

AI Fundus Examination Report

Name: Yong Huang
Gender: Male

Age: 40
Physical Examination No.:8990413446804

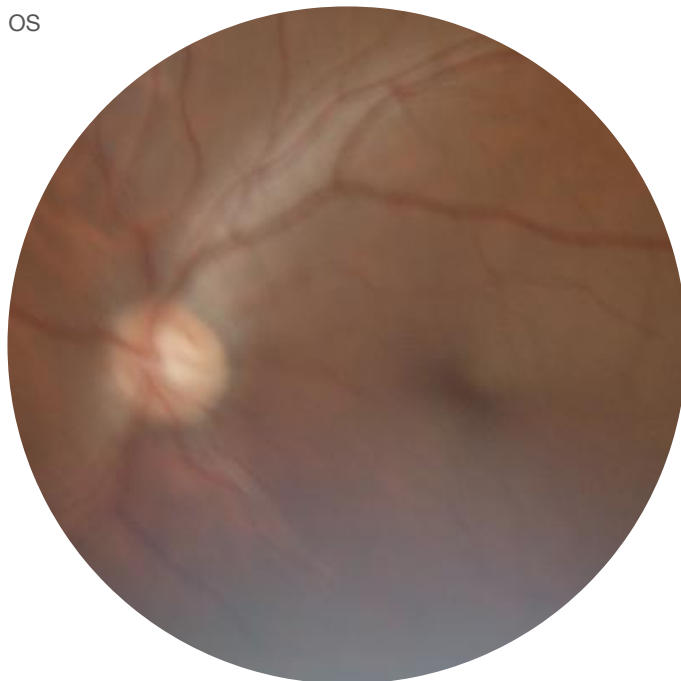
Check ID: 13595326

Check Date: 2023-10-13

OD



OS



Diabetic Retinopathy Analysis

No moderate or higher grade non-proliferative diabetic retinopathy detected, Regular follow-up recommended.

Doctor: _____ Date: _____

AI Fundus Examination Report

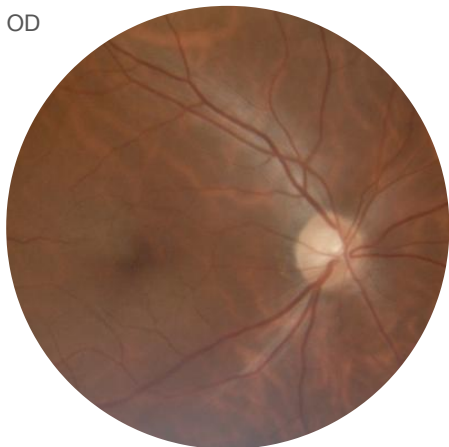
Name: Yong Huang
Gender: Male

Age: 40
Physical Examination No.:8990413446804

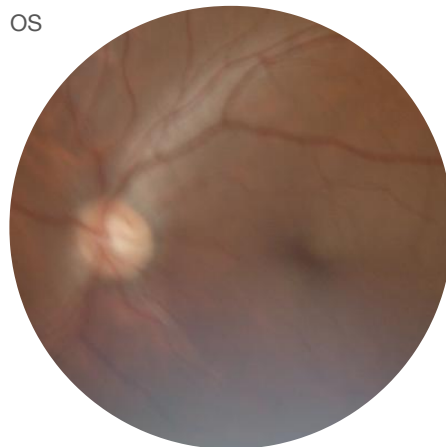
Check ID: 13595326

Check Date: 2023-10-13

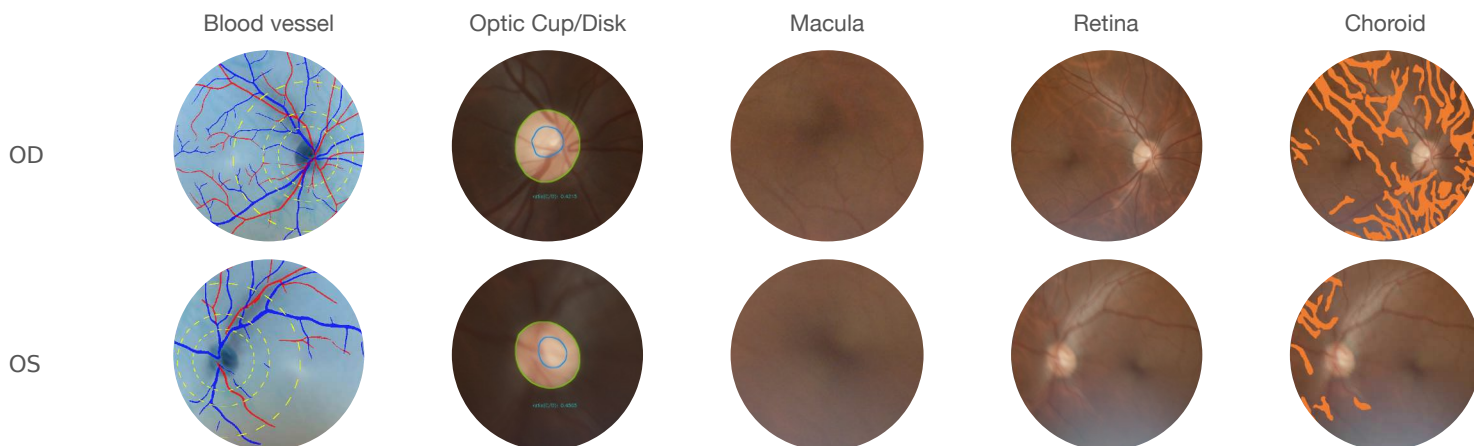
OD



OS



Retina Structure



Eye	Retinal arteriovenous ratio (AVR) in zone B Reference value : ≥ 0.67	C/D ratio Reference value : Vertical C/D < 0.5 . The difference between Horizontal and Vertical C/D (OS and OD) ≤ 0.2	Total area of drusen Reference value : 0	Total area of hemorrhage (mm ²)/ Total area of exudation (mm ²) Reference value : 0	Average density of tessellation Reference value : < 0.15
OD	0.90	0.439	0	0/0	0.296
OS	0.71	0.458	0	0/0	0.044

Retina Abnormalities Summary

No moderate or higher grade non-proliferative diabetic retinopathy detected, Regular follow-up recommended.

OD (right eye): Tessellated fundus (Severe). Retinal pigment epithelium reduction, with choroidal vessels fully exposed, resulting in severe tessellated fundus changes. Regular follow-up examinations are recommended.

OS (left eye): Tessellated fundus (Mild). Retinal pigment epithelium reduction, faintly exposed choroidal vessels is visible, resulting in mild tessellated fundus changes. Regular follow-up examinations are recommended.

Follow-up Recommendations

The current situation is fine, and regular review is recommended. Suggest to review in: December, 2023. The suggested follow-up date serves as a general reference; the specific follow-up timing should be determined by the doctor and patient, based on individual circumstances.

Quantitative Analysis of Retina Features

Hemorrhage And Exudation

Lesion Type	OD (right eye)							OS (left eye)						
	Total area(mm ²)	Maximum area(mm ²)	Number				Total	Total area(mm ²)	Maximum area(mm ²)	Number				Total
			TS	TI	NS	NI				TS	TI	NS	NI	
Hemorrhage	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exudation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soft/Hard exudates	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Drusen	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Reference value : 0

Vascular Measurements

Vascular Measurements	OD (right eye)	OS (left eye)
Central retinal artery equivalent (CRAE) in zone B(PD)	0.028	0.021
Central retinal vein equivalent (CRVE) in zone B(PD)	0.031	0.029
Retinal arteriovenous ratio (AVR) in zone B	0.90	0.71

Reference value for retinal arteriovenous ratio(AVR) in zone B : ≥0.67

Optic Nerve Measurements

Content	OD (right eye)		OS (left eye)	
	Horizontal	Vertical	Horizontal	Vertical
Optic cup diameter(μm)	648	655.9	535	581.7
Optic disc diameter(μm)	1326	1494	1230	1270
Disc cup ratio	0.49	0.439	0.43	0.458

Reference value : Vertical C/D <0.5. The difference between Horizontal and Vertical C/D (OS and OD) ≤0.2

Myopia-related Measurements

Content	OD (right eye)	OS (left eye)
Myopic conus to optic disc area ratio	0.179	-
Myopic conus diameter (PD)	0.337	-
Average density of tessellation	0.296	0.044

Reference value for myopic conus diameter: ≤ 0.1 PD

Reference value for average density of tessellation <0.15

"-" It may be that the image quality does not meet the quantitative calculation requirements, and the value may not be able to be successfully calculated.

Potential Disease Assessment Report

Name: Yong Huang

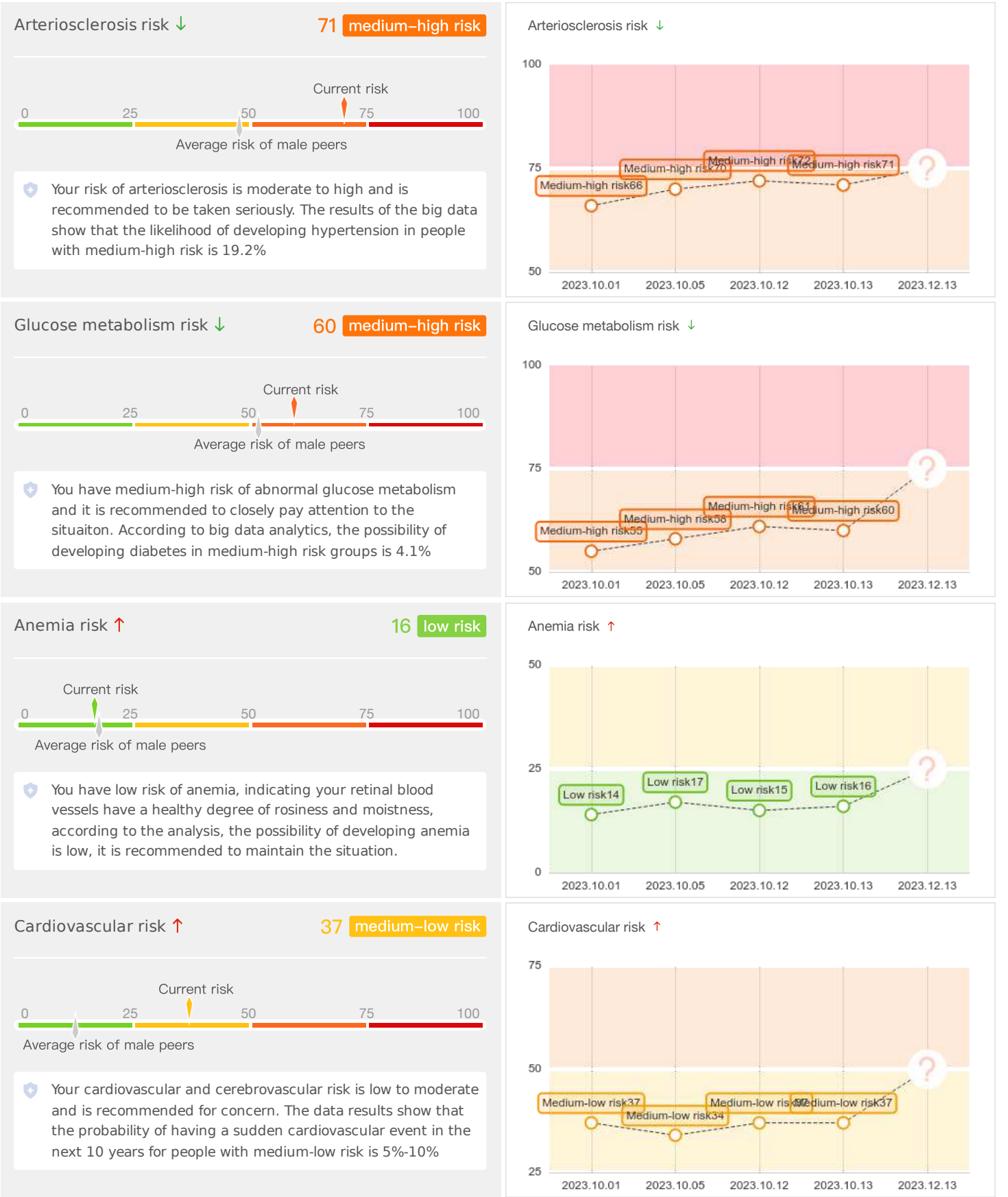
Age: 40

Check ID: 13595326

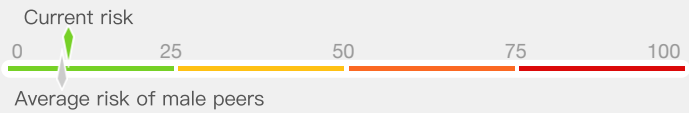
Check Date: 2023-10-13

Gender: Male

Physical Examination No.:8990413446804

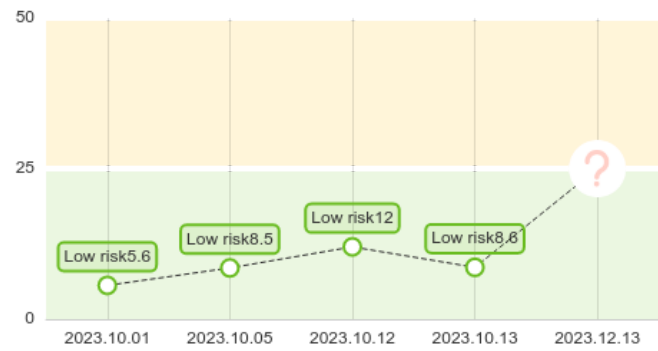


Cognitive impairment risk ↓ 8.6 low risk

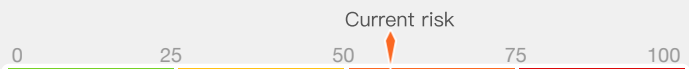


You have low risk of cognitive impairment and it is recommended to keep maintaining the situation

Cognitive impairment risk ↓

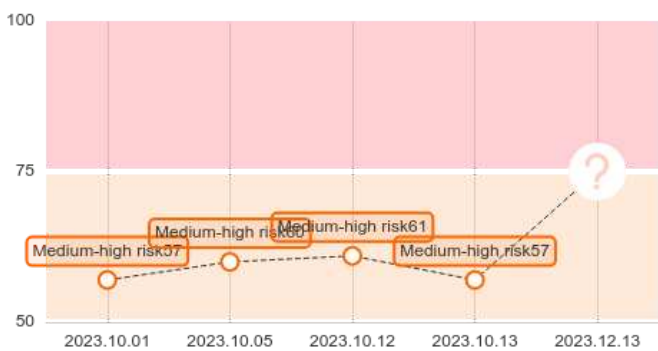


Macular vision impairment risk ↓ 57 medium-high risk

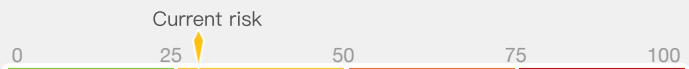


You have mediu-high risk of macular vision impairment, indicating prominent changes in macular area, which may affect vision if the conditions keeps progressing. It is recommended to monitor the risk regularly and take supplements for anti-blue light, such as lutein, to delay macular damage.

Macular vision impairment risk ↓

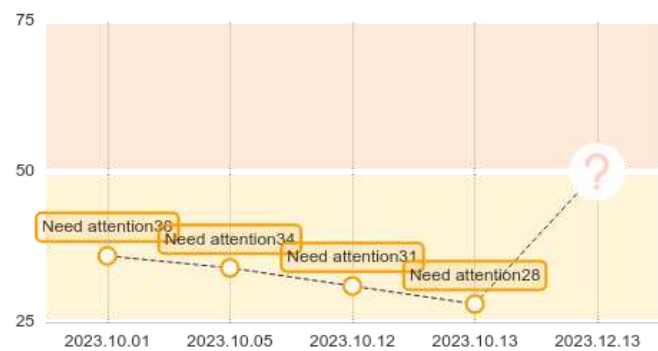


Inhalable particulate matter risk ↓ 28 need attention

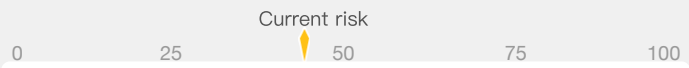


You need to pay attention to your inhalable particulate matter risk, indicating that based on your current condition, there is certain risk of getting harmful impacts by inhalable particulate matter, it is recommended to monitor your situation.

Inhalable particulate matter risk ↓

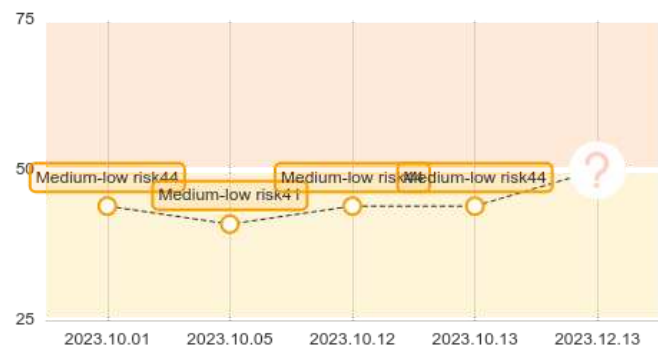


Sudden cardiac death risk ↑ 44 medium-low risk



You have medium-low risk of sudden cardiac death, indicating there is possibility of encountering sudden cardiac death due to the risks mentioned above is low in the near future, and it is recommended to keep an eye on the situation.

Sudden cardiac death risk ↑



Brain tumor risk

low risk



⛶ You have low risk of brain tumor, indicating no clinical characteristics of high likelihood of brain tumors development found in the retinal image, currently there is very low possibility of brain tumors, it is recommended maintain the situation.