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.1,2 Otherwise, major complications is embolization of the central retinal artery results in blindness.3

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: writing – original draft, writing – review & editing; MASMJ: conceptualization, writing – original draft, writing – review & editing; JLJS: conceptualization, supervision, writing – review & editing.

Conflict of Interest
There is no conflict of interest to declare.

References
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.