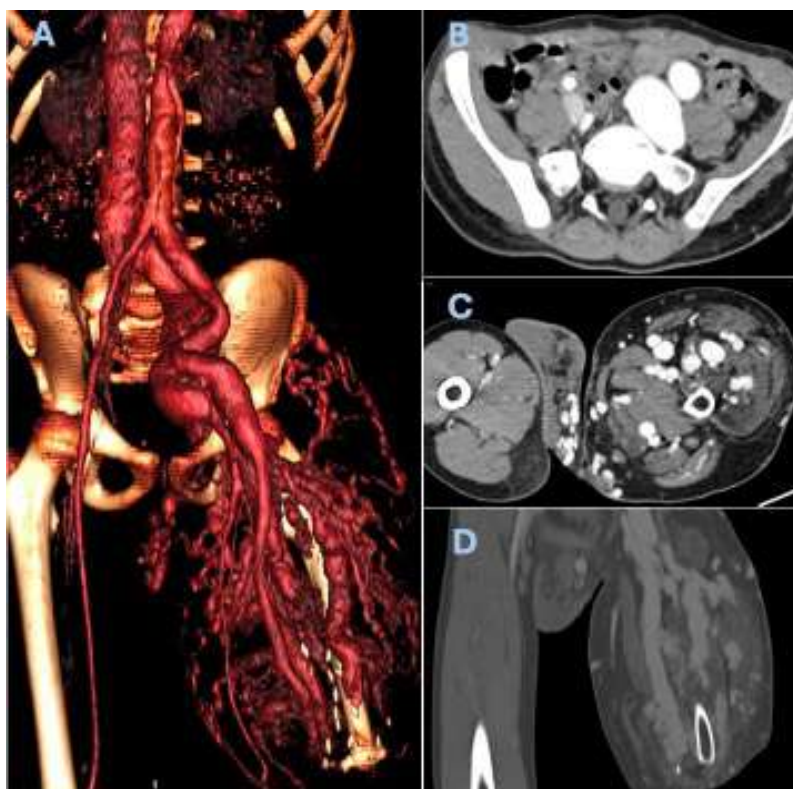


# Life and limb-threatening PTEN-related arteriovenous malformation

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A 15-year-old male with a history of arteriovenous malformation (AVM) involving the left lower limb and pelvis, associated with a pathogenic PTEN gene mutation. A computed tomography angiography revealed hemihypertrophy of the left lower limb (A), significant dilation of the left iliac venous axis and inferior vena cava (B), with early opacification, and multiple venous dilations in the thigh and hemiscrotum (C, D). Additional findings included ectasia of the femoral and iliac arteries. Despite pharmacologic therapy, multiple embolisation procedures and transfemoral amputation, conducted in more than one centre (national and abroad), he developed a highly painful ulcer at the stump and high-output cardiac failure, so he was again referred to an international reference centre, where further lifesaving embolisation to achieve hip disarticulation

level was successfully performed. The postoperative course was favourable, with slow healing but reversal of cardiac insufficiency symptoms.

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**Process:** No generative AI or AI-assisted technologies were used in the writing process.

