

Vibrotactile stimulation of the larynx to treat unexplained chronic cough

Status: Recruiting

Eligibility Criteria

Sex: Male or Female

Age Group: 18 years and over

This study is NOT accepting healthy volunteers

Inclusion Criteria:

- adults aged 18-80 - more than 8 weeks of non-productive cough - chest x-ray or chest CT negative (collected as part of routine clinical care); no time limit on imaging (if available) - clinical impression that untreated or inadequately treated gastroesophageal, pulmonary, and/or sinus or nasal issue is not the reason for the cough - able to read and speak English

Exclusion Criteria:

- current smoker or quit less than 3 months ago - infectious cause for cough (e.g., TB, pertussis, COVID) - history of known or suspected aspiration pneumonia - recent intubation/neck surgery (within 8 weeks) - neuromuscular impairment that may affect cough/laryngeal sensation and/or function (e.g., multiple system atrophy, Parkinson, CVA) - untreated carotid artery disease - electronic implants (e.g., pacemaker) - specific medications (study staff will discuss) - anticipate use of new medications to treat the cough during the period of the study - currently having speech therapy for cough - BMI > 40 (for transmission of VTS through soft tissue) - allergy to adhesives - drug/alcohol dependency or abuse - pregnant - without regular access to wifi and internet

Conditions & Interventions

Interventions:

Device: Vibrotactile Stimulation

Conditions:

Breathing, Lung & Sleep Health, Ear, Nose & Throat

Keywords:

chronic cough, cough, larynx, vibrotactile stimulation, Clinics and Surgery Center (CSC)

More Information

Description: This is a study of adults with unexplained chronic cough between 18-80 years old. This study is trying to determine whether a noninvasive vibrotactile stimulation device can help reduce cough symptoms.

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Phase: Pilot

IRB

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