Long-term Results of MicroMesh Stents Show Their Value in CAS; Limitations and Differences

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Disclosures

- Symposia Honoraria & Proctor Fees:
 - -Abbott, Endologix
- · Symposia Honoraria:
 - -Boston Scientific, Medtronic, Penumbra, Shockwave
- VIVA Board Member
- *National PI/Co-PI*: C-GUARDIANS, CONFIDENCE, SAPPHIRE WW, CANOPY, PERFORMANCE 3, POWER PAD 2
- Stock Options: INSPIRE MD
- Research Grants, Stocks, Equity: None



Ideal Characteristics of a Carotid Stent

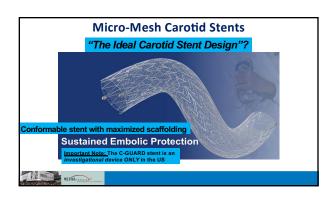
- Conformable, works in majority of carotid anatomies, AND
- Maximizes plaque coverage to reduce protrusion/ embolization

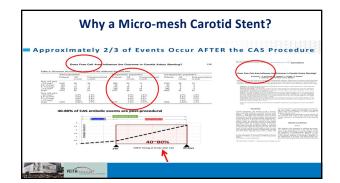
Available Conventional Carotid Stents

<u>Open Cell Stents:</u> Conformable, but have the least plaque coverage

<u>Closed Cell stents:</u> Better plaque coverage, but rigid and less conformable

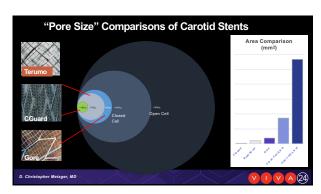








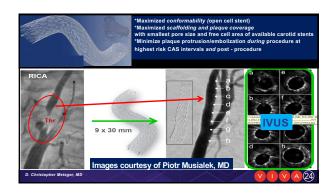


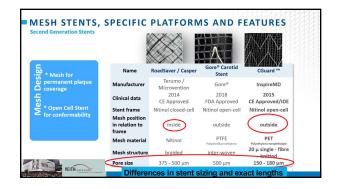


Theoretic Advantages of the MicroMesh Stent

- Maximized conformability suitable for more carotid anatomies ("open –cell" stent with proprietary "Smart Fit" auto-taper technology)
- Coupled with maximized scaffolding and plaque coverage with smallest pore size and free cell area of available carotid stents
- Potential to minimize plaque protrusion/embolization during procedure at highest risk intervals (stent placement, post dilatation) and post - procedure

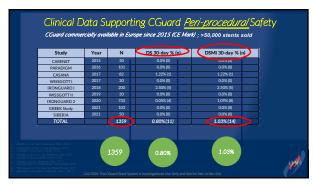
The C-Guard Stent system is investigational only in the US

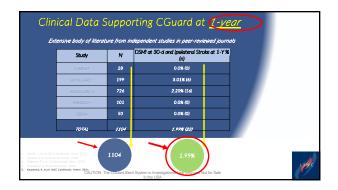


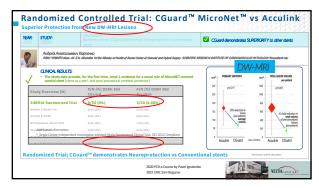






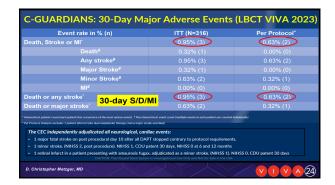


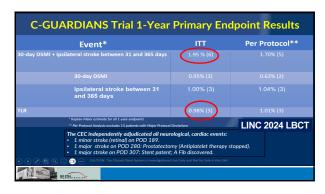


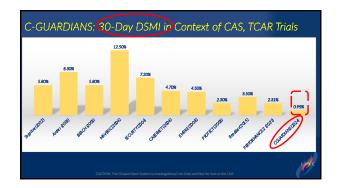


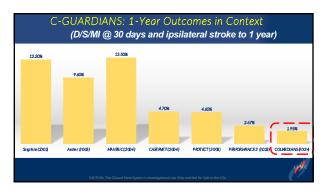
US Pivotal Data from the C-GUARDIANS IDE Trial





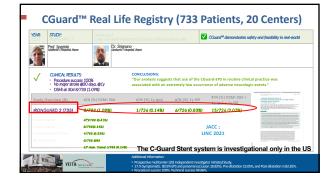






Longer –term EUROPEAN DATA with the C-Guard MicroNet Stent

VEITH





Conclusions

- The micro-mesh stents offer theoretic advantages with excellent conformability coupled with maximized plaque coverage
- Reduction in plaque protrusion occurs during the highest risk components of CAS (stent, post dilation) AND after the CAS procedure, conferring a "neuro protective" stent effect
- The C-GUARDIANS IDE pivotal trial showed outstanding "best in class" results as good as any trial of carotid revascularization, and is consistent with extensive long term European data

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