



Carotid intramural hematoma as a cause of stroke in a young woman

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Potential conflicts of interest

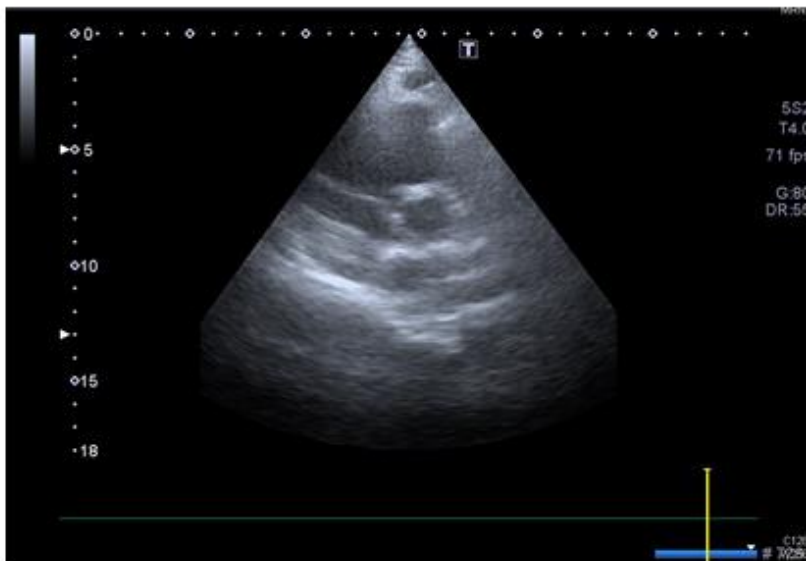
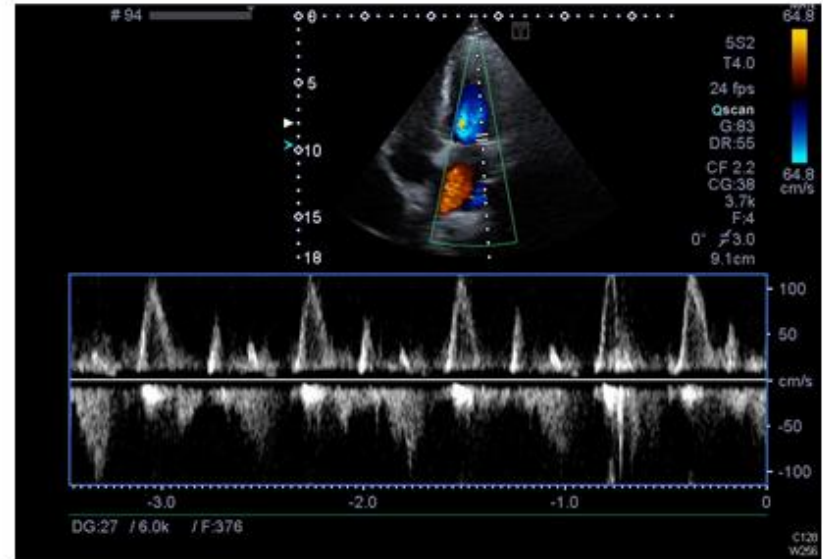
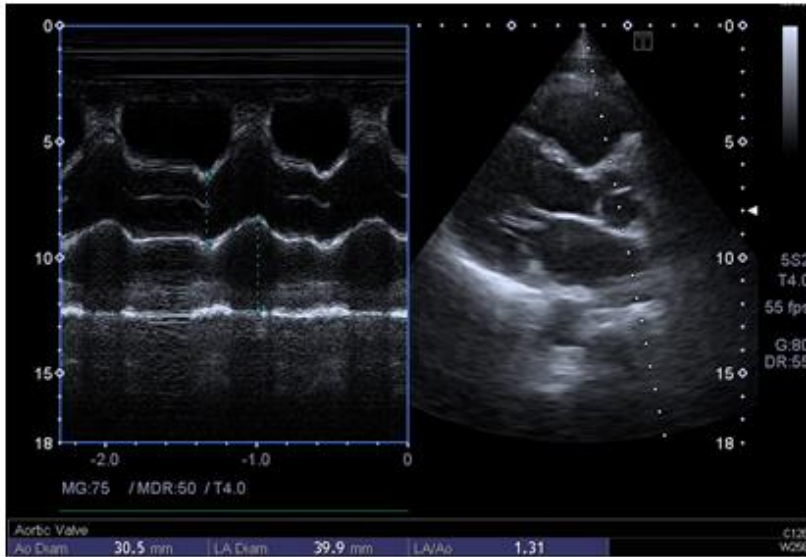
Speaker's name: Claudio Cigalini

I do not have any potential conflict of interest

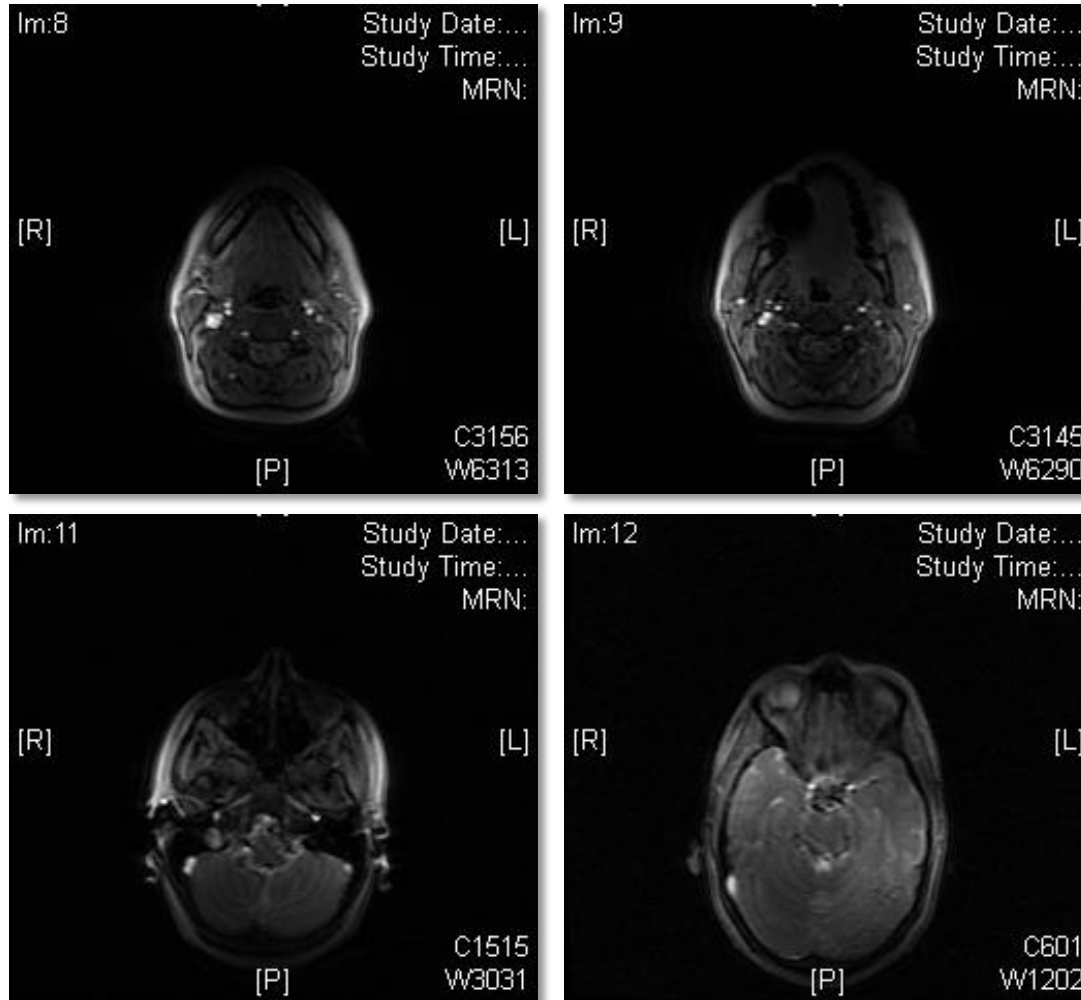
Medical history

- 33-year-old, female
- **Clinical presentation:** left eye amaurosis with incomplete recovery. No other neurological deficit. Three months of evolution.
- **Cardiovascular Risk Factors:** none
- **Background:** two pregnancies with normal deliveries, supraventricular arrhythmia
- **Medication:** Pantoprazole, Bisoprolol, oral contraceptives

Normal echocardiogram

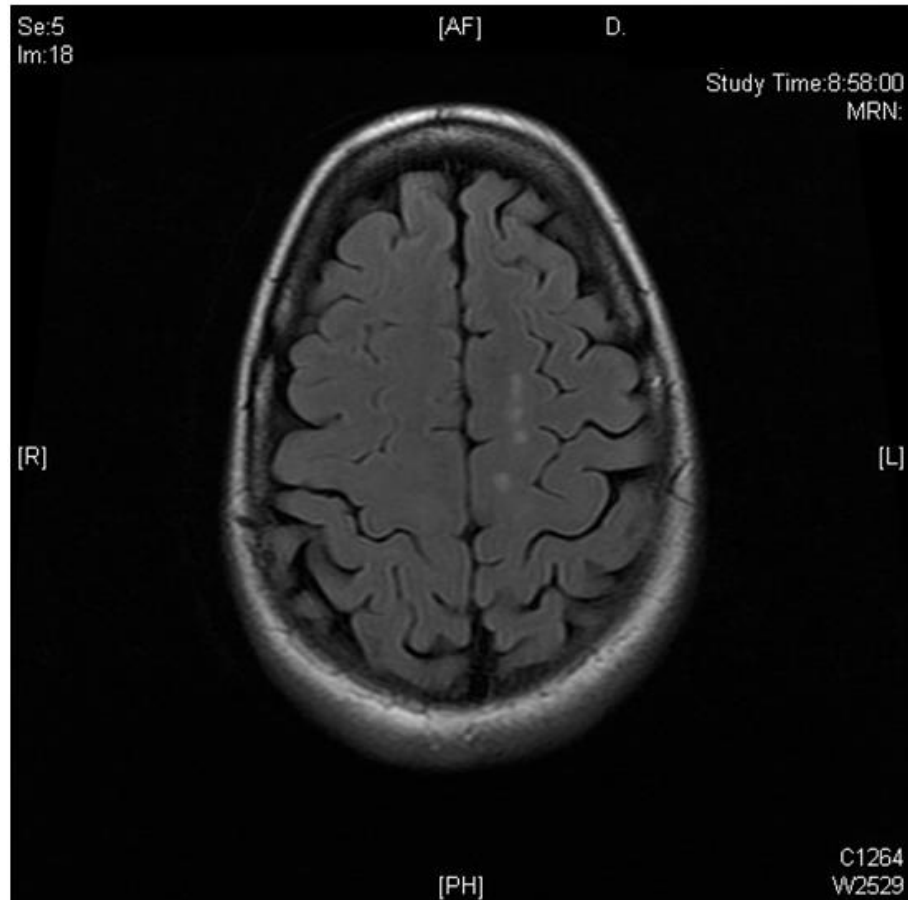


Angio-MRI



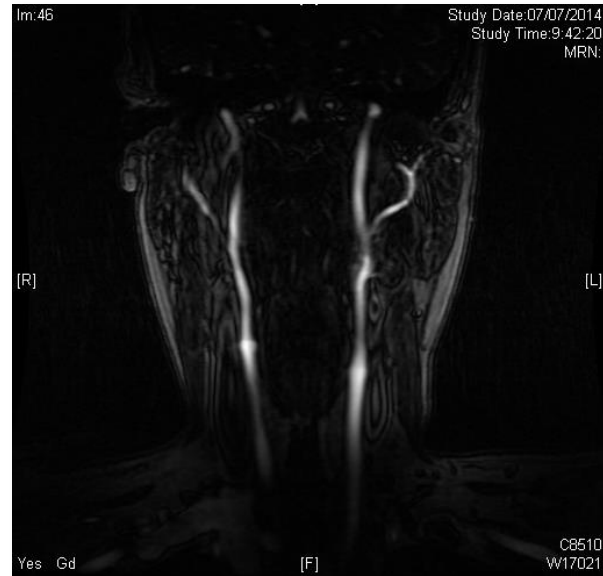
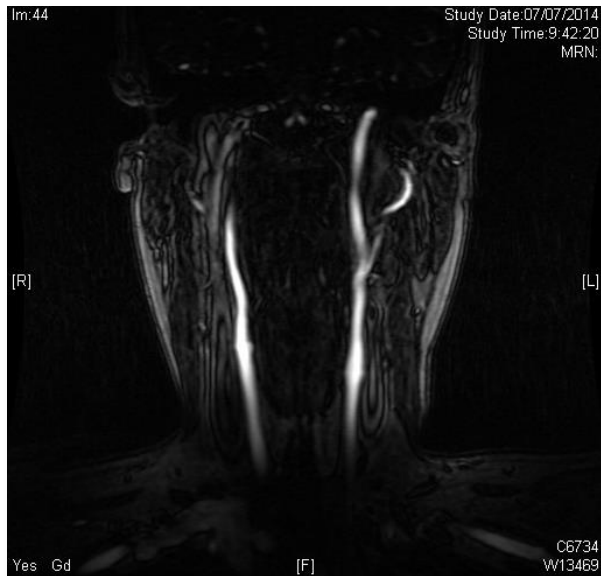
- **Microinfarcts at left frontal subcortical level.**
- **Lesions in brain parenchyma especially in white matter.**
- **Alteration of the brightness of the left Optic Nerve**
- **Demyelinating disease is suspected and the patient is treated with corticosteroids for 3 months**

Angio-MRI (3 months later)

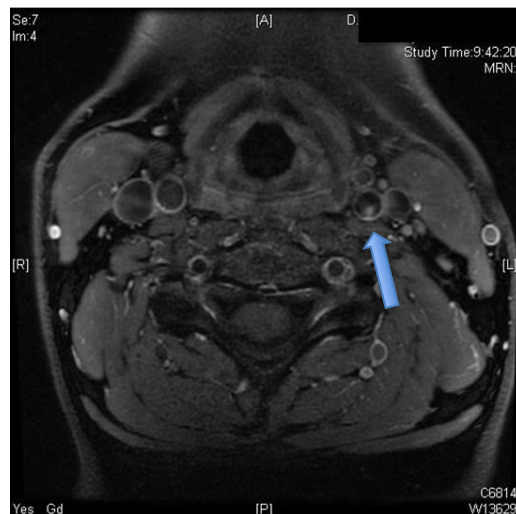
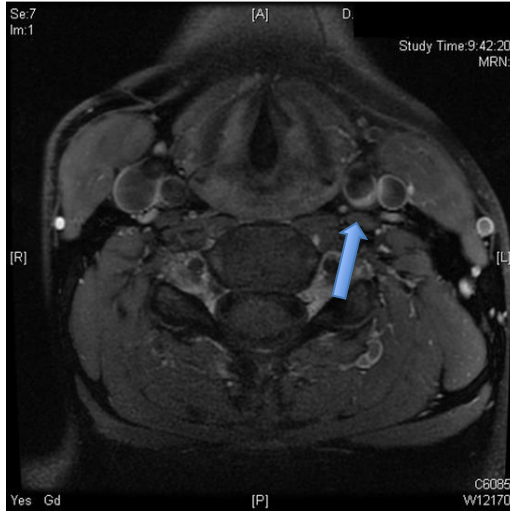


- Frontal and parietal subcortical lesions, without hyperintense brightness and without paramagnetic contrast enhancement, limited only to the left hemisphere.
- Optic nerve lesion without hyperintense brightness
- No other signs of demyelinating disease

Angio-MRI

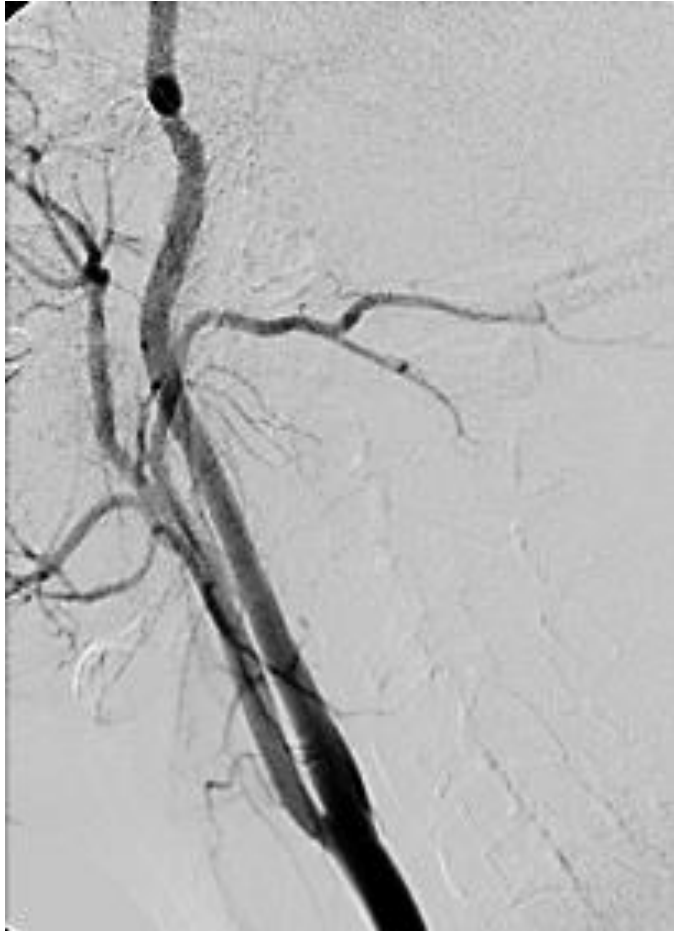


Angio-MRI



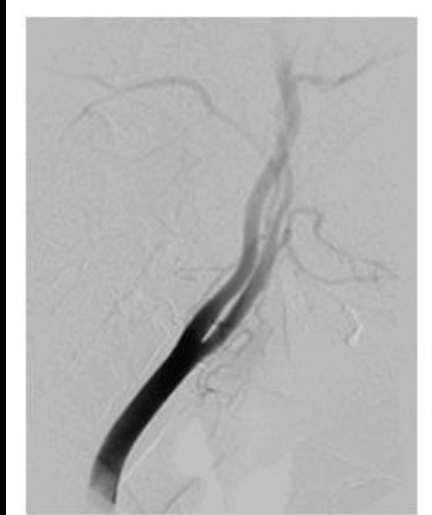
- At left internal carotid artery bifurcation and in distal direction, a paramagnetic contrast enhancement is displayed, indicating inflammation
- Image compatible with intimal flap

Invasive Angiography:

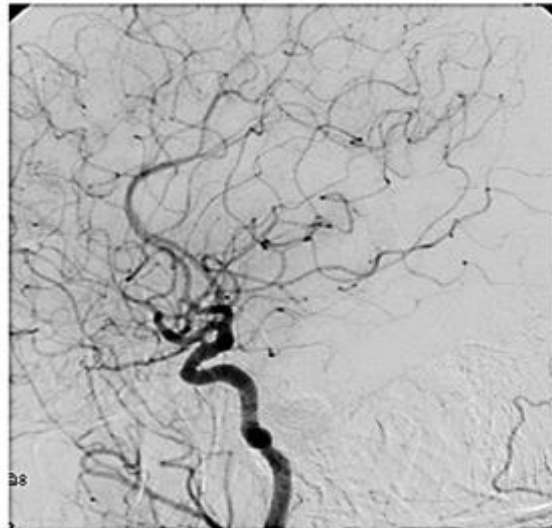
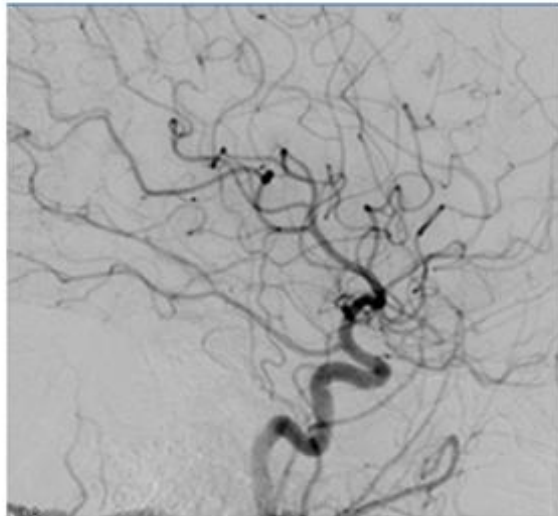
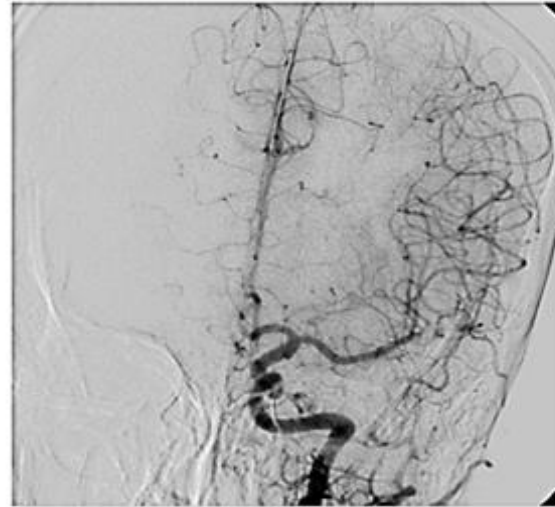
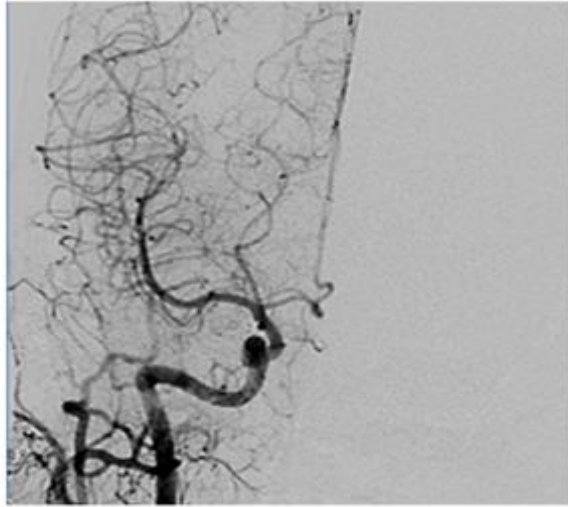


Angiography:

- Invasive angiography didn't show significant abnormalities

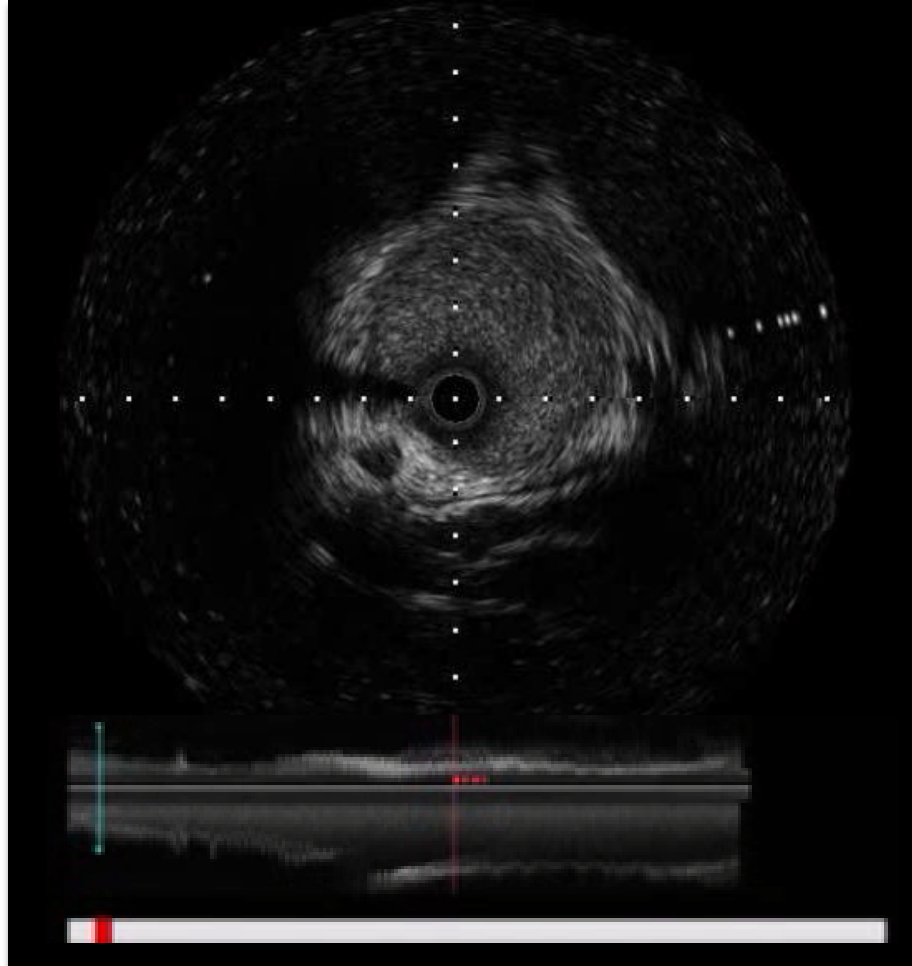


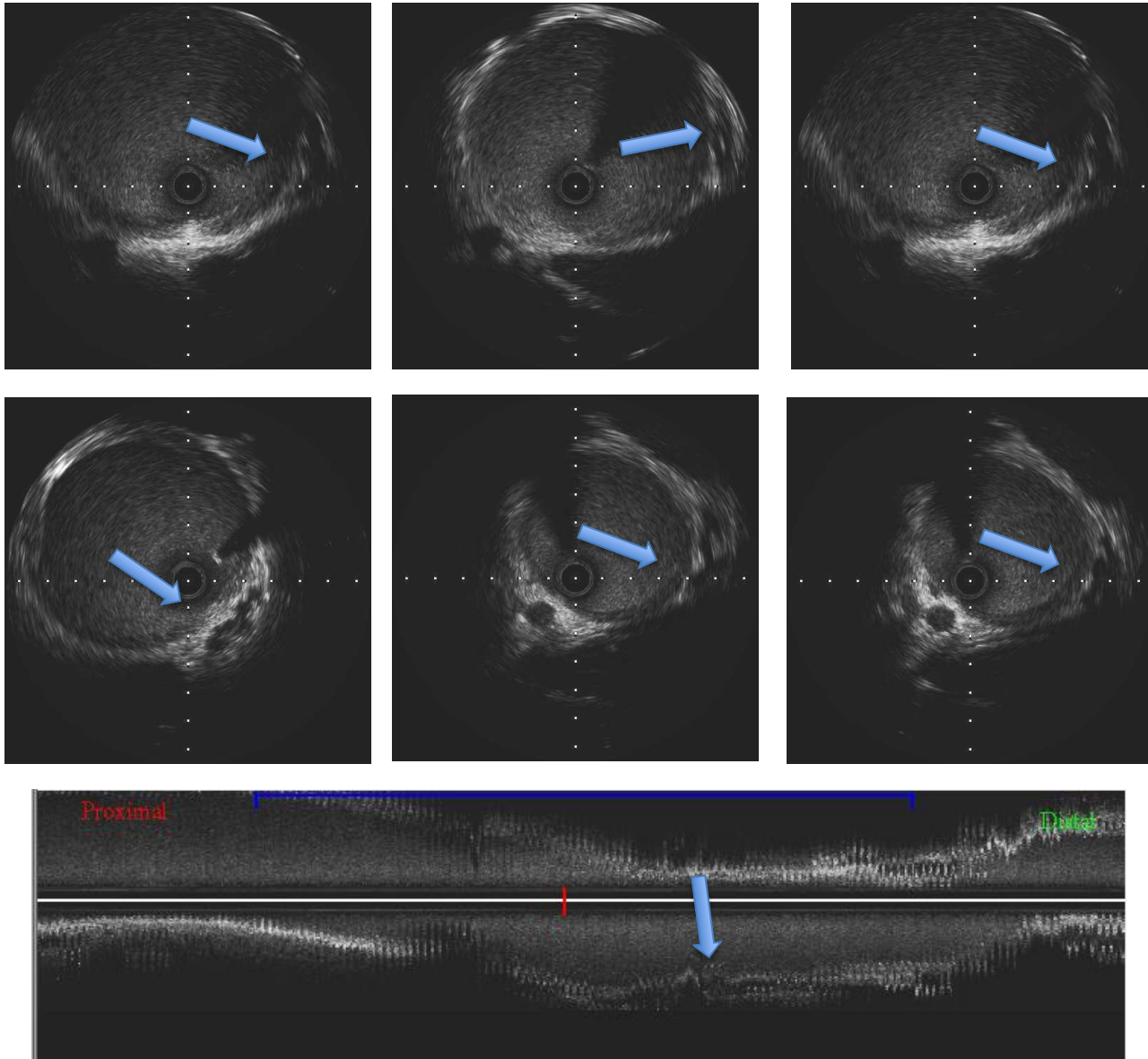
Angiography:



Intravascular Ultrasound

Intramural hematoma (28 x 2 mm)





- The patient was assigned to oral treatment with aspirin and clopidogrel for 6 months.
- She is keeping asymptomatic at 7 months follow-up