

Goodeeps

Al-based Adaptive Sleep
Bruxism Preventative Care Solution





Sleep Bruxism Smart Device

- Goodeeps is a health care product that relieves sleep bruxism and clenching of the teeth.
- When you are ready for bed, place the device on either side of your temple.
 The device will accurately sense your muscle movements and prevent potential grinding and clenching by initiating a subtlestimulation (vibration).
- The device collects information on the frequency and intensity of your muscle movements in the form of Electromyography (EMG) signals. This data is used to further optimize the device settings via Al processing and can be used to develop a treatment plan with your dentist.

Good for patients with bruxism experiencing the following:









Extreme jaw pain

uncomfortable splint

sleep disorder

facial asymmetry





Goodeeps Value

Dentist



Providing an alternative treatment solution

Many patients using splint are displeased with the experience due to discomfort

Drug-free and non-invasive treatment solution that does not require special prescription

Patient & Public



Reduce sleep bruxism treatment cost

Low cost compared to traditional treatment solutions (Splint, Botox, etc.)

Self-check your bruxism pattern

Safe and easy-to-use device features suitable for youths and teens

Goodeeps in CES2023

- "I want to buy it right away. Where can I buy it? " Yuichi / Japan
- " My son is highly resistant to botox. A groundbreaking Product." Romain J. / Canada
- "I want to participate even as a tester. Please contact me" John H. / USA





Product included





Black



Pink



Smile

2. Apps



(iOS & Android)

3. Accessories



(Device Wearing Eye-mask)



(Skin plate)



Specification

Parts	Detail	Specification
Device	Connector	USB Port Type C
	Size	Width 48 mm, height 29 mm, Thickness 9 mm
	Weight	10.4g
	Attachment	Direct contact by double-sided gel pad
EMG	Measurement	Two Electrode inputs for measurement
Operation	Vibration	Electric motor
	Communication	Bluetooth
Power	Туре	lithium polymer battery
Data	EMG	Facial electrode data collection during sleep



Comparison with existing methods

(Goodeeps)	
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Digital Device

Splint

Botox







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Ease of use

Cost

Monitoring

Visit dental clinic

Youth & adults

Easy & Comfortable

Competitive price

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Adults(only)

bite and sleep discomfort

700 USD

Adults(only)

Convenient but resistant

400USD per shot

0

3 times(at least)

Every 4 months



purpose

Sleep grinding, teeth clenching relief

Cost

Competitive price

Recognize bruxism

Al based corrections

Safety

Low cost (Compared to

competitors)

Biofeedback

Vibration (personalized)

Elec. Pulse < Vibration

Customized

Use of Al learning

Scalability

Advantages

Functional design, application of Al/big data

Use of sleep data



Miraclare is a company specializing in digital-based home care products in the dental field.

history

2021	12	Device for relieving sleep bruxism, 'Dr. Deeps' : Silver prize in the national start-up competition
2022	02	Established Miraclare Co., Ltd.
	03	Established Miraclare research institute
	09	1st Changwon Technology Startup Academy IR Evalu- ation Grand Prize
2023	01	Participated in the 2023 CES Las Vegas Consumer Electronics Show (Dr. Deeps: wearable device to relieve sleep grinding)
	05	Awarded the first prize in the Al Novatus Contest (Title: Personal intraoral camera-based implant site gum inflammation)

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Team members



Miraclare Co., Ltd.

Hallym Univ. Hospital

Inje Univ. Biomedical Engineering

CEO, PM

Jung-hwan Byun / CEO

Ph.D in MIS, Korea MSc in University of Manchester, UK Dentist, Medical advisor

Jin-hyuk Hwang / Professor Master's degree in Dentistry, University of Ulsan Professor, Biomedical engineering

Chi-Woong Mun Ph. D in Electricity and Electronics, KAIST



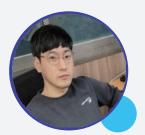
DH KIM / Data

Manager
Ph.D, Data mining & analysis



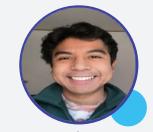
JH KIM / Electric

Senior Engineer Electronic engineering master



JS SEO / AI

Engineer MSc. Al engineering



Aria / Apps

Engineer MSc, Information and Communication Engineering

Business areas

Dental Homecare (Sleep Bruxism)





Dental Homecare (Implant care)



Sleep-care Solutions





Sleep mask

Digital Dentistry



Dental Suction robot





WEARABLE **HEALTHCARE DEVICE**FOR YOUR DEEP SLEEP

Contact

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