

Fig. E1-A  
Radiographs made six months after total ankle arthroplasty in a sixty-six-year-old woman, showing symptomatic Class-IV heterotopic ossification (arrows) in the anteromedial quadrant of the ankle.

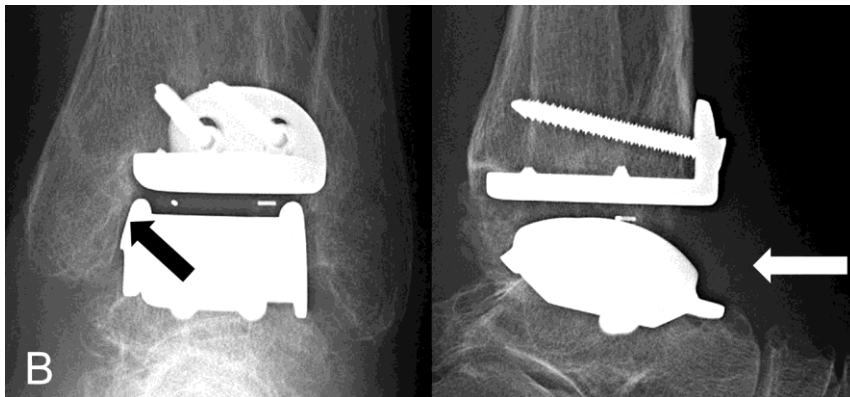


Fig. E1-B  
After surgical removal of the heterotopic ossification (arrows), the symptoms had decreased.

TABLE E-1 Review of the Literature on Heterotopic Ossification (HO) Following Primary Mobile-Bearing Total Ankle Arthroplasty

Study	Implant	Study Cases ( <i>no.</i> )	Ankles with HO ( <i>no.</i> [%])	Ankles with Symptomatic HO ( <i>no.</i> )	Principal Location of HO	Clinical Characteristics
Natens et al. <sup>23</sup>	STAR	26	11 (42%)	0	NA	No HO causing clinical problems
Wood and Deakin <sup>24</sup>	STAR	200	94 (47%)	1	Medial	No association between HO and the clinical outcome
Valderrabano et al. <sup>21</sup>	STAR	68	43 (63%)	14	Posteromedial	Decreased range of motion. HO was removed in 14 cases
Hintermann et al. <sup>20</sup>	HINTEGRA	122	4 (4%)	NA	NA	NA
San Giovanni et al. <sup>19</sup>	Buechel-Pappas	28	23 (82%)	0	Posterior	No HO causing clinical problems
Present study	HINTEGRA	80	20 (25%)	8	Posterior	Decreased range of motion and poor clinical outcome

\*NA = not available.