

Corneal melt around Boston type I keratoprosthesis

Category(ies): Cornea, External Disease

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Boston keratoprosthesis devices require regular monitoring to assess for the presence of [complications such as infection](#) and corneal melt. Anterior segment optical coherence tomography (OCT) is a useful study to assess for the presence of corneal thinning or melt. We regularly use OCT to monitor the status of the cornea around the device.

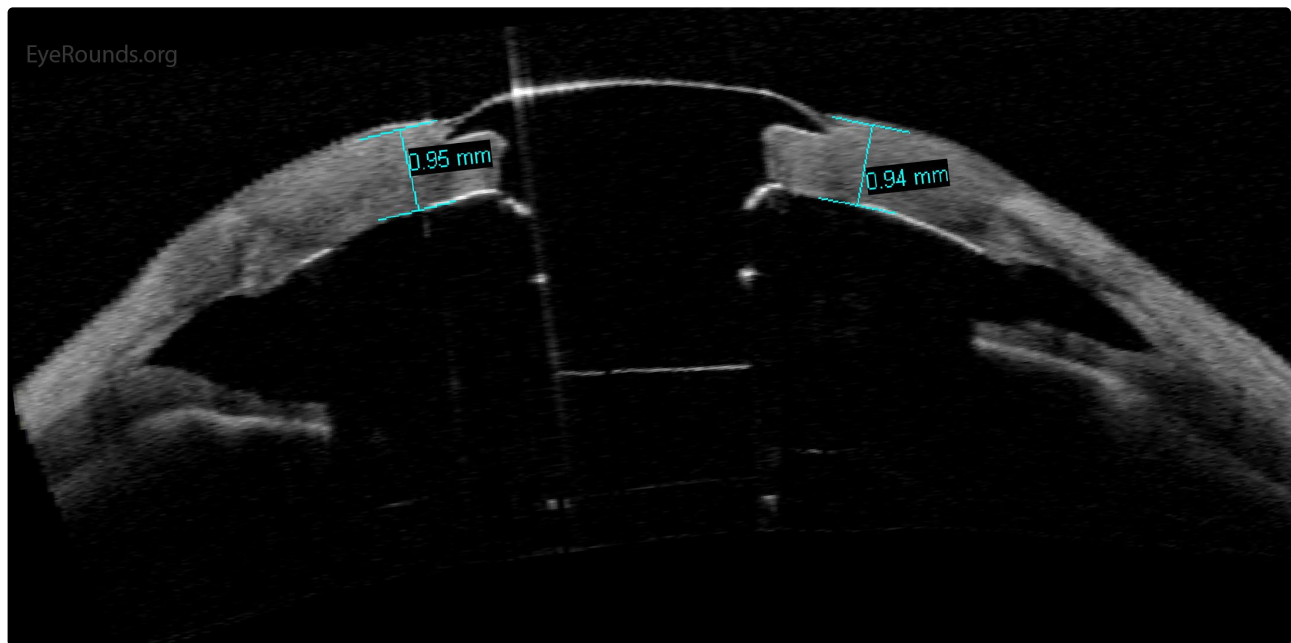


Figure 1: Normal appearance of Boston type I keratoprosthesis device on anterior segment OCT.

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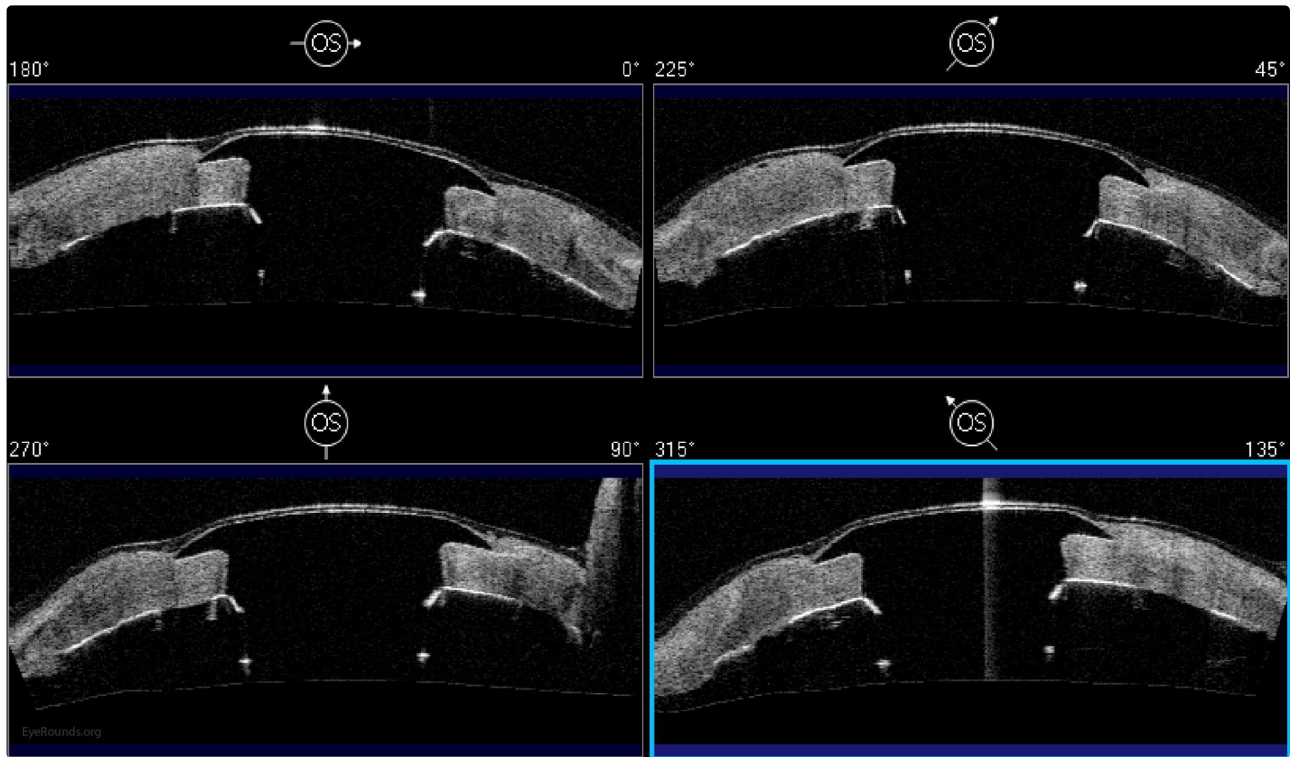


Figure 2: Anterior segment optical coherence tomography demonstrating the appearance of a Boston Type I Kpro with healthy corneal tissue surrounding the device

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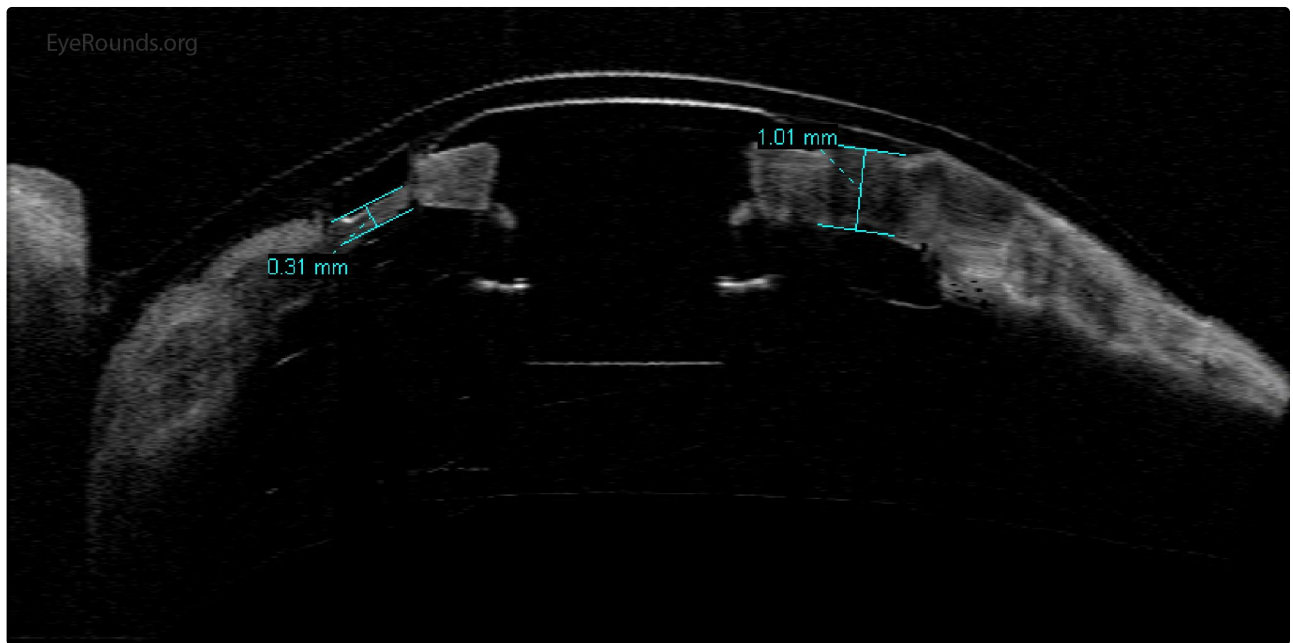


Figure 3: Corneal melt with thinning of the tissue surrounding the device stem.

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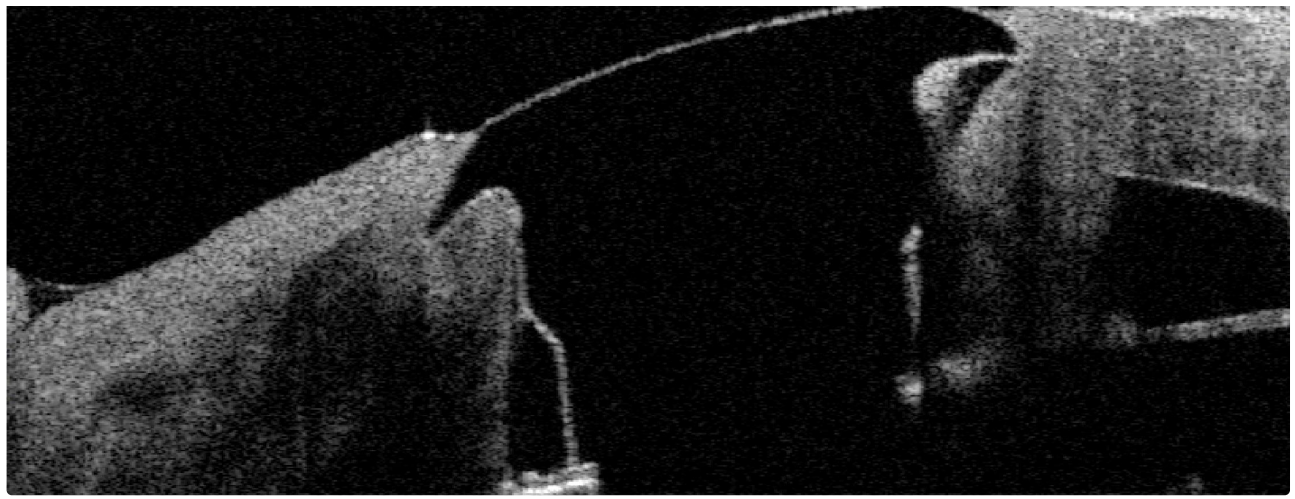


Figure 4: Corneal melt with tissue retraction away from the device stem (arrow).

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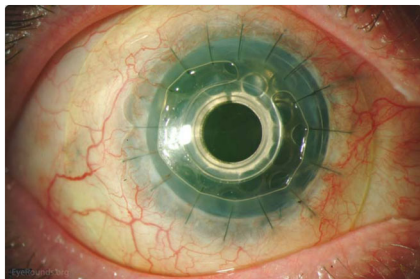
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