



An innovative daytime therapy
which targets a root cause of
mild obstructive sleep apnea
and snoring



excite^{OSA}

CLINICALLY PROVEN

THE TECHNOLOGY

eXcite^{OSA}® is an innovative, FDA-authorized therapy, that addresses oral muscle function, unlike traditional therapies.

The eXcite^{OSA} device is a mild, user-controlled neuromuscular electrical stimulator (NMES). The electrical pulse has defined frequencies to stimulate and improve muscle function of the tongue.

Daytime stimulation is associated with increased endurance of the upper airway musculature.

Clinical trials have demonstrated improvements in snoring and sleep apnea severity with electrical stimulation technology.¹⁻²

No nighttime wearables are necessary. Participants in a multi-center clinical trial used therapy on 83% of days.²



1. Wessolleck E, Bernd E, Dockter S, Lang S, Sama A, Stuck BA. Intraoral electrical muscle stimulation in the treatment of snoring. *Somnologie* 2018;22:47-52.

2. Baptista PM, Martinez Ruiz de Apodaca P, Carrasco M, Fernandez S, Wong PY, Zhang H, Hassaan A, Kotecha B. Daytime neuromuscular electrical therapy of tongue muscles in improving snoring in individuals with primary snoring and mild obstructive sleep apnea. *J Clin Med* 2021;10:1-11.

HOW THE DEVICE WORKS

1

The eXcite^{OSA} mouthpiece is attached to the control unit and then placed into the mouth. It is controlled by the eXcite^{APP}.

2

The eXcite^{APP} activates the electrodes in the mouthpiece via the control unit; electrical pulses stimulate the tongue muscle and improve muscle function.

3

The eXcite^{APP} monitors how often the patient has used the device and supports adherence with the ability to communicate with the patient.



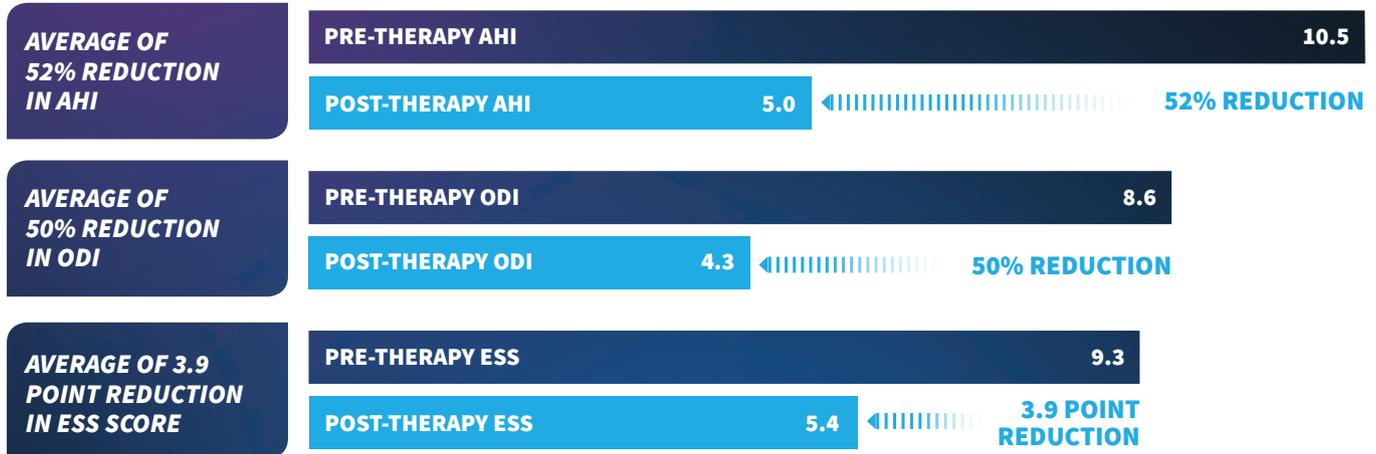
CLINICALLY PROVEN RESULTS

Improvement in mild OSA with the use of eXcite^{OSA}

AVERAGE % REDUCTION IN AHI, ODI AND ESS IN PATIENTS WITH MILD OSA PRE- AND POST-THERAPY WITH eXcite^{OSA} ³

All p<0.001

78% of Patients Responded to Therapy, as follows*



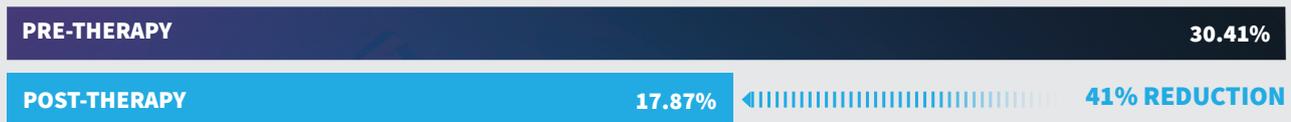
*Responders were defined as those who experienced a reduction in AHI

Improvement in snoring with the use of eXcite^{OSA}

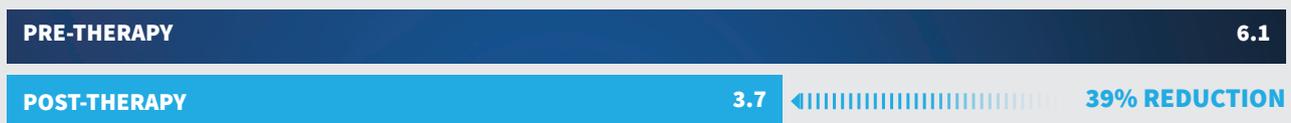
AVERAGE % REDUCTION IN SNORING TIME AT >40DECIBELS IN PATIENTS PRE- AND POST-THERAPY WITH eXcite^{OSA} ²

Both p<0.001

Objective snoring: Patients achieved an average reduction in snoring time of 41% at >40dB



*Subjective snoring: Patient bed partners reported an average snoring reduction of 39%***



3. Based on analysis of n=65 participants with mild OSA recruited from multiple UK and European sites, who underwent a single-arm trial of eXcite^{OSA} for a duration of six weeks between February 2019 and April 2020. Data on file.

**As measured by a visual analog scale completed by bed-partners pre- and post-therapy.

PATIENT FEEDBACK



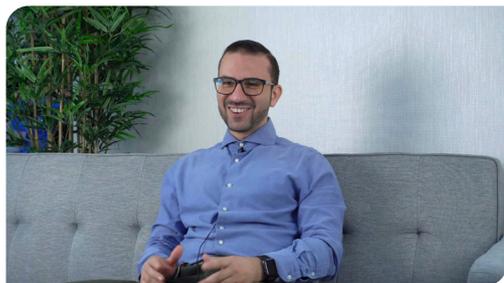
WHAT WAS YOUR EXPERIENCE LIKE USING THE eXcite^{OSA} DEVICE?

“I found it very easy, very comfortable, and I just felt assured that I was going to have a good night’s sleep. After getting a better night’s sleep, I felt more refreshed in the morning. For me, it made me feel happier and better in myself.”



WHAT REAL LIFE IMPROVEMENTS HAVE YOU SEEN?

“I don’t feel so tired. This tiny device has made such a massive difference to me. My concentration level has increased; I feel more relaxed, and as if I’ve got ten times more energy. For the first time in many, many decades, I genuinely look forward to going to sleep.”



HOW LONG DID IT TAKE TO SEE RESULTS?

“In two to three weeks, I noticed really good results: much better restful sleep, no waking up at night. And during the day, obviously, I feel more refreshed, have more energy. No headaches and no complaining because of my snoring at night! This device has made a lot of difference...I am really happy about that.”



WHAT ARE YOUR THOUGHTS ON THE RESULTS YOU EXPERIENCED, AND HOW LONG DID IT TAKE TO SEE THEM?

“It reduced my snoring significantly. Sharing a bed has brought us a lot closer than we were before. I didn’t believe snoring was such an awful problem, but I can now see that it affected our relationship. It took a couple of weeks for it to become apparent it was working very well, and by the end of the six weeks it was working extremely well.”

excite^{OSA}



20
minutes
a session

1
time
each day

6
weeks

*excite^{OSA} has been **CLINICALLY PROVEN** to improve the quality of sleep* by reducing mild obstructive sleep apnea and snoring significantly³ when used for 20 minutes, 1 time each day for 6 weeks and only twice a week thereafter.*

Signifier Medical Technologies LLC

109 Highland Avenue
Needham
MA 02494
USA

Tel: +1 844 MildOSA
Email: info@signifiermedical.com
www.exciteosa.com



*As measured by the Pittsburgh Sleep Quality Index

excite^{OSA} is a registered trademark of Signifier Medical Technologies. ©2022 Signifier Medical Technologies. All rights reserved. EX0014 8/23