

Figure S1 The structure of GAG adopted in the GAR2U-Net. GAG, global attention gate; GAR2U-Net, recurrent residual convolutional neural network with global attention gate based on U-net.

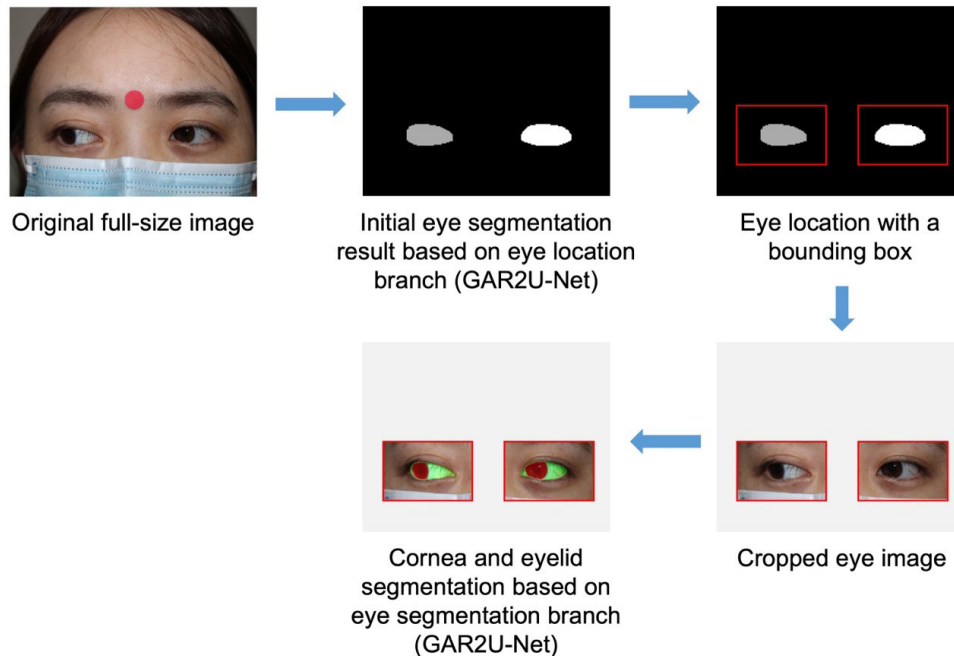


Figure S2 The workflow of eye location and eye segmentation based on GAR2U-Net. This image is published with the patient's consent. GAR2U-Net, recurrent residual convolutional neural network with global attention gate based on U-net.

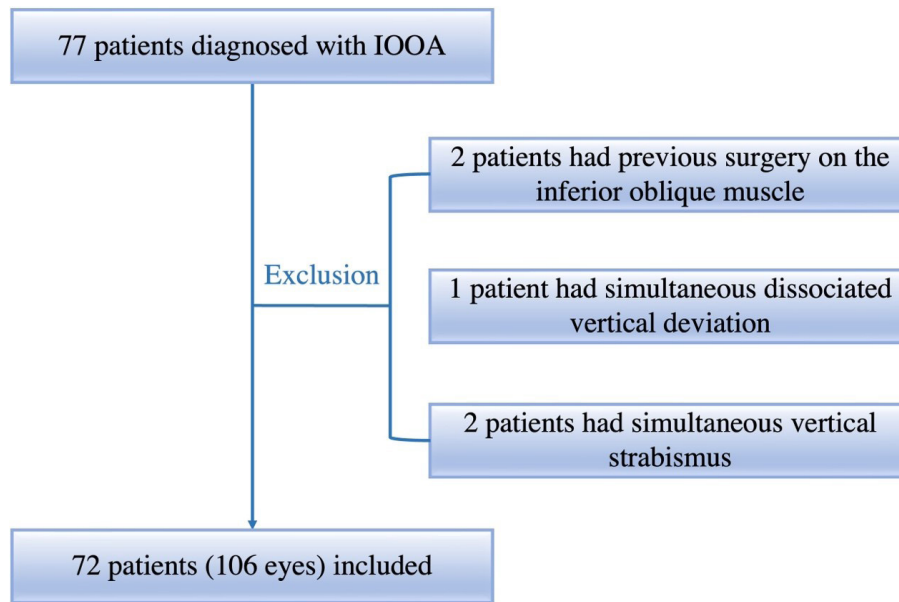


Figure S3 The flow of participants through this study. IOOA, inferior oblique overaction.

Table S1 The characteristics of the patients included in this study

Characteristics	Value
Age (years)	17.6±12.7
Gender	
Male	24
Female	48
Clinical grading of IOOA eyes	
+1	69
+2	24
+3	10
+4	3

Data are present as number or mean ± SD. IOOA, inferior oblique overaction; SD, standard deviation.