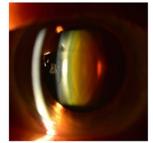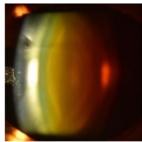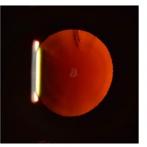**Figure S3.** Examples for results of the Region Detection Network (RDN) for slit-lamp and reto-illumination images. RDN automatically find the cataract region of images and discard the unnecessary information, which interferes with the network's prediction.
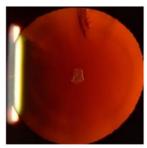

Before RDN   After RDN   Before RDN   After RDN