

Fig. E-1

Figs. E-1A through E-1D Case 12. An eight-year-old boy with left cubitus varus deformity. **Figs. E-1A and E-1B** Preoperative photographs showing varus (**Fig. E-1A**) and hyperextension (**Fig. E-1B**) deformities of the elbow. **Figs. E-1C and E-1D** Preoperative anteroposterior (**Fig. E-1C**) and lateral (**Fig. E-1D**) radiographs showing varus and extension deformities of the distal part of the humerus.

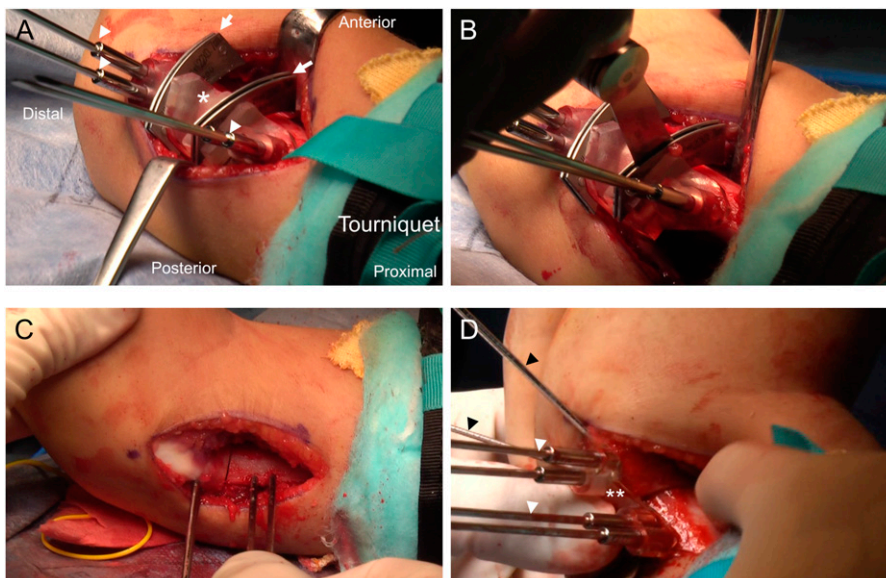


Fig. E-2

Figs. E-2A through E-2D Case 12. Intraoperative photographs made during a corrective osteotomy for the treatment of left cubitus varus deformity through a lateral approach. The patient was positioned in the supine position. An air tourniquet was applied proximal to the elbow. **Fig. E-2A** An osteotomy template (asterisk) was placed on the posterolateral surface of the distal part of the humerus and was fixed with Kirschner wires, which were inserted through the metal sleeves mounted on the template (white arrowheads). The white arrows indicate the metal osteotomy slits, which were also mounted on the template. **Fig. E-2B** The osteotomy was performed with use of a bone saw through the metal slits. **Fig. E-2C** The deformity was corrected by bringing the Kirschner wires into parallel status. **Fig. E-2D** The Kirschner wires (white arrowheads) were maintained in a parallel position by a reduction guide (double asterisk), and internal fixation was achieved by pinning with other Kirschner wires (black arrowheads).

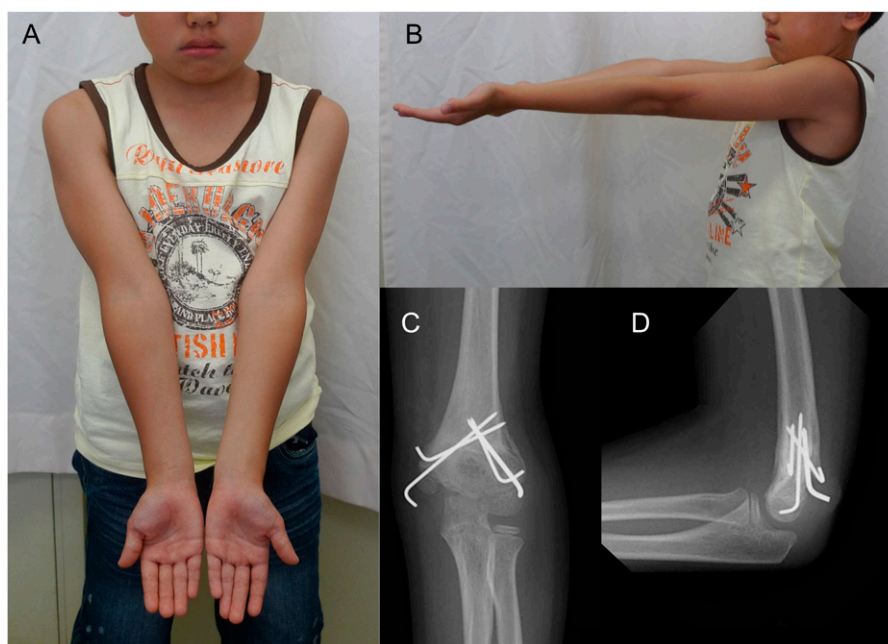


Fig. E-3

Figs. E-3A through E-3D Case 12. **Figs. E-3A and E-3B** Postoperative photographs showing that the varus and hyperextension deformities have been corrected. **Figs. E-3C and E-3D** Radiographs showing normal valgus (**Fig. E-3C**) and anterior bow (**Fig. E-3D**) of the distal part of the humerus.

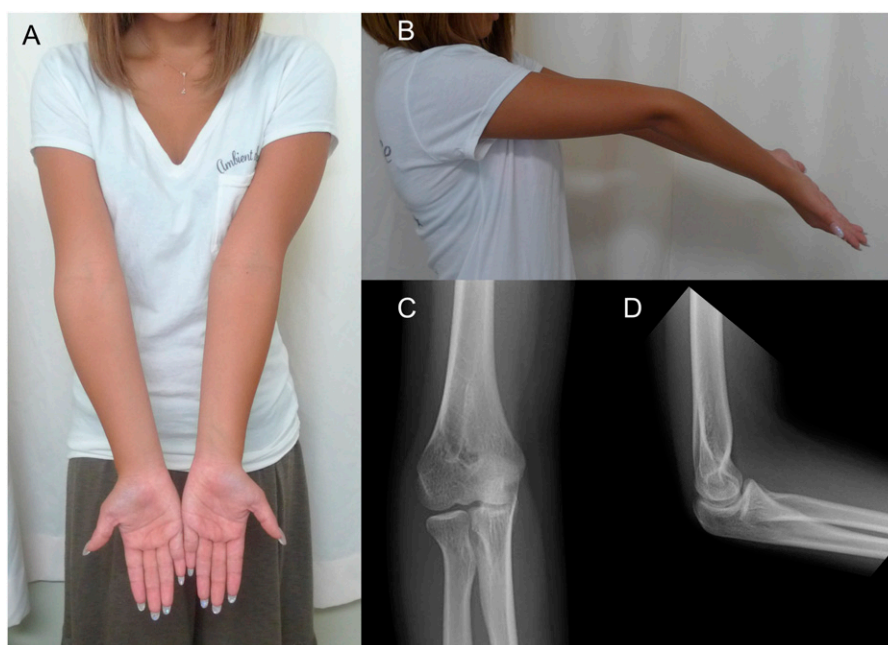


Fig. E-4

Figs. E-4A through E-4D Case 26. A seventeen-year-old female patient with right cubitus varus deformity. **Figs. E-4A and E-4B** Preoperative photographs showing varus (**Fig. E-4A**) and hyperextension (**Fig. E-4B**) deformities of the elbow. **Figs. E-4C and E-4D** Preoperative anteroposterior (**Fig. E-4C**) and lateral (**Fig. E-4D**) radiographs showing varus and extension deformities of the distal part of the humerus.

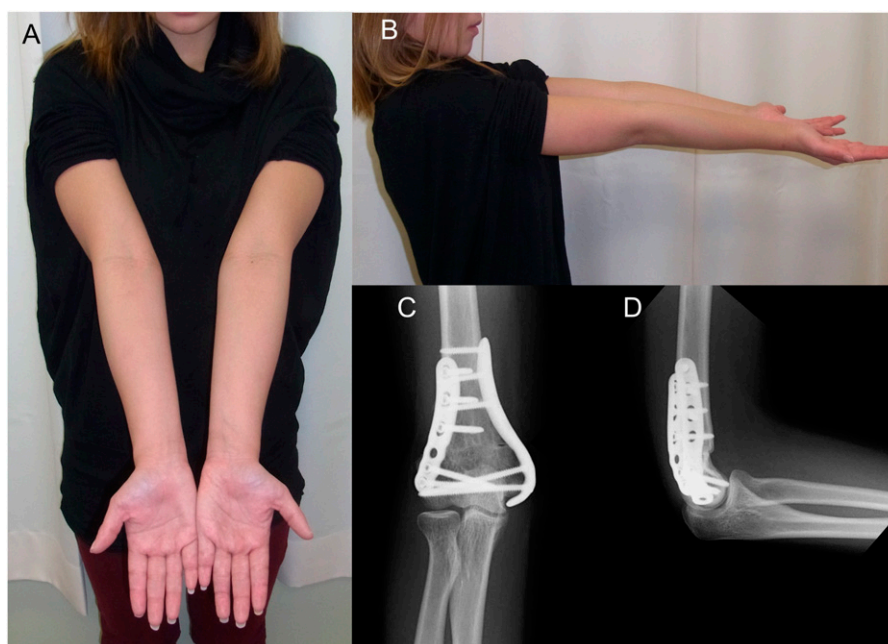


Fig. E-5

Figs. E-5A through E-5D Case 26. **Figs. E-5A and E-5B** Postoperative photographs showing that the varus and hyperextension deformities have been corrected. **Figs. E-5C and E-5D** Radiographs showing normal valgus (**Fig. E-5C**) and anterior bow (**Fig. E-5D**) of the distal part of the humerus.

TABLE E-1 Patient Data

| Case | Age at Surgery (yr) | Sex | Side* | Time from Initial Injury to Surgery (mo) | Duration of Follow-up (mo) | Internal Fixation† |
|------|---------------------|-----|-------|--|----------------------------|--------------------|
| 1 | 6 | M | R | 48 | 24 | K |
| 2 | 7 | M | R | 16 | 20 | K |
| 3 | 8 | M | R | 12 | 44 | K |
| 4 | 14 | M | R | 132 | 20 | P+TBW |
| 5 | 10 | M | R | 60 | 53 | K |
| 6 | 4 | M | R | 30 | 18 | K |
| 7 | 31 | M | L | 300 | 27 | P |
| 8 | 6 | F | L | 26 | 20 | K |
| 9 | 34 | M | L | 288 | 24 | P |
| 10 | 7 | F | L | 36 | 12 | K |
| 11 | 9 | M | L | 24 | 24 | K |
| 12 | 8 | M | L | 54 | 25 | K |
| 13 | 49 | F | L | 528 | 20 | P+TBW |
| 14 | 13 | M | R | 96 | 19 | P |
| 15 | 9 | M | R | 72 | 31 | K+TBW |
| 16 | 7 | M | R | 12 | 41 | K |
| 17 | 45 | M | L | 480 | 40 | P |
| 18 | 9 | M | R | 72 | 12 | K |
| 19 | 6 | M | L | 36 | 17 | K |
| 20 | 10 | F | L | 84 | 33 | K+TBW |
| 21 | 10 | M | L | 36 | 12 | K+TBW |
| 22 | 6 | M | L | 12 | 15 | K |
| 23 | 8 | M | L | 12 | 23 | K |
| 24 | 8 | M | L | 24 | 13 | K |
| 25 | 6 | F | L | 12 | 12 | K |
| 26 | 17 | F | R | 144 | 25 | P |
| 27 | 24 | F | L | 192 | 25 | P |
| 28 | 33 | M | L | 336 | 14 | P |
| 29 | 11 | M | R | 72 | 16 | K |
| 30 | 38 | M | R | 420 | 15 | P |
| Mean | 15.1 | | | 122.2 | 23.1 | |

*R = right, and L = left. †P = plate, K = Kirschner wires, and TBW = tension-band wiring.