

 **YUH&JIH INDUSTRIAL**  
Care at Every Step

## SMART ORAL TRAINER

- ✓ Made in Taiwan. Quality You Can Trust
- ✓ Biocompatible Pneumatic Sensing with Precise Positioning for Accurate Measurements
- ✓ Interactive Game-Based Training to Enhance User Engagement
- ✓ App-Integrated Monitoring for Timely Training Adjustments



**PATENT NO. I884892**



### CLINICAL-INDUSTRY COLLABORATION

Co-developed with Kaohsiung  
Municipal Siaogang Hospital to  
meet real-world clinical needs



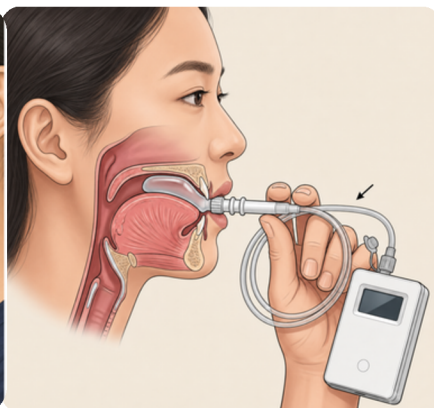
### INTEGRATED ASSESSMENT & TRAINING

Real-time tongue strength  
measurement and visual feedback  
training help improve rehabilitation  
engagement



### REMOTE CARE

**Bluetooth Data Sync via App**  
Training data can be stored on mobile  
devices, allowing healthcare  
professionals to remotely monitor  
progress and support home-based care



鈺記企業股份有限公司  
YUH&JIH INDUSTRIAL



咀嚼吞嚥機能重建中心  
Multidisciplinary Swallowing Center

  
LIGHT PRESS  
PRECISE  
SENSING

  
REAL-TIME  
FEEDBACK

  
EASIER, MORE  
ENGAGING  
REHABILITATION

**We Welcome Collaboration and Distribution Partners Worldwide!**  
*Smart Care for Every Step Forward*

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CITY, TAIWAN



# Using the "Digital Oral Swallowing Assessment and Training System" to Assess Tongue Pressure Range and Guide Swallowing Therapy Intervention

## Description

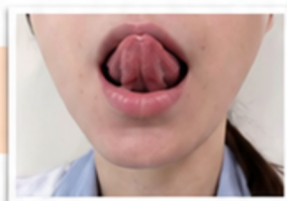
The digital swallowing training system evaluates tongue pressure for rehab planning. Normal adults reach 40–60 kPa; older adults should reach at least 30 kPa. Values below 30 kPa may affect swallowing.



## Speech Therapy Tongue Training

| Mild Tongue Pressure Insufficiency (15-20 kPa)                                                                                                                                                                                                                  | Moderate Tongue Pressure Insufficiency (10-15 kPa)                                                                                                                                                                                                                                   | Severe Tongue Pressure Insufficiency (Below 10 kPa)                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Frequency:</b> 2-3 times daily for tongue muscle exercises.</p> <p><b>Session Details:</b> 10-15 minutes each session. Include movements like pressing the tongue tip against the upper palate, hold for a few seconds and relax, repeat 10-15 times.</p> | <p><b>Frequency:</b> 3-4 times daily for tongue rehabilitation training.</p> <p><b>Session Details:</b> 15-20 minutes each session. Increase range of motion of the tongue, e.g., tongue extension, extension, side-to-side movement, and upward/downward lip-licking movements.</p> | <p><b>Frequency:</b> 4-5 times daily for professional rehabilitation training.</p> <p><b>Session Details:</b> 20-30 minutes session. Recommended to proceed under the guidance of a professional speech-language pathologist. May include using assistive devices (like tongue pressure trainers) to enhance the effectiveness.</p> |

## Exercise Images



**Tongue Tip Press**

Press the tongue tip to the roof of the mouth or upper lip for 5 seconds. Repeat 10 times.



**Alternating Tongue Movements**

Move the tongue left-right and up-down steadily. Aim for full range.



**Tongue Press with Stick**

Press tongue against the tongue plate for 3–5 seconds.