

Social Value of Disability

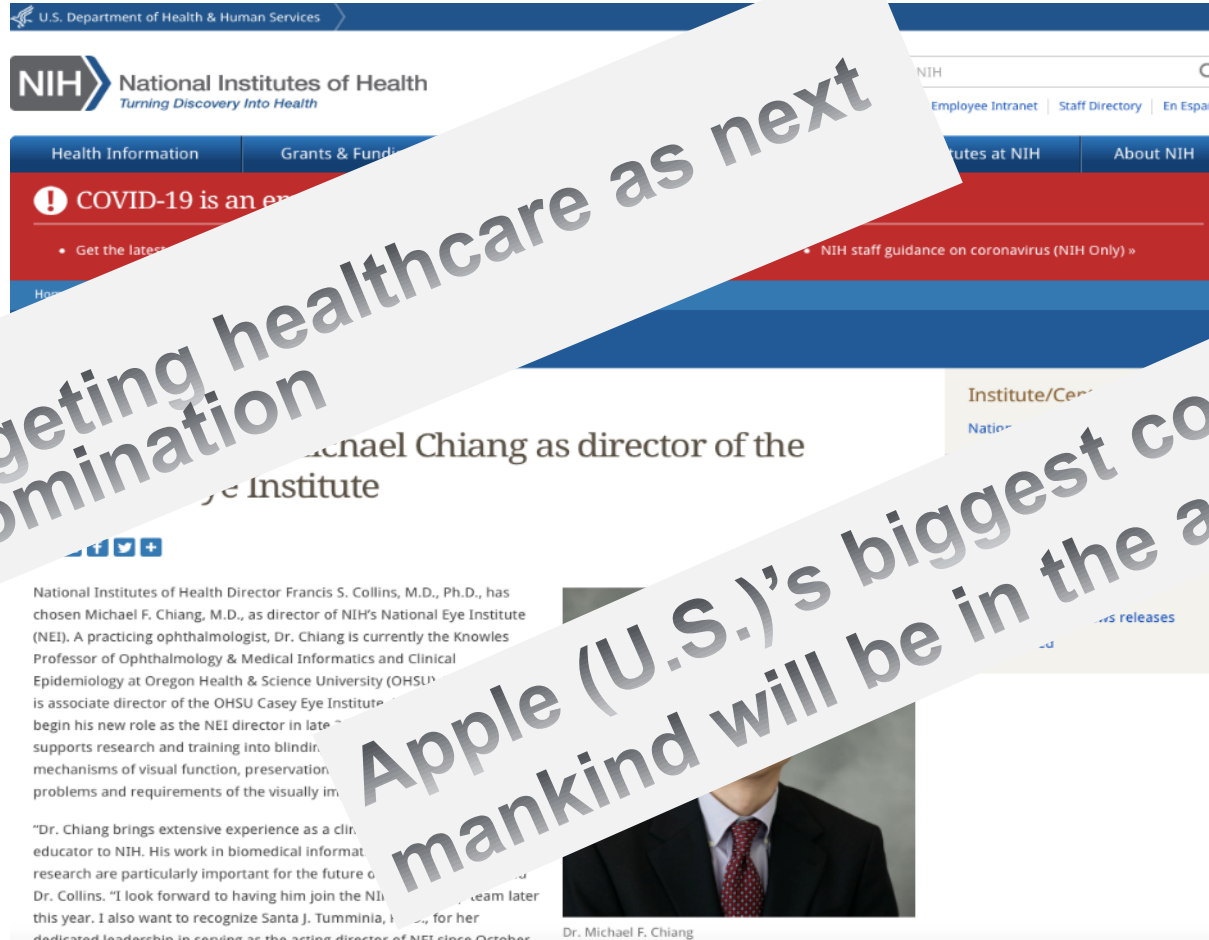


Masayo Takahashi, M.D., Ph. D.
Vision Care Inc.
Kobe City Eye Hospital

Nation Eye Institute @NIH new director

His work in **biomedical informatics and telehealth research** is particularly important for the future of vision research

July 2020



May 2018
Google targeting healthcare as next
area for domination

Apple (U.S.)'s biggest contribution to
mankind will be in the area of health

大医	中医	小医
Superior doctors	Mediocre doctors	Inferior doctors

「小医は病を医す

中医は人を医す

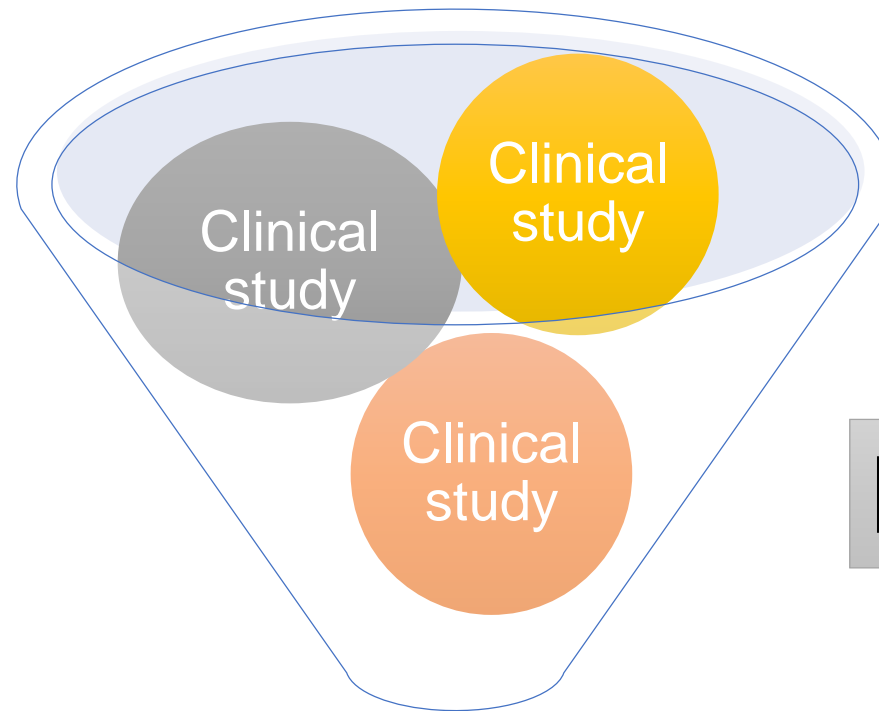
大医は国を医す」

The inferior doctor treats the illness
The mediocre doctor treats the people
The superior doctor treats the country

This is a quotation from *Xiaopin Fang* by Chen Yanshi written during the **Six Dynasties Period**, apparently originating from 「上医医国、其次医人」 (A superior doctor treats the ills of the country. Treating illnesses of individuals comes second), contained in an ancient Chinese text *Guoyu* (Discourses of the State, Jin Yu 8)

Regenerative medicine

Categorized medicine

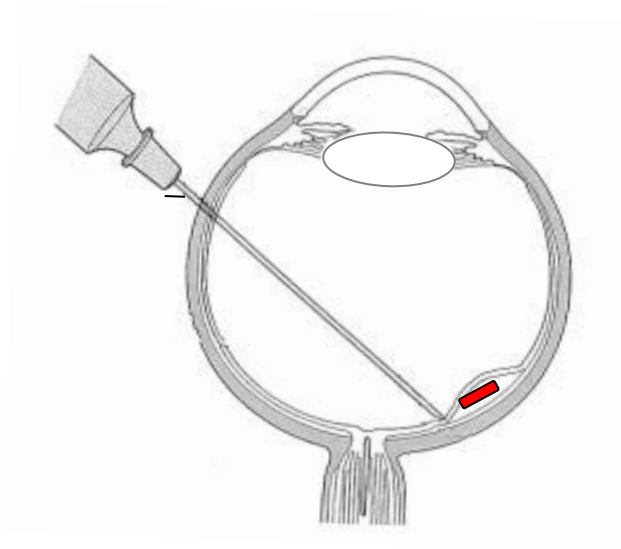


B to B

Clinical trial

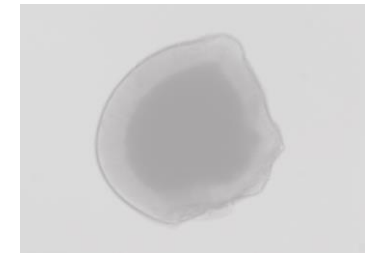
B to C

Approval

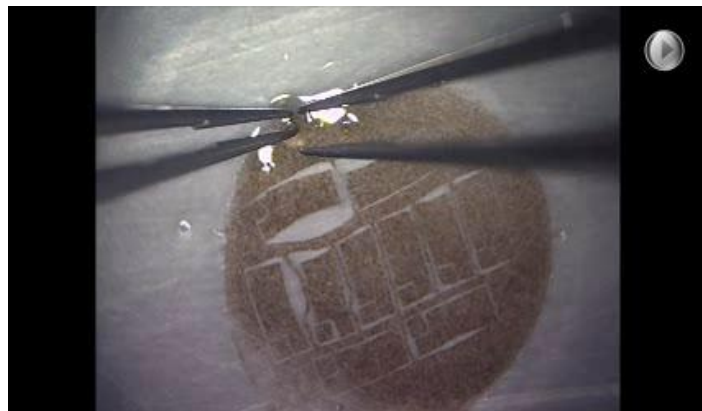


RPE sheet

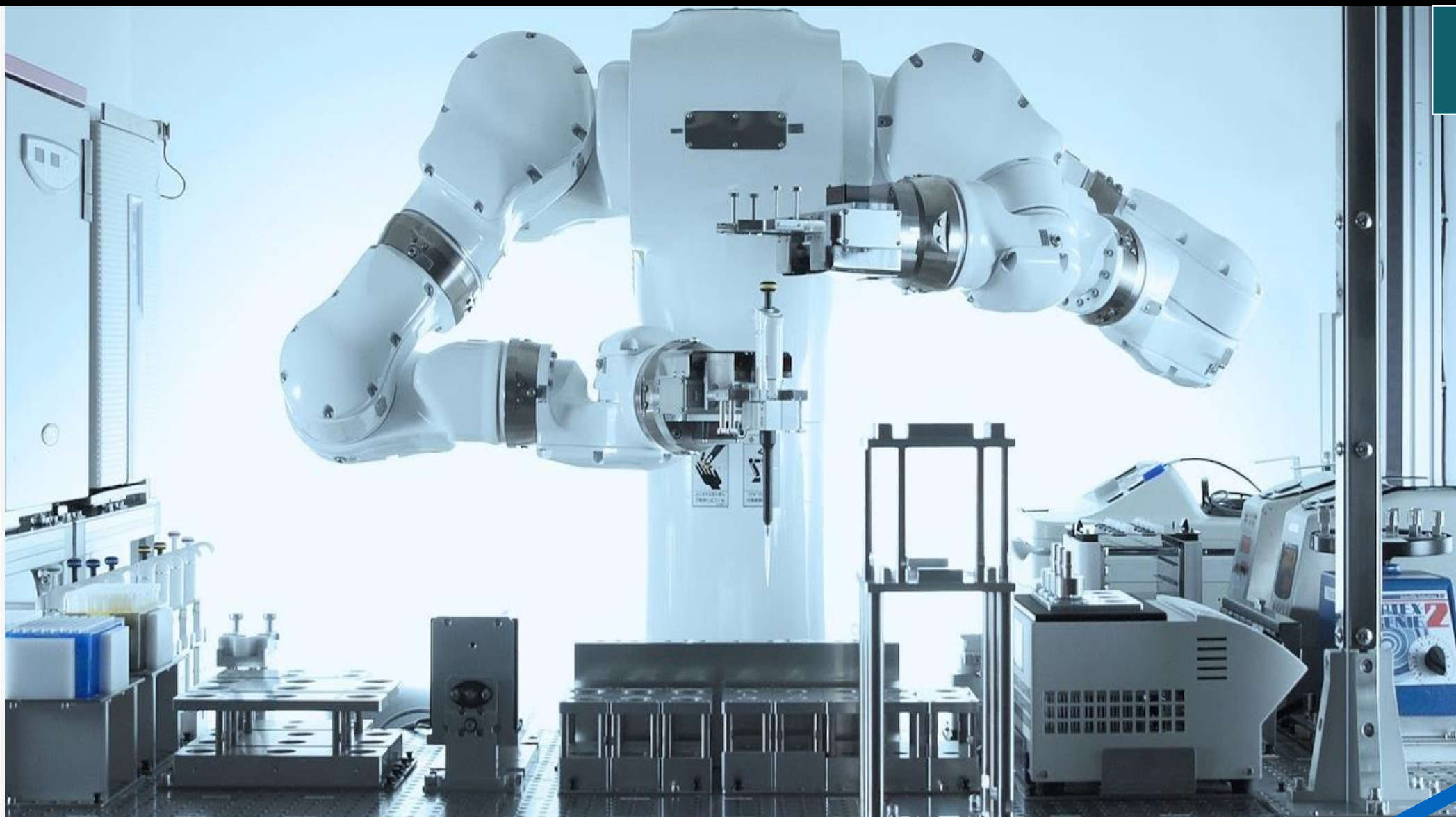
photoreceptor



RPE strip



Robotic Biology LabDroid - Mahoro



Form of corporation

	Corporation field	Outcome
2D	Cell production sales corporation Pharmaceutical model	Cell
3D	Retinal cell treatment (Medical device model?)	Healthcare
4D	Retinal treatment general trading company Unknown model	Society

Aiming to become 4D corporation



Kobe City Eye Hospital



Architect Mr. Kentaro Yamazaki
Book Director Mr. Yoshitaka Haba

Park: Anyone can come enjoy!
Entrance floor Vision Park



IDEA / GOOD DESIGN AWARD

VISION PARK

Kobe City Eye Hospital entrance

NEXT VISION floor



Linking medical care and welfare. Aiming for true inclusivity



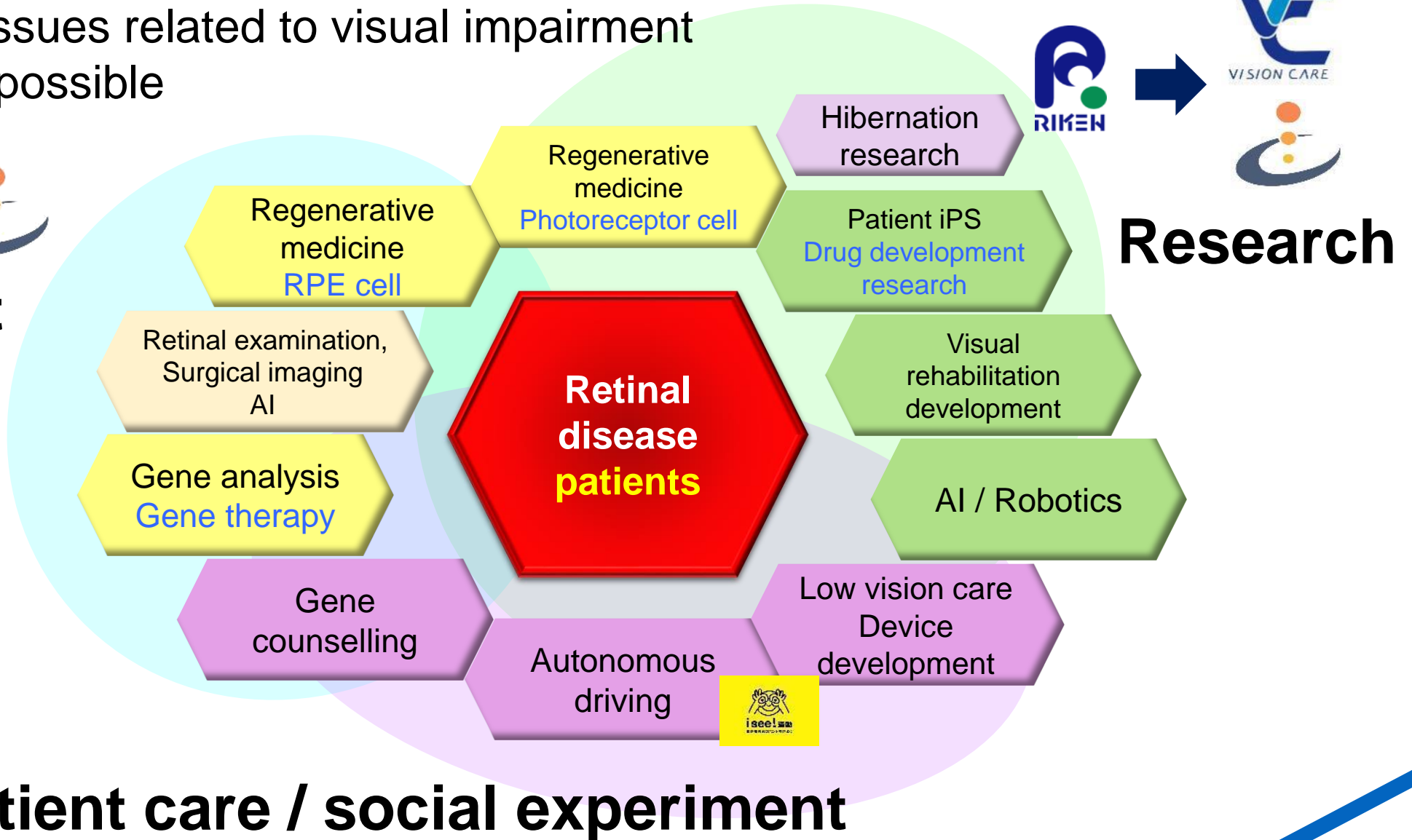
- Gap between medical and welfare
Referrals 10% → almost 100%
- Doctors appreciate VISION PARK
- Disabled individuals unrecognized from welfare perspective. There are gradations to disability
- Risk of narrowing treatment options unless care provided
- Breaking down silos, building horizontal relationships.
Patient-centric
- Learn the value of disability
- From providing welfare to true inclusivity

mental relief / satisfaction = medical goal

Kobe City Eye Hospital Plan

Resolve the issues related to visual impairment by all means possible


Treatment

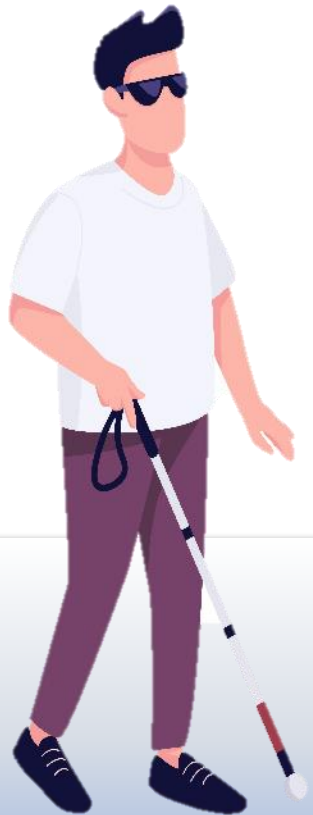


Transforming the image of visual impairment

2016

NHK barrier-free variety
vs
24H TV

Inspiration porn



2021

TV drama



Daily life of the disabled
Natural love of a disabled girl
and a punk boy



Period when the disabled were ignored



Period when the disabled were protected



Enter era of true inclusivity where people live together

NEXT VISION



**Immediate eliminating vision loss is difficult,
but can eliminate despair**

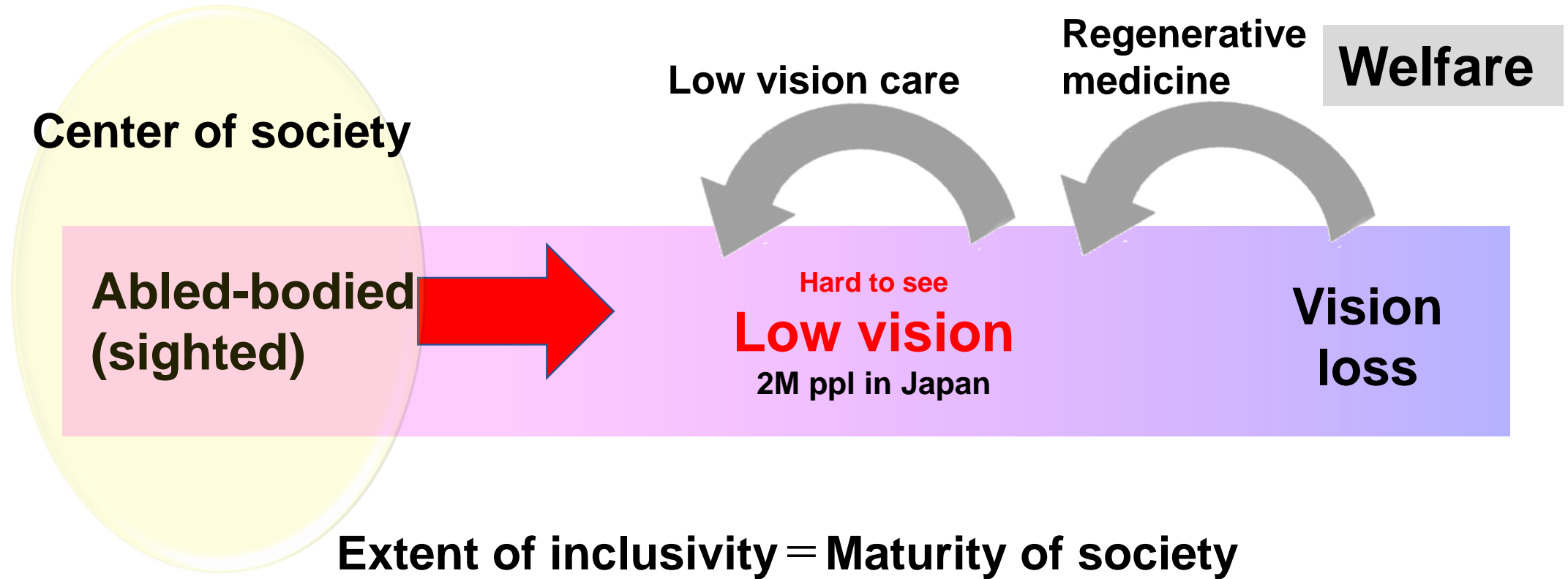
Digital low vision care



Research Center for Advanced Science and Technology, the University of Tokyo /
Department of Ophthalmology, Tokyo Medical University / Occupational physician / Studio Gift Hands CEO
Taku Miyake, M.D., Ph.D.



Disability gradation



True inclusivity: Also friendly to the abled-bodied

Serenity Prayer

SERENITY to accept the things **I cannot change**

Regenerative medicine does not completely restore.

Must Give up on the ability to see well

COURAGE to change the things **I can**

Low vision care allows you to read and write.

Do not give up on literacy

WISDOM to know the difference

Regenerative medicine is an initiative to address heretofore unchangeable natural providence,
by courage of human wisdom.

When Society widely accepts the fact that there are destinies we cannot change despite all
efforts, it will play out beautifully

A wide-angle landscape photograph showing a calm sea reflecting a bright blue sky with scattered white clouds. The horizon line is perfectly straight and divides the image into two equal halves. The water is very still, creating a clear mirror image of the sky above. The overall mood is peaceful and serene.

Thank you !