Patient History

A 39-year-old man presented with acute onset of a cold, painful, and numb left leg. Physical examination in the Emergency Department demonstrated a palpable left femoral pulse and absent left popliteal, dorsalis pedis, and posterior tibial artery pulses. The left foot and lower leg were pale and cool to touch, and the patient exhibited diminished sensation over the anterior foot and decreased mobility at the ankle joint. Vascular exam of the right lower extremity examination was entirely normal. Past medical history was remarkable only for recreational drug use consisting mainly of cocaine. An electrocardiogram showed normal sinus rhythm and angiography was requested.

Runoff arteriography was performed via a right femoral approach (Fig. 5.1) and then a thoracic arteriogram was obtained (Fig. 5.2).

Question

- What is your diagnosis?

Figure Captions

5.1. Aortogram (a), pelvic arteriogram (b, c) and bilateral lower extremity runoff (d-g)

5.2. Arch (a) and lower thoracic (b) aortography.