



Fig. E1-A Immediate postoperative radiograph showing good alignment in the sagittal plane.



Fig. E1-B Radiograph, made fourteen months postoperatively, showing good alignment, with progressive radiolucency around the implants both proximally and distally.



Fig. E1-C Radiograph, made forty-one months after surgery, shows grade-2 migration of the proximal implant and both implants with progressive periprosthetic radiolucency.

TABLE E-1 Summary of Results after Arthroplasty of the Proximal Interphalangeal Joint with a Pyrolytic Carbon Implant

Study	No. of Patients	No. of Joints	Length of Follow-up (mo)		
			Avg.	Min.	Max.
Stütz et al. <sup>16</sup> (2005)	13	14	10	9	12
Tuttle and Stern <sup>22</sup> (2006)	8	18	13	6	30
Nunley et al. <sup>21</sup> (2006)	5	7	17	12	23
Herren et al. <sup>20</sup> (2006)	14	17	20.5	11	27
Meier et al. <sup>18</sup> (2007)	20	24	15	6	30
Bravo et al. <sup>15</sup> (2007)	35	50	37	27	46
Branam et al. <sup>23</sup> (2007)	9	19	19	6	36
Chung et al. <sup>17</sup> (2009)	14	21	12	12	12
Wijk et al. <sup>19</sup> (2010)	40	50	23	12	60
Present study	17	31	55	25	85