Montefiore

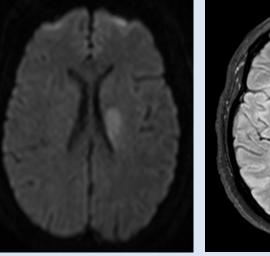
Rehabilitation in a patient suffering of a Cryptogenic Stroke, a Case Report Cecilia Cordova, MD; Gary Inwald, MD

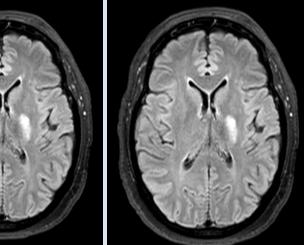


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Background	Case (continued)	Discussion	Discussion (continued)
 Cryptogenic Stroke No consistent definition. Accounts for 30-40% of ischemic stroke, where current knowledge, protocols and technology fail to determine the underlying cause. Occult paroxysmal atrial fibrillation, patent 	 Started on DAPT for 21 days and statins therapy. Rehab stay: patient was highly motivated on admission. Good gain in ambulation and strength. Mild improvement in ADLs. Very frustrated with limited improvement in 	 Prognosis of cryptogenic stroke varies. Recurrence rates are comparable to other strokes. Secondary stroke prevention addresses the most probable cause. Rehab programs do not distinguish this stroke population. 	 Neuropsychology support should have been considered earlier. It is unclear if our patient's outcome would have improved with a known etiology, clearer prognosis, and earlier psychological support.
foramen ovale, aortic arch atherosclerosis, atrial	dominant-hand function and speech.	 In our patient's rehabilitation, we focused on 	Conclusion
 cardiopathy, and sub-stenotic atherosclerosis have been implicated. Etiology may still not be clear after brain and noninvasive vascular imaging, 12-lead ECG, and routine blood tests/laboratory work-up. If embolic stroke is suspected, can add ECG monitoring (>24 hours) and ECHO. 	 Discharged home with home therapy and good transition to outpatient therapy after a month. Patient had worsening mood and anxiety throughout rehabilitation process. Concern of a psychosomatic disorder affecting functional capability. Neuropsychology referral 6 months post- stroke. 	 typical goals following stroke: Education about general wellbeing and general secondary stroke prevention. The uncertainties related to cryptogenic stroke did not allow us to address specific questions regarding prognosis and prevention, exacerbating her emotional distress. 	 There is no systematic review addressing the acute and long term rehabilitation process, prognosis, and disposition of patients following a cryptogenic stroke. Cryptogenic stroke remains largely unexamined in the rehabilitation literature.
Case Description	Images		References
 55 years-old right-handed woman No known past medical history. Jogs 5 miles 3 times a week. 			 McMahon NE, Bangee M, Benedetto V, et. al. <i>Etiologic</i> Workup in Cases of Cryptogenic Stroke: A Systematic Review of International Clinical Practice Guidelines. Stroke. 2020 May;51(5):1419-1427. doi:

- Works as a housemaid.
- Presentation: right-hemiparesis and dysarthric speech.
- No difficulty swallowing, vertigo or blurry/double vision.
- CT Head: negative for acute injury.
- MRI Brain: Left Corona Radiata/Internal Capsule and subacute Right temporoparietal infarcts.
- MRA Brain: mild focal stenosis in M2 of Left MCA, poor flow in distal PCA compared to right.
- Work-up: TTE and TEE, Holter monitor and ILR, angiogram, vasculitis and inflammatory disease labs (antiphospholipid, ACE, ANA, ANCA, ESR/CRP, JAK2, CSF cell count, HSV and VZV): Negative.
- Thought to be cardioembolic in nature due to distribution.
- No t-PA or thrombectomy.





(b) (a) (c) MRI Brain Imaging: (a) On admission -sb100 mode for acute ischemic changes-, (b) At 3 months after stroke, and (c) At 6 months after stroke -both T2W-FLAIR mode for inflammation-.

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