

Supplementary Material

Evaluation of the corneal topography based on deep learning

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Fig.S1 Decentration calculation process.

Fig.S2 Noise points in the processing division diagram.

Fig.S3 Calculation flow of effective defocusing contact range.

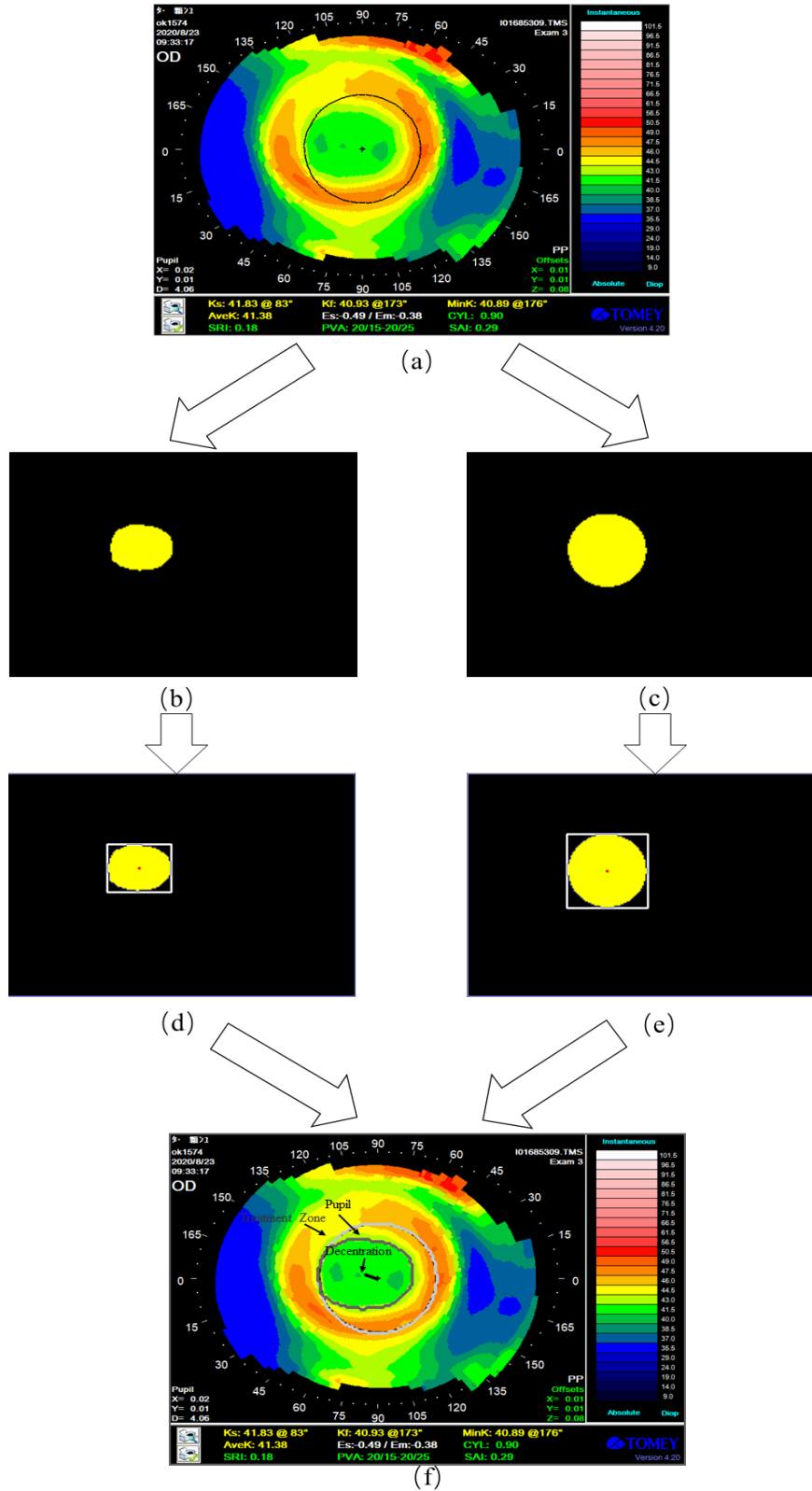
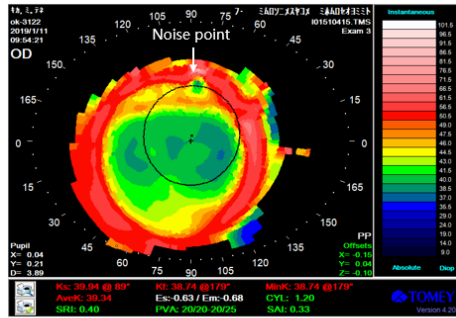
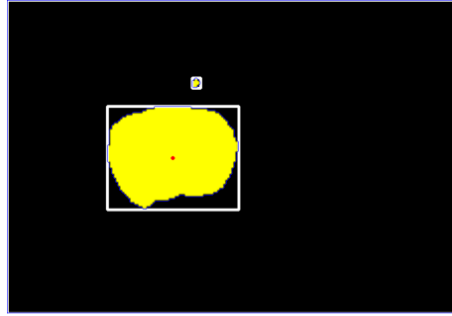


Figure S1. Decentration calculation process. (a) Original picture (b) Treatment zone after segmentation (c) Pupils after segmentation (d) Positioning the center point of treatment zone (e) Positioning the center point of pupil (f) Effect picture



(a)



(b)

Figure S2. Noise Point Processing (a) Original Figure (b) Noise Points in the Processing Division Diagram.

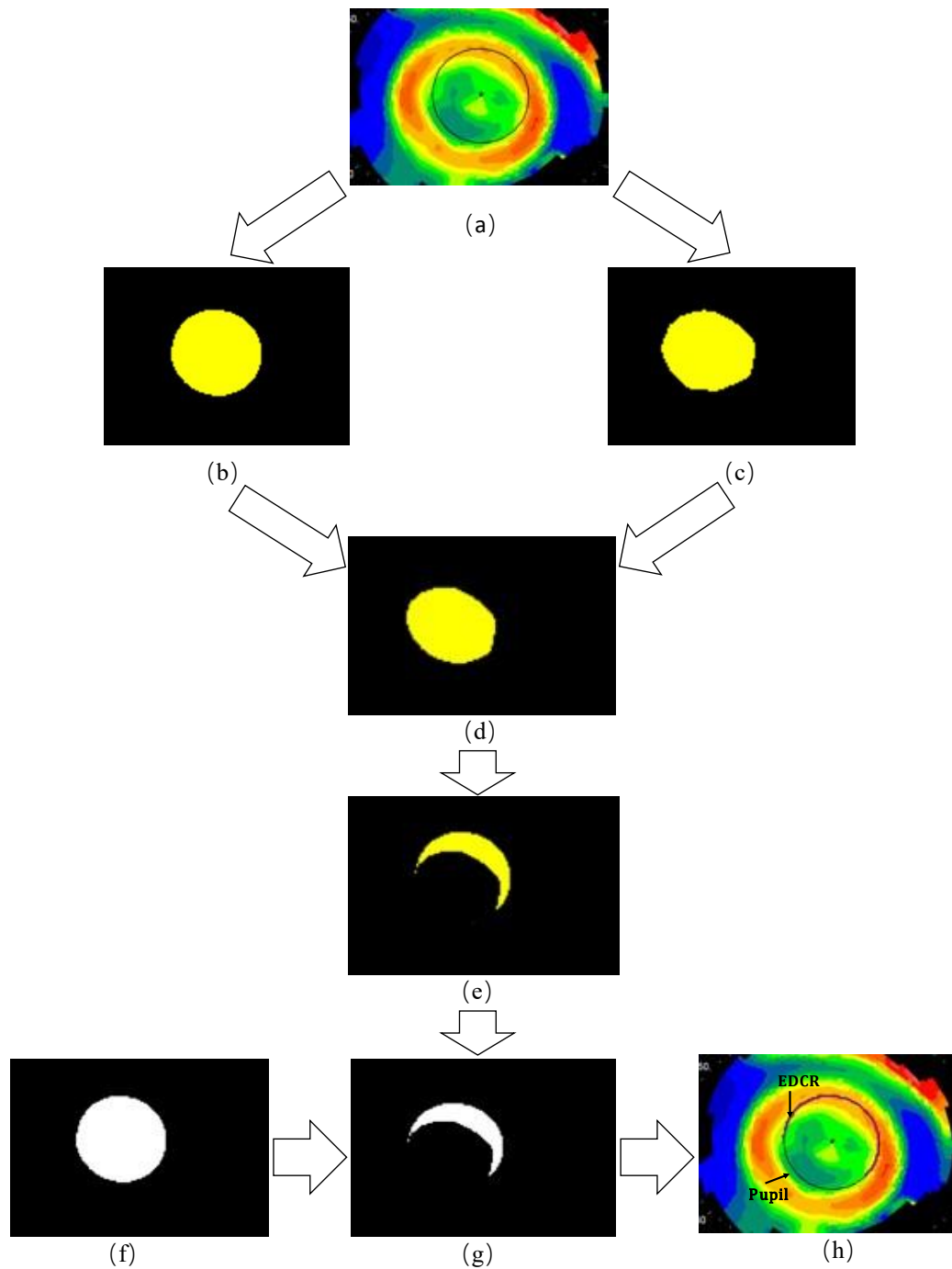


Figure S3. Calculation flow of effective defocusing contact range. (a) Original picture (b) segmented pupil (c) segmented treatment zone (d) intersection of pupil and treatment zone (e) defocused zone (f) binarization of pupil (g) binarization of defocused zone (h) effect picture