U.S. Studies and the Status of the CGuard and CGuard Prime Micromesh Stents: Can They Be Used in TCAR and Are They Making a Difference

Patrick Geraghty, MD, FACS
Professor of Surgery and Radiology
Washington University Medical School / Barnes-Jewish Hospital

Washington University in St. Louis SCHOOL OF MEDICINE

Conflicts

InspireMD Research Funding (Co-PI)
 MedAlliance/Cordis Advisory Board, Equity
 Aveera Advisory Board, Equity
 Protexa Advisory Board, Equity
 Pulse Therapeutics Advisory Board, Equity

Washington University in St.Louis School of Managing

C-Guardians II and III Trials

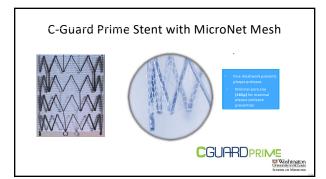
- C-Guard Prime micromesh stent / Switchguard flow reversal
- C-Guardians I trial demonstrated superb TF-CAS results through one year
- Abluminal micromesh traps plaque particulates against the artery wall
- Facilitates appropriate post-dilation after stent deployment

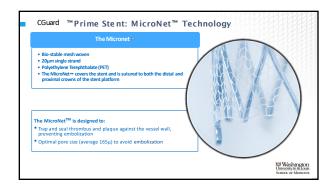
Washington University in St.Louis SCHOOL OF MEDICINE

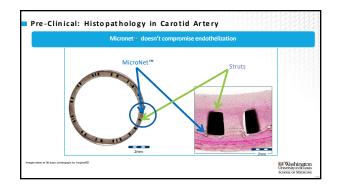
C-Guardians II and III Trials

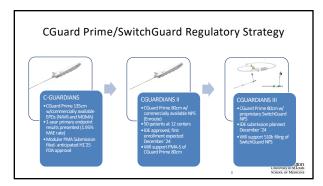
- C-Guard Prime micromesh stent / Switchguard flow reversal
- C-Guardians I trial demonstrated superb TF-CAS results through one year
- Abluminal micromesh traps plaque particulates against the artery wall
- Facilitates appropriate post-dilation after stent deployment

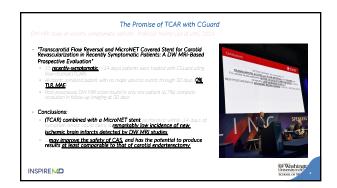
₩ashington University in Schools SCHOOL OF MEDICINE











C-Guardians II Trial

- Single arm study, 12 sites
- Patrick Muck, MD and Patrick Geraghty, MD
- 50 patients at high risk for CEA
- Lesion length < 36 mm
- Artery diameter 4.8- 9.0 mm

Washington University in St.Louis SCHOOL OF MEDICINE

C-Guardians II Trial

- High Risk Comorbid Conditions
- Age 70-80, unstable angina, NYHA class III-IV heart failure, recent MI, LVEF < 35%, severe COPD, planned CABG or AAA repair, contralateral cranial nerve injury, restenosis after prior CEA

Washington University in St.Louis SCHOOL OF MEDICINE

C-Guardians II Trial

- High Risk Anatomic Conditions
- Contralateral carotid occlusion, prior radiation therapy or radical neck dissection or laryngectomy, lesion above C2, severe tandem lesions, inability to extend neck

Washingtor University in ScLoui

C-Guardians II Trial- Endpoints

- Acute device success (introduction, deployment, removal)
- Technical success (less than 30% residual after post-dilation)
- 30 day hierarchical death/stroke/myocardial infarction
- 30 day hierarchical death/stroke
- Major/minor stroke
- Stroke through one year

Washington University in St. Louis School of Mergersit

C-Guardians II Trial

- Protocol approved
- DSMB, CEC, screening committee
- Angiographic and duplex ultrasound core labs
- Site initiation visits are underway
- Anticipate first enrollment in December

Washington University in St. Louis School of Medicine

Stay Tuned... C-Guardians III Trial • TCAR using C-Guard Prime Stent + SwitchGuard NPS