

**R. P. Shanmuga Priya et al., 2023 Abstract**

## **Efficacy Of Feedback-Based Dysphagia Therapy In Post-Stroke Patients**

### **Objective**

The study tested the functional outcome of the cumulative effect of **surface electromyography (sEMG) biofeedback** adjunct to swallowing exercises summated with visual, auditory and tactile feedback that engross and stimulates active participation of the patients during the therapy of dysphagia rehabilitation

### **Results**

The results showed improvement in functional oral intake scale after intervention. The researchers concluded that feedback-based therapy protocol shows good improvement in post-stroke patients with dysphagia. Inclusion of this protocol in therapy may influence standards of care and best practices for post-stroke dysphagia patients.

### **Participants and Researchers**

The study included 12 stroke patients with swallowing difficulty allocated into control and interventional groups with six subjects in each.

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### **Methods**

Swallowing function was evaluated using Functional Oral Intake Scale (FOIS), Baseline **surface electromyography (sEMG)** of Suprahyoid muscle and presence of Nasogastric tube. The interventional group received feedback-based therapy along with conventional therapy for 30 to 40 minutes a day for 10 days and control group received conventional therapy for 10 days.

The **NeuroTrac MyoPlus 4 Pro** device (Verity Medical) was used for the **surface electromyography (sEMG)**.

The full abstract can be found at

<https://journaljammr.com/index.php/JAMMR/article/view/5194/10360>