

Description

The invention was designed specifically to exercise the larynx and pharynx and upper esophageal sphincter. This device has a unique design which provides the isolated resistance needed to improve swallow functions.

Problem Solved

Difficulty with swallowing (Dysphagia) leads to significant loss of independence and can lead to a of life-shortening problems such as malnutrition, dehydration, choking, and aspiration pneumonia. 7%-10% of people 50+ have dysphagia and 14% over 60 are affected by dysphagia.

This simple device focuses on improving specific muscle activities in the pharynx. It induces resistance to flow as well as resistance to swallow muscle contractions. These provide the precise conditions for exercising the essential muscles required for successful, healthy, swallowing which would improve daily quality of life.



Swallow exerciser prototype

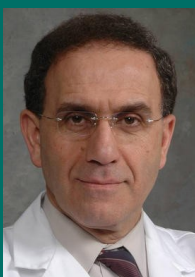
Key Advantages

- Exercises only muscles used in swallowing
- Passive device that is applied externally
- Device used at home
- Pressure adjustable as strength increases

Stage of Development:
Prototype tested on humans

Intellectual Property Status:
US Patent 10,582,932, Foreign
rights available

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