

# EYAS-Digital Cognitive Rehabilitation Solution

EYAS CATALOG

## Digital Cognitive Therapy Technology



**ADHD**



**Dementia**

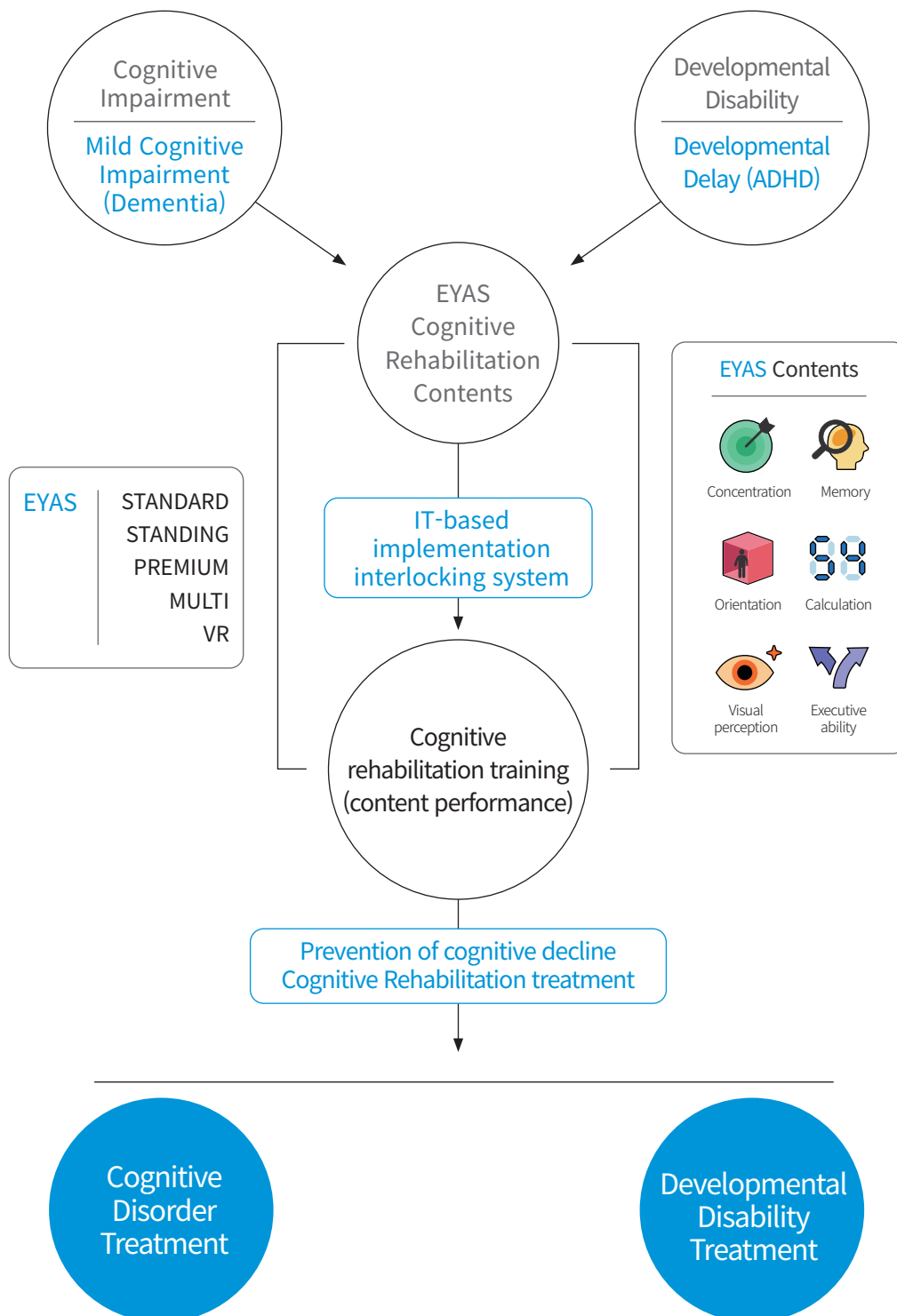
- ISO 13485 Certification of Quality Management System for Medical Devices
- KGMP Certification

**InTheTech**

# EYAS-Digital Cognitive Rehabilitation Solution

Based on cognitive science and brain science, it is a digital cognitive rehabilitation training content for each IT-based area to provide cognitive rehabilitation treatment and cognitive decline prevention for cognitive impairment and cognitive decline risk groups and an interlocking system to implement them

## EYAS Summary



# EYAS-Digital Cognitive Rehabilitation Solution

## Key Contents

### Digital Cognitive Rehabilitation Solution



**EYAS Silver**  
- Cognitive Impairment  
(Dementia)



**EYAS Children**  
- Developmental Delay  
(ADHD)

Designed to provide the most suitable cognitive rehabilitation for users through cognitive rehabilitation contents for each of six areas



Concentration



Memory



Orientation



Calculation



Visual perception



Executive ability

### The Representative Model of EYAS



#### EYAS Premium

Medical device approval completed (No. 21-1110)

Ministry of Food and Drug Safety

### EYAS Technology Excellence 7 patents related to cognitive rehabilitation

Audio-visual Linked Cognitive Training System and Method - Patent

The world's first technology to link user gaze information with cognitive training system



## Types of EYAS

**EYAS**

- STANDARD
- STANDING
- PREMIUM
- MULTI
- VR

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- **Cognitive Impairment** (Dementia)



**EYAS Children**  
- **Developmental Delay**(ADHD)

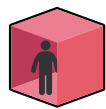
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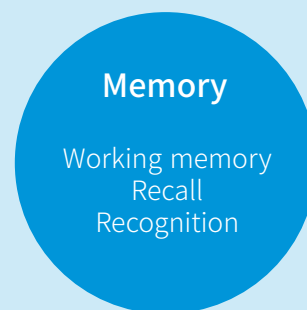
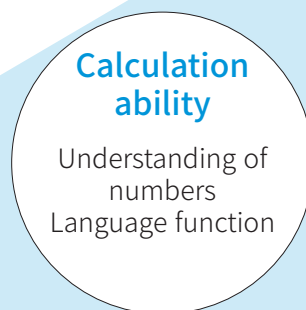
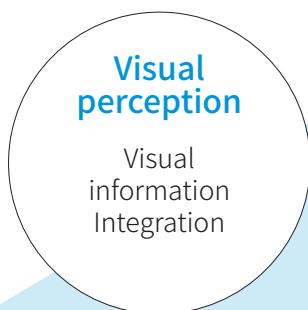
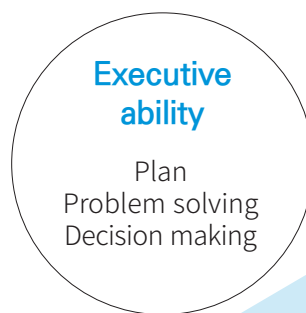
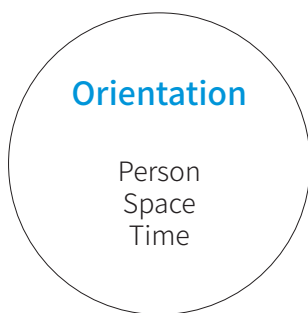
Calculation



Visual perception



Executive ability

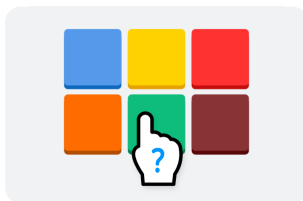


# EYAS-Digital Cognitive Rehabilitation Solution

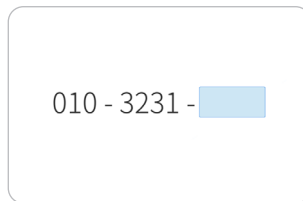
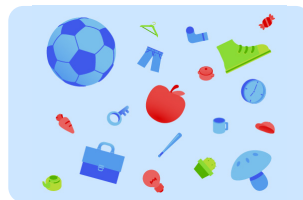
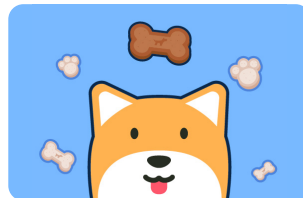
Cognitive rehabilitation contents for 6 areas: concentration, memory, orientation, execution, visual perception and calculation ability

## Contents By Area

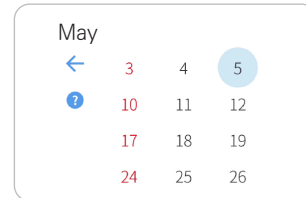
### Concentration



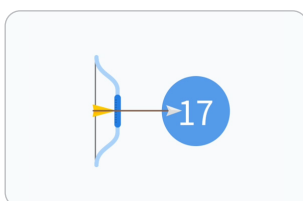
### Memory



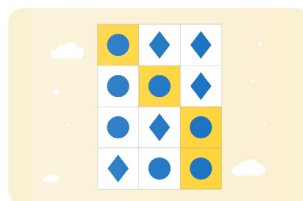
### Orientation



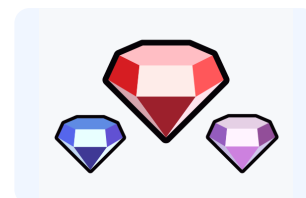
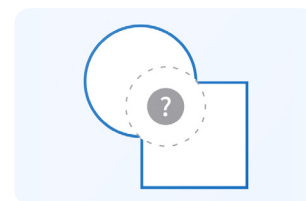
### Calculation ability



### Execution



### Visual perception



EYAS Technology Excellence  
EYE - LINK SYSTEM

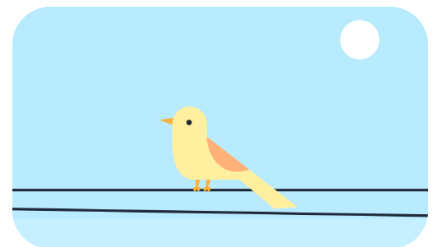
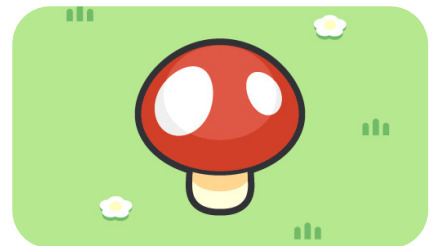
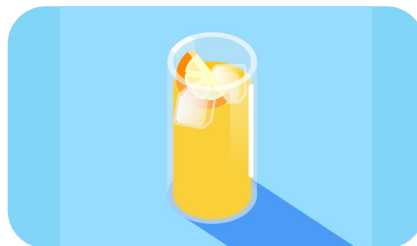


## EYE LINK SYSTEM

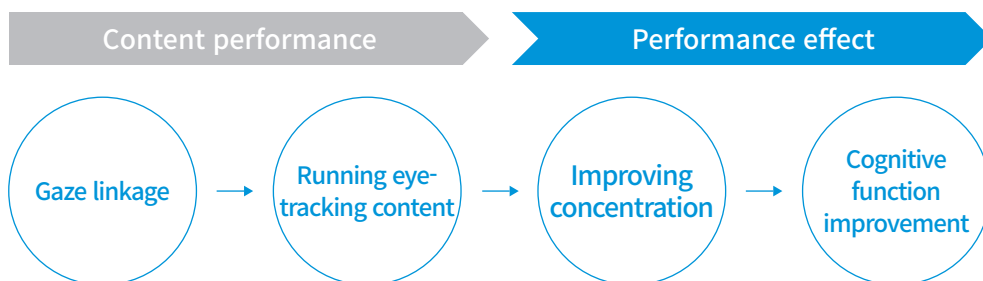
The world's first technology to link user gaze information with cognitive training system

Audio-visual Linked Cognitive Training System and Method - Patent

### Snapshot



Digital-based concentration training system accompanied by eye tracking and eye movement



## EYAS-Digital Cognitive Rehabilitation Solution

Technology-based cognitive training and rehabilitation interventions for individuals with mild cognitive impairment: a systematic review.



The results of computerized cognitive rehabilitation treatment were collected and analyzed for patients with mild cognitive impairment with a high probability of progressing to dementia, and their effectiveness was verified through systematic statistical analysis.

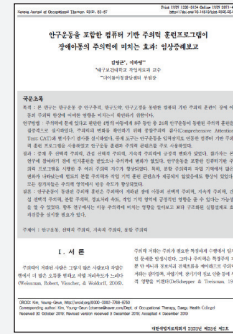
Ge, S., Zhu, Z., Wu, B., & McConnell, E. S. (2018). BMC geriatrics, 18(1), 213.

The effect of computer-based attention training program including eye movement on attention in children with disabilities: a clinical case report



Four children who were judged to have problems with concentration were trained on computer-based concentration accompanied by eye movements to verify the positive potential of four types of concentration, information processing, and working memory.

Kim Young Geun, & Lee Ha Young. (2020). Journal of Korean Occupational Therapy, 28(2), 53-67



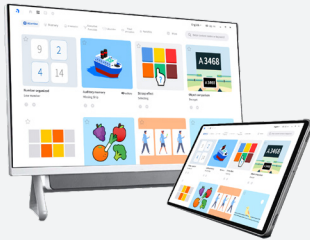
## 7 patents related to cognitive technology based on advanced technology



Registration Number	Patent
10-2180741	Cognitive impairment rehabilitation treatment device
10-1971937	Mixed reality-based cognitive training system and method for the elderly
10-1961844	Augmented reality-based cognitive training occupational therapy table device and occupational therapy method
10-1934019	Mixed reality-based cognitive training system and method for the elderly
10-1918631	Mixed reality-based cognitive and learning concentration evaluation and training feedback system
10-1881092	Audiovisual Linked Cognitive Training System and Method
10-1244818	Online-based cognitive dysfunction assessment service method and system

## Types of EYAS

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### EYAS Standard

A digital cognitive rehabilitation solution designed to provide optimal cognitive rehabilitation training for users who need cognitive rehabilitation treatment and cognitive decline prevention



### EYAS Standing

A portable type cognitive rehabilitation solution that can adjust the height to fit the sitting height and has less space restrictions in the form of a kiosk



### EYAS Premium

The only chair-combined premium solution in Korea that enables customized training for various body types of users



### EYAS Multi

Multi-cognitive rehabilitation designed to enable managers to train cognitive rehabilitation for a large number of recipients using remote functions



### EYAS VR

A virtual reality cognitive rehabilitation solution that allows users to experience real life and various experiences using virtual reality



# EYAS-Digital Cognitive Rehabilitation Solution

**Model**  
Introduction

**EYAS Standard**



EYAS Standard ( PC )

EYAS Standard ( Tablet )

## Optimized usability

- Profile card method for convenient login of users
- Multilingual function to select the user's local language
- Result screen to check the user's training results and trends in a schematic form
- Guide video to guide you on how to perform content
- Ability to save and list frequently used content by users
- Provide supervised learning for continuous training by creating a training curriculum

## EYE – Link System

- Parallel visual movement through the user's gaze and system linkage  
(Eye tracking - to maximize brain stimulation through the trainee's eye movement by visual exercise)
- Audiovisual interlocking cognitive training system and method - Patent No. 10-1881092

# EYAS-Digital Cognitive Rehabilitation Solution

**Model**  
Introduction

**EYAS Standing**



## Positioning System

- The height can be adjusted according to the user's sitting height
- Less space constraints in kiosk form
- Available to wheelchair users
- Built-in eye tracker and speaker eliminate the need to connect to other equipment
- Portable type with wheels to minimize movement of trainees (with limited mobility) in a hospital room

※ (with EYAS Standard function)

## EYE - Link System

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# EYAS-Digital Cognitive Rehabilitation Solution

**Model**  
Introduction

**EYAS Premium**



**Medical device approval completed (No. 21-1110)  
Ministry of Food and Drug Safety**

## **Positioning System**

- Provide customized postures optimized for various users
- Overcoming the limitations of the user's various physical conditions and behaviors  
(Up-down / front-rear / chair with adjustable backrest angle)
- Available for wheelchair users as well

※ (with EYAS Standard function)

## **EYE - Link System**

- Parallel visual movement through the user's gaze and system linkage  
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# EYAS-Digital Cognitive Rehabilitation Solution

**Model**  
Introduction

**EYAS Multi**



## 1:N System

- Multi-advanced system where one administrator can guide and manage multiple users
- Login/Logout by user through administrator PC
- Different performance contents can be specified for each user
- Administrators can monitor each user's performance and results in real time
- Additional extension function of user PC to basic (1 administrator PC: 2 user PCs) (1:2 > 1:3 > 1:4 > 1:5...)

## Personal information protection system

- The function of covering user information to protect user personal information

※ (with EYAS Standard function)

## EYE - Link System

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(Eye tracking - to maximize brain stimulation through the trainee's eye movement by visual exercise)
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# EYAS-Digital Cognitive Rehabilitation Solution

**Model**  
Introduction

**EYAS VR**



## Monitoring System

- Check in the same real-time screen manager UI that the user is viewing
- Recipient can check the level of content performance even if you are not in the same space as the user

## Remote Control System

- User content progress/end can be controlled from the admin UI
- The user's VR location can be moved in a specific direction from the outside
- By using the movement control function, it is possible to smoothly progress the contents of the trainee who has difficulty moving the body

## Leveling System

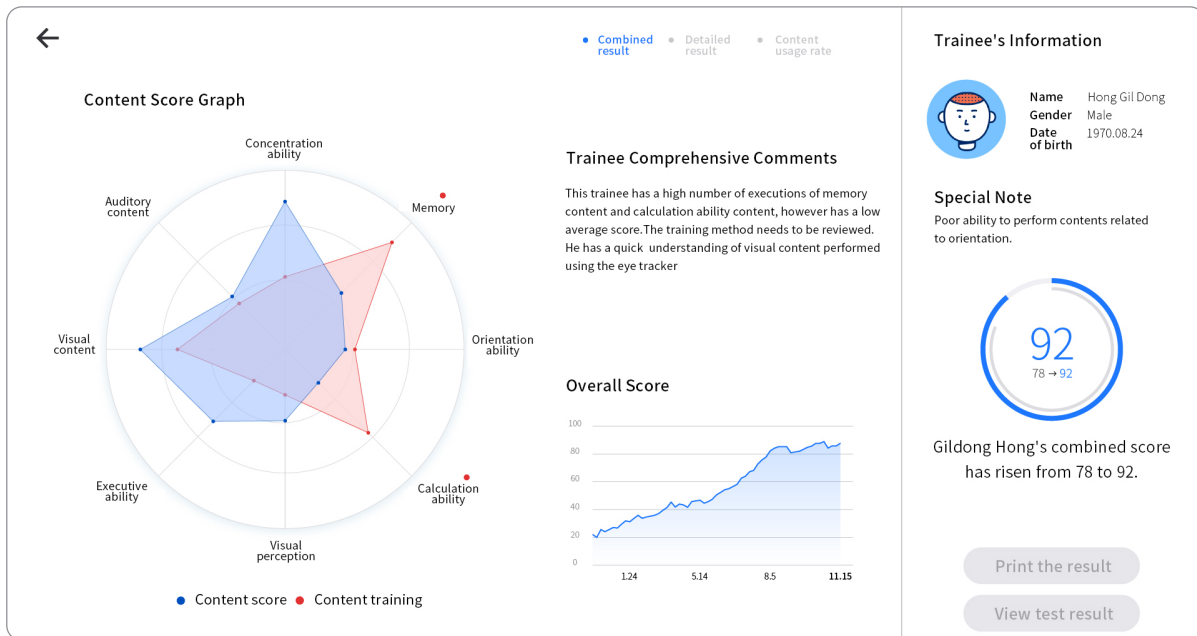
- Automatically adjust the difficulty level of content according to the user's performance ability

## Attentional Management

- If the user's ability to perform content decreases due to a decrease in concentration, the content will be improved

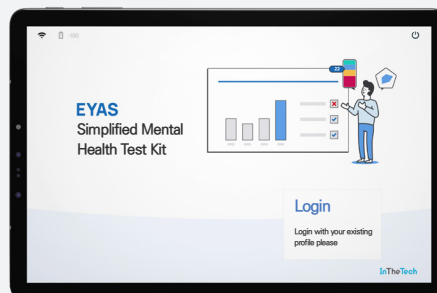
## Provides effective training through intuitive results and training result feedback

Intuitive training history comparison analysis through graphs Enables to check the cumulative training performance trend for each area/Function to print and save training results



## Evaluation Program

## Simplified Cognitive Assessment Program

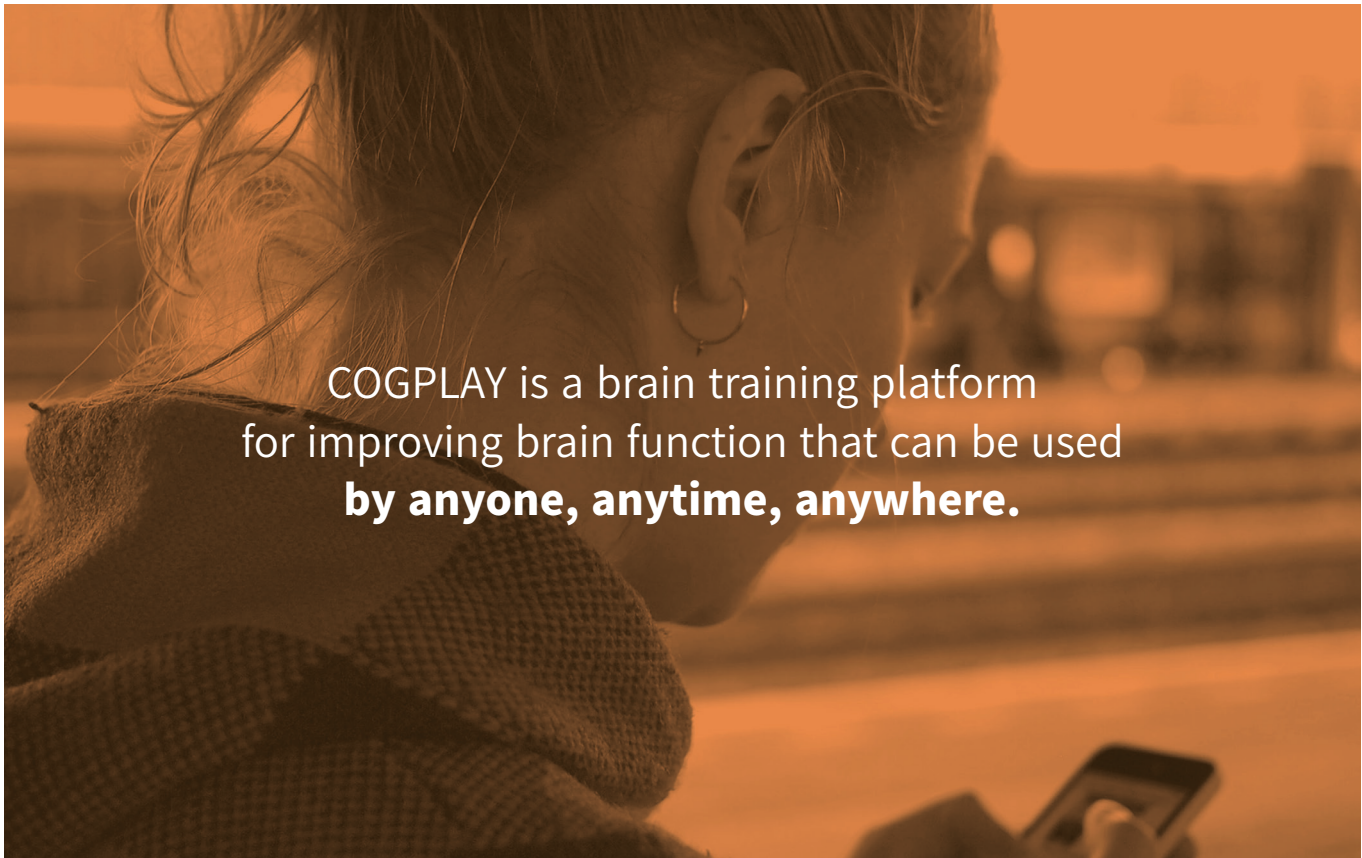


A dementia screening test solution that can easily evaluate the prevalence of dementia through a simple cognitive evaluation program and store and print the results in various formats

Systematic management of diagnosis results

Efficient feedback

Various printing methods



Cog-Play is a brain training platform optimized for brain function improvement.

It is planned by proven cognitive experts and provides optimized brain training contents based on brain science and cognitive science.



Cog-Play is with you.





about EYAS



about InTheTech

**EYAS** Designated as an excellent procurement product

EYAS will be with you for your better tomorrow



**InTheTech**

**Product Inquiry**

**+82 53 291 6557**

KGMP Certification | Venture Company Certification | Research Lab Company Certification | ISO 9001 Certification | ISO 13485 Certification | GS Certification Grade1 | Cognitive Rehabilitation Company | Dementia Overcoming Leading Company | Daegu Pre -Star Company Selection | Medical Device Specialized Company | Management Innovation SME (Main-Biz) | Technology Innovation SME (Inno-Biz)