



Figure 13-1. Case example. (A) A 70-year-old male underwent left total hip arthroplasty. Approximately 2 years postoperatively, the patient sustained a low-energy fall from a standing height. He was noted to have a Vancouver B1 fracture with a well-fixed cementless femoral stem (B). The patient underwent open reduction and internal fixation of the periprosthetic fracture using a broad cerclage plate supplemented by an anterior allograft strut (C). Eight weeks postoperatively, the patient sustained another low-energy fall and fractured below the tip of the cerclage plate (Vancouver Type C fracture), maintaining a well-fixed femoral implant (D, E). Fixation was achieved with a retrograde femoral nail along with an additional cerclage plate that allowed for supplementary screw fixation (F).