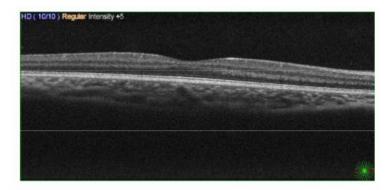
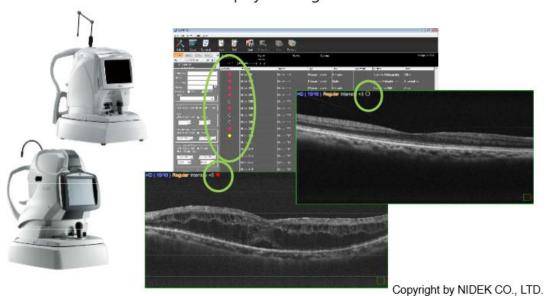


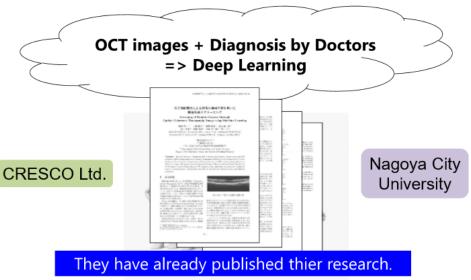
In your daily practice...



"Can you say this patient has abnormality?"

This is an optional OCT Image Screening Software for NIDEK RS-series which helps your diagnosis.



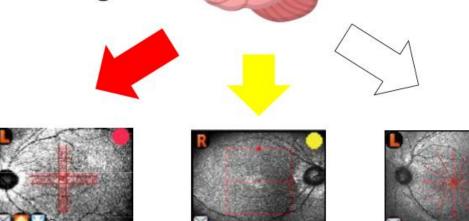


33 pathologies + normal eye

1	Normal	13	MH	25	Early AMD
2	BRVO	14	MPH	26	Impending MH
3	CME	15	MacTel Type1	27	mCNV
4	CRA	16	PCV	28	Post ope ERM
5	CRVO	17	Posterior Staphyloma	29	sRD DSM
6	CSC	18	RA	30	sRD tilted disc
7	DR	19	RAP	31	Schisis
8	DSM	20	RD	32	Unknown
9	ERM	21	RP	33	Veiled
10	Inferior Staphyloma	22	VKH	34	Wet AMD
11	LMH	23	VMTS		
12	ME	24	Dry AMD		

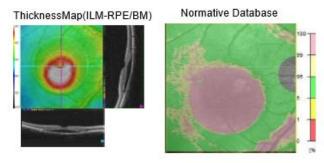
Deep Learning

Categorizes into three thresholds!

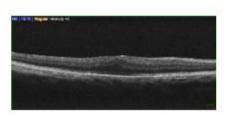


Reference Tool

NDB => retinal thickness analysis



OCT Image Screening => B-scan image analysis







Patient list display in NAVIS-EX

- Screening Result The deviation from normal eyes is large
 - The deviation from normal eyes is moderate
 - The deviation from normal eyes is small

When analysis result is blank, screening has not been executed or images are not appropriate for the screening.

This software will help...

1. Optometrists

- Providing reference to find abnormality
- Preventing missing abnormality

2. Doctors

- Preventing missing abnormality
- Economizing time and stress to see a lot of images

Screening Condition

1. Scan pattern:

Macula cross, Macula map(Map + cross), Macula multi cross, Macula radial 6/12

2. Scan length:

6.0 mm

3. Scan position: 0 or 90 degree

4. Image position:

Fovea centered



Internal trial result

Sensitivity (the value which screening software categorized abnormal eyes as • or •)

Data type	abnormal	Screening result is or	Sensitivity	L
Institutions in Japan	128	122	0.953125	
Institutions in other countries	82	79	0.963415	

Specificity (the value which screening software categorized normal eyes as °)

Data type	Number of normal eye	Screening result is o	Specificity
Institutions in Japan	74	67	0.9054
Institutions in other countries	44	44	. 1

More than 90% detectability for retinal abnormalities!!!