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Fig. E-1

The Balance Master system (Long Force Plate; NeuroCom International) was used for closed kinetic chain functional testing, with use of the three tests pictured. (Reprinted with permission of Natus Medical, Inc.)



Fig. E-2

The BTE PrimusRS system was used for open kinetic chain muscle performance testing. Quadriceps performance was assessed with the patient seated (top image), and hamstring performance was assessed with the patient prone (bottom image). (Reprinted with permission of BTE Technologies, Inc.) Copyright © by The Journal of Bone and Joint Surgery, Incorporated Lazaro et al. Outcomes After Operative Fixation of Complete Articular Patellar Fractures: Assessment of Functional Impairment http://dx.doi.org/10.2106/JBJS.L.00012 Page 2 of 2



Fig. E-3A

Anteroposterior and lateral radiographs of a sixty-three-year-old woman who presented with a severe patellar fracture (AO/OTA type 34-C3.2) following a fall from a standing height. Severe comminution involving the distal pole was better visualized with computed tomographic scanning.



Fig. E-3B

Left images Immediate postoperative anteroposterior and lateral radiographs illustrate acceptable reduction and hardware placement; ORIF was performed with a tension-band construct and supplemental circumferential cerclage wiring. **Right images** Anteroposterior and lateral radiographs made at one year illustrate a healed patellar fracture with maintenance of reduction and joint congruency.