Multiloculated Myxoid Cyst of the Popliteal Artery

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FIG 1. Popliteal arteriogram from a 22-year-old man with claudication. Note the smooth curvature of the defect. Although these cysts have been described in the external iliac, ulnar, and radial arteries, they are much more common in the popliteal artery.

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Figure 2. Resected popliteal artery containing a multiloculated cyst between the media and adventitia (top). Progressive enlargement of the multiloculated cyst encroaches upon the arterial lumen, eventually producing thrombosis. The length of the involved arterial segment varies from 2 to 8 cm.

Figure 3. Photomicrograph of a section of the popliteal artery cyst illustrated in Figs 1 and 2. These cysts contain acid mucopolysaccharide and are identical in microscopic appearance to the myxoid cysts of tendon sheaths ("ganglion").
Images in Cardiovascular Medicine. Multiloculated myxoid cyst of the popliteal artery.
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Circulation. 1993;88:1334-1335
doi: 10.1161/01.CIR.88.3.1334

Circulation is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231
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Print ISSN: 0009-7322. Online ISSN: 1524-4539

The online version of this article, along with updated information and services, is located on the World Wide Web at:
http://circ.ahajournals.org/content/88/3/1334.citation

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