

Programm „Sachsen-Anhalt WISSENSCHAFT Transfergutscheine“

gefördert aus Mitteln der Europäischen Struktur- und Innovationsfonds: Aktenzeichen ZS/2016/82308

HIER INVESTIERT EUROPA
IN DIE ZUKUNFT UNSERES LANDES.

www.europa.sachsen-anhalt.de

Conception and evaluation of a biofeedback system for rehabilitation of patients with neurogenic dysphagia

Projekttitel

400€



Firma

**HASOMED GmbH,
Magdeburg**

Hochschule

OVGU Magdeburg

Ort, Datum, Unterschrift

Ort, Datum, Unterschrift

Kurzbeschreibung des Projektes

Current Biofeedback tools for the rehabilitation of dysphagia lack reliable and robust therapy results due to the fact that they apply Biofeedback which depends on a single measuring parameter (e.g. sEMG). Moreover the interaction exercises were developed based on theoretical assumptions rather than on clinical requirements.

The idea is therefore to design an interactive Biofeedback tool with an appropriate visualization which is based on dual measuring of sEMG and bioimpedance.

This system should be tailored to therapist and patient needs in order to achieve efficient therapy results. In a second step the system will be clinically evaluated and further improved.