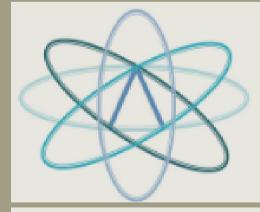
VOICE ERGONOMICS WORKSHOPS

DEVELOPMENT PROJECT BETWEEN FINNISH VOICE ERGONOMICS SOCIETY, THE CITY OF OULU AND FINNISH WORK ENVIRONMENT FUND

MSC JAANA TYRMI, TAMPERE UNIVERSITY DR?? TERHI ANSAMAA, XXXXXXX PHD HANNA VERTANEN-GREIS, ÅBO ACADEMI







Suomen Ääniergonomiaseura Finlands Röstergonomisällskap The Finnish Society for Voice Ergonomics



Työsuojelurahasto

Arbetarskyddsfonden The Finnish Work Environment Fund

01/06

How it all started

NEED TO ADDRESS OCCUPATIONAL CONCERN

Resent study showed that 54 % of teachers in basic education have 2/6 voice symptoms weekly (n=350) in the city of Oulu. (Vertanen-Greis, 2021) Phoniatrics, Occupational health, Terhi Ansamaa Speech therapy, FM Sirpa Pirilä Vocology, MSc Jaana Tyrmi, Tampere University Voice ergonomy, PhD Hanna Vertanen-Greis, Åbo Academi

Occupational healthcare in city of Oulu comissioned distance learning workshops on Voice Ergonomics

Finnish Voice Ergonomics Society summoned interprofessional team





TARGETS AND GOALS

02

04

03/06

VIRTUAL

01

03

Workshops are held via internet as live workshops and recorded for later use

RECOGNITION

Embloyees are coached to recognised factors that form risks for voice health and affect voice ergonomics.



SCALABLE

Workshop can be scaled from small to large groups and target different occupations that use voice as tool

ACTIVE ROLE

Embloyees are helped to take active role in improving their own voice ergonomics, to prevent voice symptoms and advance well-being at work.

METHOD

Baseline

Participants filled validated questionnary on voice ergonomic risk factors before the 1. workshop and after each workshop

Shearing

Knowledge and ideas where shared on voice ergonomic like dealing with noise and recovery hacks

04/06

Customing Contents of the workshops were customized based on the answers. Voice clinic based on questionnaire results.

Modell for customized yet scalable online workshop on voice ergonomics

Q&A

Wishes were heard and provided in real time or homeworks as needed



05/06

SCHEME

1. online workshop

Voice

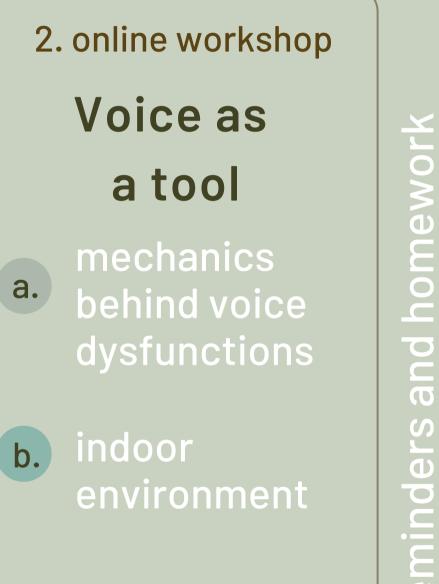
voice **a.** production and structure

working b. postures and vocal habits

> physiological recovery

C.

Х Ч 0 € </r> E 0 č σ S 0 0 0 Č E **(**)



+ voice clinic option

personal

recovery

C.

3. online workshop Working tool symptoms a. in voice dysfunctions stress and b. environment social C. recovery



ork Ó hom 0 an S Φ 0 C Ξ ω

4. online workshop Working voice as working tool

Open workshop for all embloyees in a city of Oulu, not only basic and early childhood education or administration

+ voice clinic option

OUTCOMES

Follow-up

06/06

Most of the participants improved at least one egonomic factor:

- noticing work postures
- small breaks during wd
- voice exercises
- scaling down loud voice
- more lunch walks



Working posture developed to better with more than half of the participants.

Intense and lound voice use got managed better with almost half of the participants.

Indoor environment was not improved during workshops as it is know to be vast and difficult task, but background noise intead was easier to manage.

I'm relieved that I now have permission to be silent when I have a weary voice.

Now my voice endures speaking on the phone all day.

I know what I should take account on, these things which I didn't focus on before.