

Fig. E-1A

Figs. E-1A and E-1B Case 6. A retrieved Crossfire acetabular cup with delamination of severity 1 (barely observable changes) after 2.0 years in vivo. **Fig. E-1A** Overview.

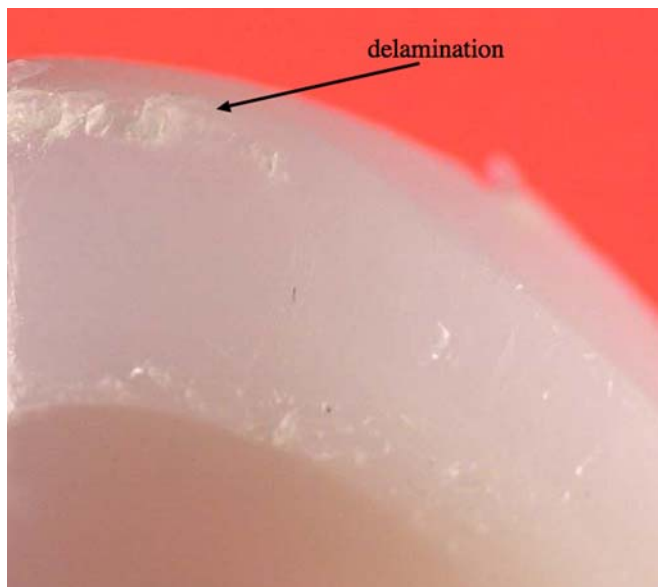


Fig. E-1B

Close-up view of the delamination.

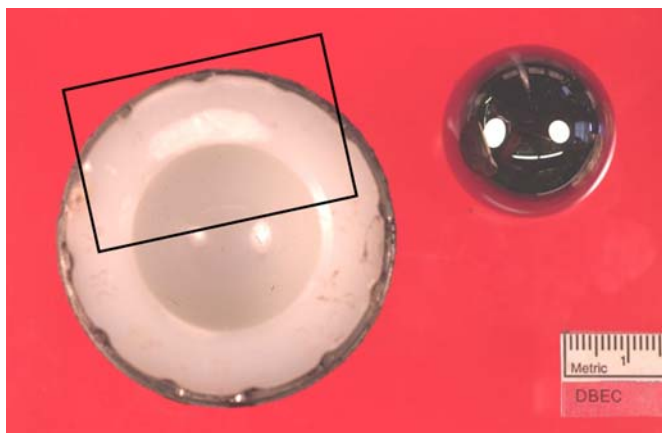


Fig. E-2A

Figs. E-2A and E-2B Case 12. A retrieved Crossfire acetabular cup with delamination of severity 2 (easily detected levels of change) after 3.3 years in vivo. **Fig. E-2A** Overview.

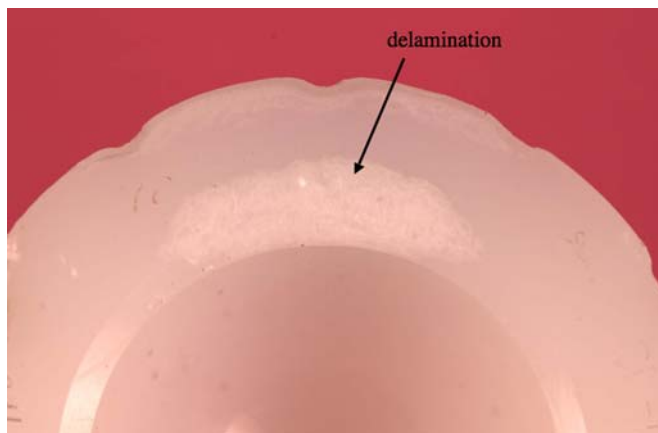


Fig. E-2B

Close-up view of the delamination.

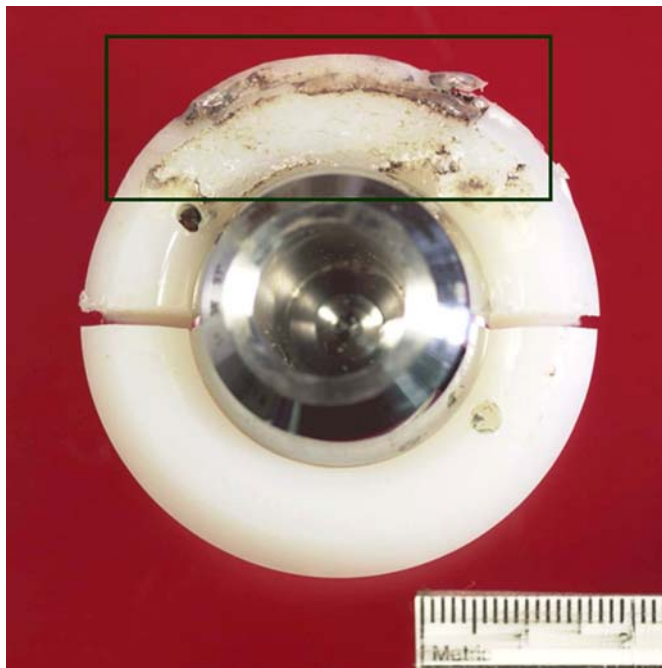


Fig. E-3A

Figs. E-3A and E-3B Case 8. A retrieved Crossfire acetabular cup with delamination of severity 3 (severe changes, potentially threatening the function of the implant) after 2.9 years in vivo. **Fig. E-3A** Overview.

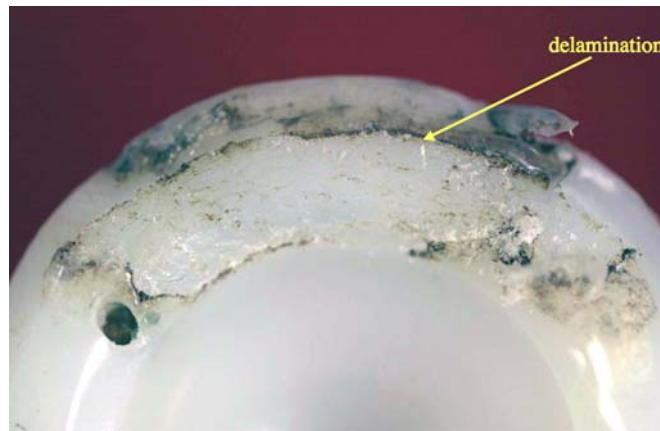


Fig. E-3B

Close-up view of the delamination.

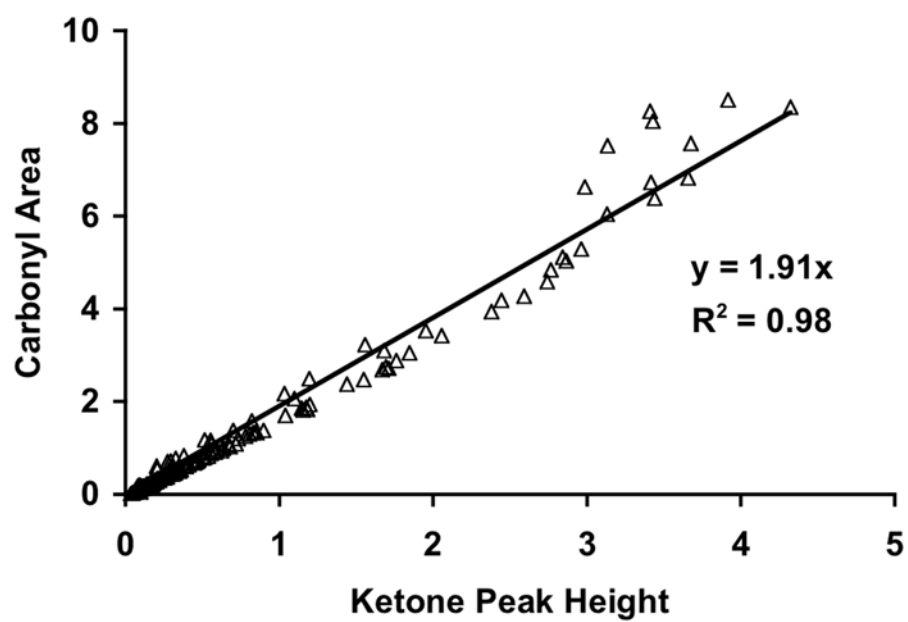


Fig. E-4

Oxidation values calculated with use of the carbonyl area method and the peak height ratio method show strong linear correlation ($R^2 = 0.98$).