A 34 year old, otherwise healthy, male was admitted with abdominal pain. Angiography revealed a large abdominal and pelvic arteriovenous malformation (AVM) with huge partially thrombosed aneurysmal abdominal and pelvic veins (short arrows), and multiple high flow arteriovenous shunts forming a nidus of about 5 cm dependent on the hemorrhoidal and bilateral hypogastric arteries (long arrow). The patient was unsuccessfully treated by venous embolization with Onyx 18 and anticoagulated long term to prevent embolism. Intra-abdominal AVMs are infrequent, sporadic, and rarely reported. Presumed to be congenital, these cases rarely present with such huge dimensions.