

## Ischemic Core Underestimation: A Perfusion Scotoma Case

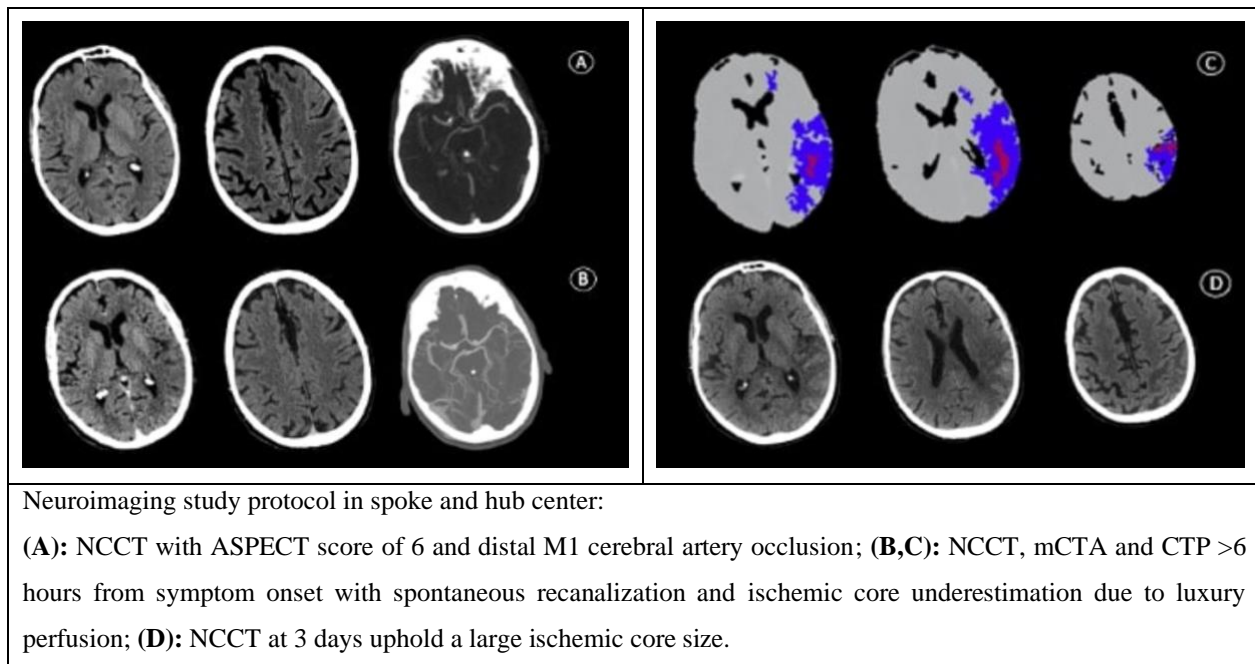
**Giorgio Busto**<sup>1,2\*</sup>

<sup>1</sup>Neuroradiology Unit, Department of Radiology, Careggi University Hospital, Florence, Italy

<sup>2</sup>Struttura Organizzativa Dipartimentale di Neuroradiologia, Dipartimento di Scienze Biomediche, Sperimentali e Cliniche "Mario Serio", Università Degli Studi di Firenze, Ospedale Universitario Careggi, Largo Brambilla 3, 50134, Florence, Italy

\***Corresponding author:** Giorgio Busto, Neuroradiology Unit, Department of Radiology, Careggi University Hospital, Florence, Italy. E-mail: [bustog@ou-careggi.toscana.it](mailto:bustog@ou-careggi.toscana.it)

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### Clinical Image

An 82 year old man with aphasia and right side weakness performed NCCT and sCTA from 2.5 h from onset that show a large parenchymal hypodensity with ASPECT score of 6 (Insula, M2, M3, M6 segments) due to distal M1 cerebral artery occlusion. 3.5 hours later repeated neuroimaging study protocol with NCCT, mCTA and CTP in hub center. A spontaneous partial vascular recanalization with leptomeningeal vasodilatation occurred and CTP showed a little ischemic core and large penumbra. 3 days after NCCT uphold the ischemic core size. This case shows a typical Perfusion Scotoma with underestimation of ischemic core >6 hours from symptom onset due to early reperfusion from partial recanalization as well as luxury perfusion [1,2].

## REFERENCES

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2. Nagar VA, McKinney AM, Karagulle AT, et al. Reperfusion phenomenon masking acute and subacute infarcts at dynamic perfusion CT: confirmation by fusion of CT and diffusion-weighted MR images. *Am J Neuroradiol.* 2009; 193: 1629-1638.