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Rare infective radial artery arteritis after catheterization

Running Title: Infective radial artery arteritis

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A 64-year-old patient presented wrist pain and fever after a radial artery puncture for coronary angiography without abnormal ultrasound aspect of the radial artery. One month later, pain and fever persisted; ultrasound imaging (**A**) and computed tomography angiography (**B**) revealed a radial artery infective arteritis with seven staged aneurysms from 6.5 to 10.0 mm large (asterices) that needed a broad-spectrum antimicrobial therapy (intravenous administration during 3 days, oral 3 weeks). Serial blood cultures did not permit to identify the causal microorganism. Eight months later, patient was afebrile and aneurysms partly regressed while distal radial artery was occluded without ischemic symptomatology.

