Ischemic stroke after pellet embolization

A 9-year-old boy was shot with a pellet shotgun and developed a visual field deficit. Head CT revealed a pellet in the left ambient cistern, in the left posterior cerebral artery on catheter angiography (figure). Chest fluoroscopy revealed multiple thoracic pellets, including a mobile cardiac pellet (video on the Neurology® Web site at Neurology.org). There was no clear cardiac injury, patent foramen ovale, or skull penetration. Arterial embolization of a pellet from the chest to the intracranial vasculature likely caused a stroke.1,2 We considered arteriotomy, endovascular retrieval, and medical therapy. The established infarct, clinical stability, and flow distal to the pellet argued for conservative treatment; the visual field deficit was unchanged at 1-month follow-up visit.

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Author contributions: Dr. Aghaebrahim: drafting/revising the manuscript, acquisition of data. Dr. Giurgiutiu: acquisition of data. Dr. Jankowitz: acquisition of data. Dr. Jovin: acquisition of data. Dr. Jadhav: drafting/revising the manuscript, acquisition of data.

Study funding: No targeted funding reported.

Disclosure: The authors report no disclosures relevant to the manuscript. Go to Neurology.org for full disclosures.

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Amin Aghaebrahim, Dan-Victor Giurgiutiu, Brian T. Jankowitz, et al.
Neurology 2015;84;2383
DOI 10.1212/WNL.0000000000001667

This information is current as of June 8, 2015