

# Middle meningeal artery embolization contraindication when it originates from the ophthalmic artery

## *Contraindicação de embolização da artéria meníngea média quando ela se origina da artéria oftálmica*

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It aims to highlight the importance of anatomical variations of the (MMA) middle meningeal artery's origin in practice for neurointerventionalist. Before proceeding with embolization of the MMA in some pathologies, a critical analysis of the anatomy of these vessels should be done. When MMA originates from the ophthalmic artery, it is a formal contraindication to proceed with the embolization.<sup>1,2</sup> Otherwise, major complications is embolization of the central retinal artery results in blindness.<sup>3</sup>

A patient with recurrent chronic subdural hematoma and thrombocytopenia was referred to embolization of the MMA. Angiogram shows MMA originates in the OA, and the procedure was inadvisable (→ **Figures 1** and **2**).

### Authors' Contributions

LPM: conceptualization, supervision, validation, visualization, writing – original draft, writing – review & editing; MGFA: data curation, writing – original draft; PLNG:

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### Conflict of Interest

There is no conflict of interest to declare.

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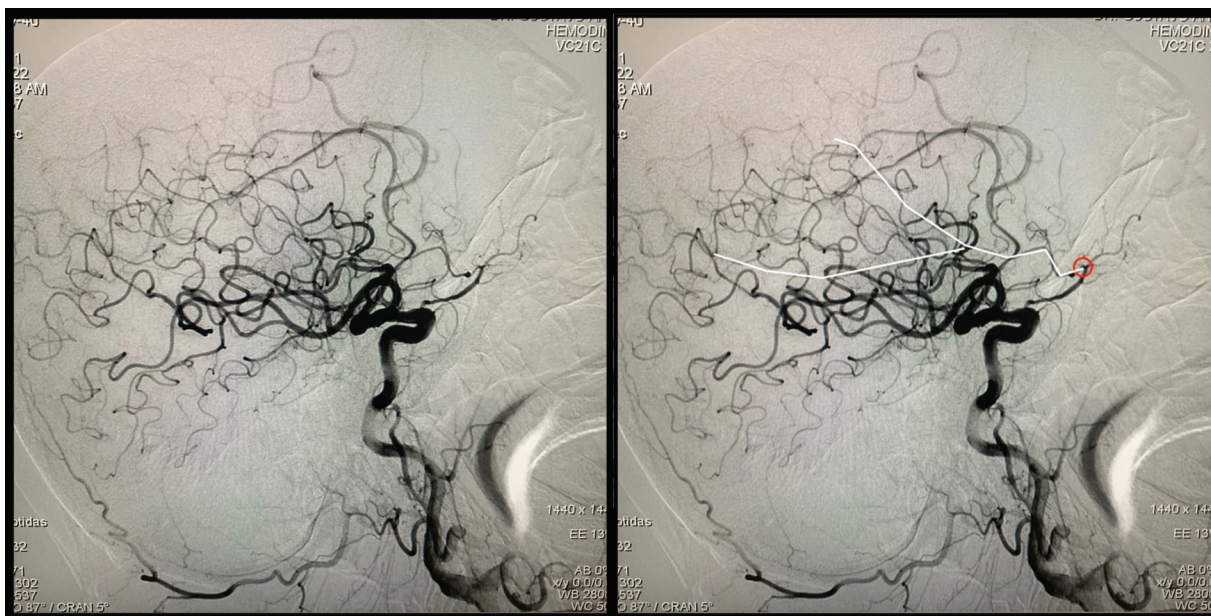
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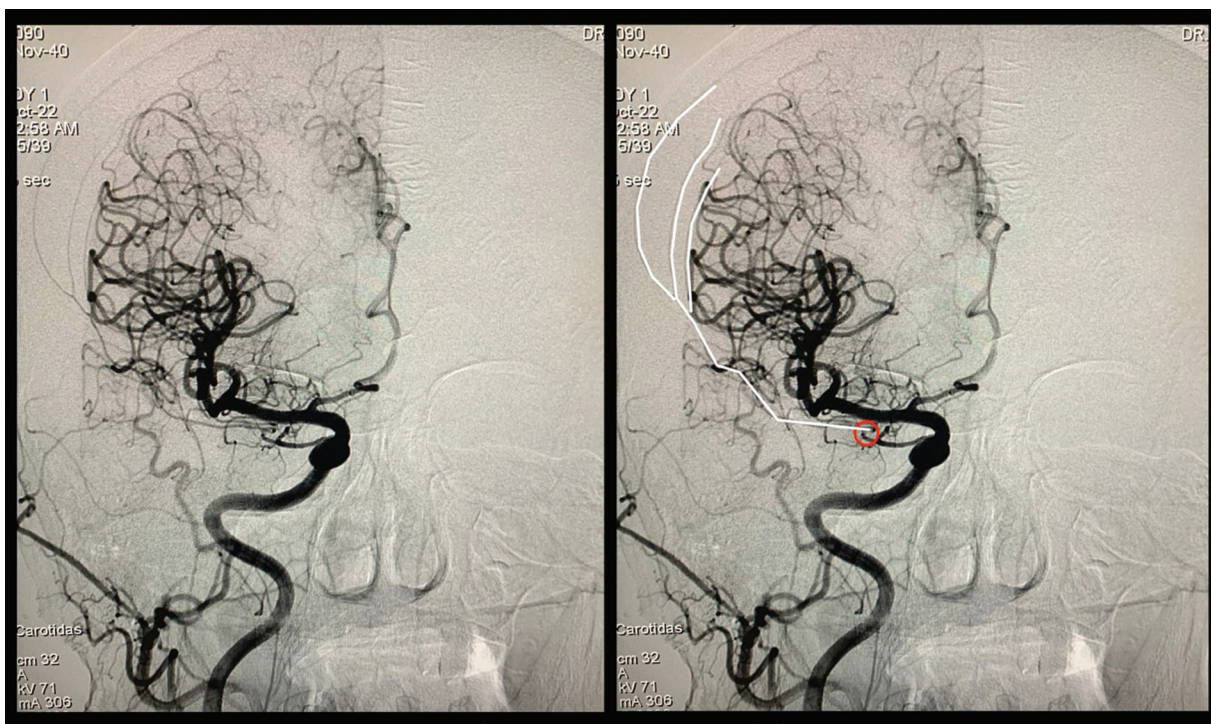
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**Figure 1** Lateral view of a cerebral angiogram showing a right subdural hematoma and the right middle meningeal artery originates from the ophthalmic artery.



**Figure 2** Anteroposterior view of a cerebral angiogram showing a right subdural hematoma and the right middle meningeal artery originates from the ophthalmic artery.