Main. Hist. cogn? D. Kittingen 2021-00. Dill | regin s strogenten - 5 JARA Neural, 2013 Ner 20,x120285. dei 10.1001/jenansent.2013.0285. Online alsest of scint. | George Q Zhang ¹¹ , Sanuja Bose ²¹ , David P Storiko ²¹ , Christopher J Abulamage ²⁴ , |
| | Risk of Stroke, Death, and Myocardial Infarction Following Transcarotid Artery Revascularization vs Carotid Endactorectomy in Patients With Standard Surgical Bisk | Denis S Zerkewity ³ , califie W Holds ⁶ Affiliations + expand FMRD: 558/7544 FMCD: FMC3328173 (swillele on 2023-00-01) DDI: 10.10166jjm.2022.03.000 |
| | Partie Liang ¹ , Janh L Commentell ² , Drie A Seconday ³ , Jans Dahup Jangman ⁴ , Mahnood B Malas ¹ , Shoo J Wang ⁴ , Shian W Kesh S Kanyap ² , Ragha L Matajanahall ³ , Maci L Schermehan ³ | |
| | Alliadams + regard MM2.3882080" PACE PACE PACESCOND (website or 3001-03-00) OC 10.100 (presence) 3003.8365 | |
| May, 2022 | Silk Road Medical Announces FDA Appro | |
| Hearrand | the ENROUTE* Transcarot SUNYYVAL, Call. – May 2, 2022 – Sik Road Medical, Inc. (Nasclas S strake and its devastating impact, body announced that that the U.S meanded indications for the INPOULT steets to include patients at at | UK), a company focused on reducing the risk of Food and Drug Administration (FDA) approved |
| Vascular Institute | endartenetionny (CEA). Previously, the stent was approved for use on that out them at high risk of complications from more invasive surgic | y in patients with anatomic or physiological criteria IDHNS HC |



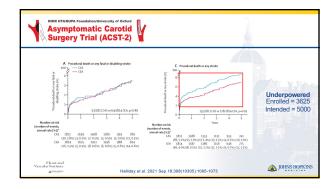




| CRE | ST Trial | | | | | | |
|-----|---|--------------|--------------|---|---|---------|--|
| | End Point | | | Periorocedural Period | - 1 | | |
| | | CAS (N=1262) | CEA (N=1240) | Absolute Treatment Effect of CAS vs. CEA (95% CI) | Hazard Ratio for CAS vs. CEA (95% CI) | P Value | |
| | | no. of posie | rets (% ±SE) | percentage points | | | |
| | Death | 9 (0.7±0.2) | 4 (0.3±0.2) | 0.4 (-0.2 to 1.0) | 2.25 (0.69 to 7.30)† | 0.18† | |
| | Stroke | | | | | | |
| | Any | 52 (4.1+0.6) | 29 (2.3±0.4) | 1.8 (0.4 to 3.2) | 1.79 (1.14 to 2.82) | 0.01 | |
| | Major ipsilateral | 11 (0.9±0.3) | 4 (0.3±0.2) | 0.5 (-0.1 to 1.2) | 2.67 (0.85 to 8.40) | 0.09 | |
| | Major nonipsilateral3 | 0 | 4 (0.3±0.2) | NA | NA | NA | |
| | Minor ipsilateral | 37 (2.9±0.5) | 17 (1.4±0.3) | 1.6 (0.4 to 2.7) | 2.16 (1.22 to 3.83) | 0.009 | |
| | Minor nonipsilateral | 4 (0.3±0.2) | 4 (0.3±0.2) | 0.0 (-0.4 to 0.4) | 1.02 (0.25 to 4.07) | 0.98† | |
| | Myocardial infanction | 14 (1.1x0.3) | 28 (2.3±0.4) | -1.1 (-2.2 to -0.1) | 0.50 (0.26 to 0.94) | 0.03 | |
| | Any periprocedural stroke or postprocedural ipsilateral stroke | 52 (4.1±0.6) | 29 (2.3±0.4) | 1.8 (0.4 to 3.2) | 1.79 (1.14 to 2.82) | 0.01 | |
| | Major stroke | 11 (0.9±0.3) | 8 (0.6±0.2) | 0.2 (-0.5 to 0.9) | 1.35 (0.54 to 3.36) | 0.52 | |
| | Minor stroke | 41 (3.2+0.5) | 21 (1.7±0.4) | 1.6 (0.3 to 2.8) | 1.95 (1.15 to 3.30) | 0.00 | |
| | Any periprocedural stroke or death or post- | 55 (4.4±0.6) | 29 (2.3±0.4) | 2.0 (0.6 to 3.4) | 1.90 (1.21 to 2.98) | 0.005 | |
| | Primary end point (any periprocedural stroke, myocardial infanction, or death or postprocedural ipsilateral stroke) | 66 (5.2±0.6) | 56 (4.5±0.6) | 0.7 (-1.0 to 2.4) | 1.18 (0.82 to 1.68) | 0.38 | |



| ACT-1 | Table 2. Death, Stroke, or Myocardial Infarction and Com Procedure.* | | | | |
|------------------------------------|---|---|--------------|----------|--------------|
| | Outcome | Stenting Endarterectomy [N=1089] (N=364) | | P Value; | 1 |
| | | no. of patients/total no. (%) | | | |
| | Death, stroke, or myocardial infarction | 35/1072 (3.3) | 9/348 (2.6) | 0.60 | |
| | Death or stroke | 31/1072 (2.9) | 6/348 (1.7) | 0.33 | |
| | Death or major stroke | 6/1072 (0.6) | 2/348 (0.6) | 1.00 | |
| | Death | 1/1072 (0.1) | 1/348 (0.3) | 0.43 | |
| | All stroke | 30/1072 (2.8) | 5/348 (1.4) | 0.23 | |
| | Major stroke | 5/1072 (0.5) | 1/348 (0.3) | 1.00 | At the Art |
| | Ipsilateral | 4/1072 (0.4) | 1/348 (0.3) | 1.00 | |
| Underpowered? | Nonipsilateral | 1/1072 (0.1) | 0/348 | 1.00 | |
| Enrolled = 1453 Intended = 1658 | Minor stroke | 26/1072 (2.4) | 4/348 (1.1) | 0.20 | |
| | Ipsilateral | 22/1072 (2.1) | 4/348 (1.1) | 0.36 | |
| | Nonipsilateral | 4/1072 (0.4) | 0/348 | 0.58 | |
| | Myocardial infarction | 5/1072 (0.5) | 3/348 (0.9) | 0.41 | |
| | Composite measure of complications | 31/1089 (2.8) | 17/364 (4.7) | 0.13 | |
| | Cranial-nerve injury | 1/1089 (0.1)‡ | 4/364 (1.1) | 0.02 | |
| | Peripheral-nerve injury | 0/1089 | 0/364 | NA | |
| | Vascular injury | 8/1089 (0.7) | 3/364 (0.8) | 1.00 | 701 |
| | Noncerebral bleeding | 21/1089 (1.9) | 6/364 (1.6) | 0.83 | |
| | Endarterectomy incision or puncture-site bleeding | 3/1089 (0.3) | 4/364 (1.1) | 0.07 | 1 1 |
| | Other complications | 0/1089 | 0/364 | NA | 2003 |
| Hearr and Vascular Institute | Rosenfield et al. N Engl J Med. 2016 M | | | | IOHNS HOPKIN |



| SPACE-2 | | | | | | | | |
|--------------------|--|-------------------------|-----------------------|---------------------|----------|--|--|--|
| | | CEA (n=203) | CAS (n=197) | BMT (n+113) | p value* | | | |
| | Primary endpoint event | 5(25%[1-0-5-8]) | 8 (4-4% [2-2-8-6]) | 3 (3-1% [1-0-9-4]) | 0.62 | | | |
| | Secondary outcome event Igsilateral ischaemic stmite | s 4 (2-0% [0-7-5-2]) | 8 (6-4% [2-2-8-6]) | 3 (3-1% [1-0-9-4]) | 0-45 | | | |
| | Any ischaerric or haerrorrhagic stroke | 10(53%[29-9-6]) | 17 (9-8% [6-2-15-3]) | 6 (6-5% [2-9-13-9]) | 0-28 | AT THE | | |
| | Death from any cause | | 25 (9-3% [5-7-15-0]) | 8 (8-0% [4-1-15-4]) | 0.88 | Composite Endpoint: | | |
| | Any ischaernic stroke | 10 (53% [29-9-6]) | | 5 (5:5% [2:3-12:7]) | 0-29 | Any stroke or death | | |
| | Any disabiling stroket | 2(1.0%[0-3-4.0]) | 3 (17% [06-52]) | 2 (2 0% [0 5-7-6]) | 0-82 | from any cause within | | |
| | Ipsilateral disabiling stroke | 0 | 1(05%;01-36) | 2 (2 0%; 0 5-7 6) | 0.14 | | | |
| | Any ischaernic stroke or vasoviar deaths | | 24 (14 1% [9 7-20 4]) | 9 (9-4% [5 0-17-4]) | | 30 days or any ipsilateral ischemic | | |
| | Re-stenosis a70%§¶ | 6(32%[15-7-1]) | 18 [10-2% [6-6-15-8]] | | 0.0092 | stroke within 5 years | | |
| | Re-stenosis and progressive stenosis [** | 6 (3-2% [1-5-7-1]) | 18 (10-2% [6-6-15-8]) | [89-235]) | 0.0050 | Subre within 5 years | | |
| | Vascular death | 5 (2-9% [1-2-6-8]) | 9 (5-6% [3-0-10-6]) | 4 [4-2% [1-6-10-8]) | | | | |
| | Myocardial infarction | 10 (6-3% [3-4-11-3]) | | 2 [27% [07-10-4]] | | | | |
| | Any transient ischaemic attack** | | | 8 (8 2% [41-15-8]) | | | | |
| Heart and | lpsilateral transient ischaemic attack** | 2 (1 0% [0-3-3 9]) | 8 (43% [2:2-8:4]) | 8 (8 2% [4 1-15-8]) | 0.0168 | | | |
| Vascular Institute | F | Reiff et al. Land | et Neurol. 2023 | 2 Oct;21(10):8 | 77-888. | JOHNS HOPKINS | | |

| SPACE | -2 | | | | | 1 |
|--------------------|---|----------------------|-----------------------|--------------------------|----------|-----------------|
| | | CEA (n=203) | CAS (n=197) | BMT (n=113) | p value* | |
| | Primary endpoint event Secondary outcome event | 5 (2.5% [1:0-5.8]) | 8 (4-4% [2-2-8.6]) | 3(31%[10-94]) | 0-62 | |
| | Ipsilateral ischaerric stroke | 4 (2 0% [0.7-5-2]) | 8 (44% [2-2-8-6]) | 3(31%[10-94]) | 0-45 | |
| | Any ischaemic or haemorrhagic stroke | 10 (5-3% [2-9-9.6]) | 17 (9-8% (6-2-15-33) | 6 (6 5% [2 9-13 9]) | 0-28 | |
| | Death from any cause | 13 (7.6% [4.5-12.8]) | 25 (9-3% [5-7-15-0]) | 8 (8-0% [4-1-15-4]) | 0.88 | Underpowered! |
| | Any ischaemic stroke | 10(5-3%(2-9-6)) | 16 (9-2% [5-7-14-7]) | 5 (5-5% [2-3-12-7]) | 0-29 | Enrolled = 513 |
| | Any disabling stroke? | 2 (10% [03-40]) | 3 [17% [06-52]] | 2 (2-0% [0-5-7-6]) | 0-82 | |
| | lpsilateral disabling stroke | 0 | 1(05%;01-36) | 2 (2:0%; 0:5-7:6} | 0.14 | Intended = 3640 |
| | Any ischaemic stroke or vascular death1 | 15 (8 1% [49-131]) | 24 (14:1% [97-20:4]) | 9 (9 4% [5 0-17 4]) | 0-23 | |
| | Re-stenosis #70%§¶ | 6 (3-2% [1-5-7-1]) | 18 (10-2% [6-6-15-8]) | | 0.0092 | |
| | Re-stenosis and progressive stenosis()** | 6 (3-2% [1-5-7-1]) | 18 (10-2% [6-6-15-8]) | 14 (14-6% [8-9-23-5]) | 0.0050 | |
| | Vascular death | 5 (2.9% [1.2-6-8]) | 9 (5.6% [3-0-10-6]) | 4 (4-2% [1-6-10-8]) | 0.52 | |
| | Myocardial infarction | 10(63%[34-113]) | 8 (5-1% [26-10-0]) | 2(27%[07-104]) | 0-42 | |
| | Any transient ischaemic attack** | 10 (5.7% [3 1-10 4]) | 10 [5:5% [3:0-9:9]) | 8 (8 2% [4:1-158]) | 0.67 | |
| Heart and | lpsilateral transient ischaemic attack** | 2 [10% [03-3:9]] | 8(43%[22-84]) | 8 (8 2% [4:1-158]) | 0.0168 | |
| Vascular Institute | F | teiff et al. Lanc | et Neurol. 2023 | 2 Oct;21(10):87 | 77-888. | JOHNS HOPKINS |

