

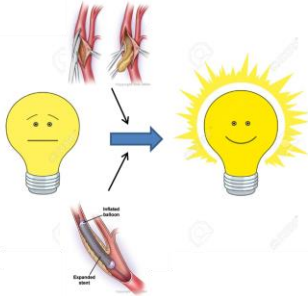


CREST-H

- A blockage in the carotid arteries can lower blood flow to the brain in some people, affecting memory or thinking. But this condition may be reversible, either with medicine or with stent or endarterectomy. CREST-H will investigate this possibility among CREST-2 participants.

CREST-H Study Question

- Does carotid surgery or stenting improve cognitive function among a subset of CREST-2 patients with lower brain blood flow?



- To participate in this add-on study you will get an MRI or CT scan to measure blood flow in the brain. The scan will include getting contrast dye through a vein in your arm.
- The imaging in this study is routinely done for patients having clinical care for other problems. The scan will last about 20 to 25 minutes. Some patients will be then be asked to have a follow-up scan one year later to recheck blood flow.
- You will be in the research study for at least one year but no more than 4 years, during the time you remain in CREST-2.
- A reimbursement will be provided at the time of the visit to help cover the cost of the visit. The cost of the scan is covered by the study.

Who is eligible for CREST-H?

- Those randomized into CREST-2 (all CREST-2 inclusion criteria apply)
- Age 35 to 86
- Patient agrees to complete a baseline MRI or CT scan and another scan at one year, if needed

Exclusion Criteria

- Non-compatible metal implants, pacemaker (MRI exclusion only)
- Known allergy to gadolinium contrast dye (MRI exclusion)
- Known allergy to iodinated contrast dye (CT exclusion)
- Kidney failure
- Significant narrowing or occlusion of the carotid artery on the side opposite the target vessel
- Pre-existing diagnosis of dementia
- History of severe head trauma (loss of consciousness >30 minutes, or seizure at the time of trauma)
- Current major depression
- Education <8 years



CREST-H Contact Information

Jaya Vijayan (Project Coordinator-Mayo)
(904) 953-3693 vijayan.jaya@mayo.edu

Kevin Slane (Project Manager-Columbia)
(212) 342-1152 kjs4@columbia.edu

Randolph Marshall (CREST-H MPI-Columbia)
(212) 305-8389 rsm2@columbia.edu

Ronald Lazar (CREST-H MPI-U Alabama Birmingham)
(205) 934-2334 rlazar@uabmc.edu

Questions? Contact Kevin Slane , Jaya Vijayan or Randolph Marshall (contact info above)

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