

ROP screening-past, present and future
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Retinopathy of prematurity (ROP) is a vaso-proliferative disease affecting extremely premature and low birth weight infants, it is a leading cause of avoidable childhood blindness worldwide. The number of infants at risk of ROP is increasing and therefore improved screening protocols are required to detect those who require treatment.

We will discuss the Auckland Regional Telemedicine ROP Network (ART-ROP) as a real-world example of the implementation of a telemedicine screening programme, with a ten-year review of over 1200 infants. Current literature will also be explored to discuss the evidence of screening protocols, and the potential future role that artificial intelligence may play, all with the goal of reducing the incidence of preventable blindness in premature infants."