November, 2022

CONNECT special

Edition 80

Editor's Desk

Dear friends,

"Do not go where the path may lead, go instead where there is no path and leave a trail."

-Ralph Waldo Emerson

Happy Reading,

Regards

Bhavna Botta

http://www.connectspecial.in/

Inclusive Ideas

Alexicom AAC:

A unique AAC system for mobile devices and computers to help people communicate when they cannot speak or need assistance communicating with others. The app has specific apps and page sets for different ages with both phrase-based and single-word page sets. The real images benefit a variety of age groups. In addition, Alexicom Tech's and cloud-based AAC subscription provides remote programming and easy customization for groups of users.

https://www.alexicomaac.com/

The picture shows pictorial communication board on tab screen.

SYMLE MOUSE-

Here is a great solution for those frustrated using computers due to limited arm movement - A Head & face gesture mouse control switch via webcam is a perfect answer. Useful for persons with ALS, Carpal Tunnel, Cerebral Palsy, Multiple Sclerosis, Muscular Dystrophy, Spinal Cord Injury. Don't need the Pesky Wear ables, Sip/Puff/Bite Switches, Or Stickers-on-Face!

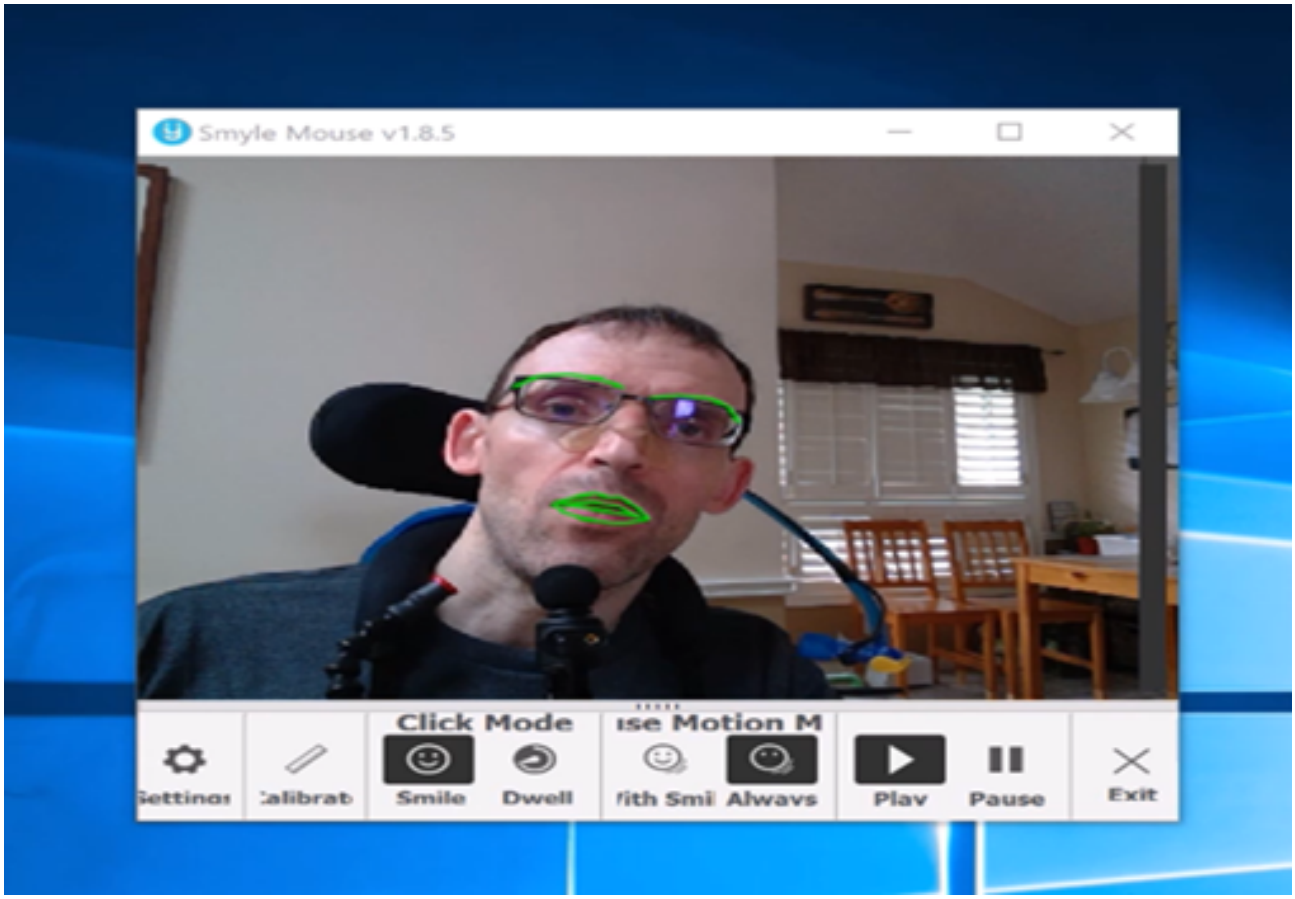
The picture shows a person lying down and accessing a computer

The Smyle Mouse Advantage is its ease of set up requiring no hardware, accessories to purchase or install ,no dots, electrical contacts or headgear on the face, and no bite sticks or sip/puff tubes in the mouth.

It includes a Head mouse, Smile & Dwell Clicker,and Adaptive Switch Emulator allowing use both indoors or outdoors and can be used for work or play,art or entertainment, socializing or education. It is designed for Microsoft Windows 7/8/10

https://smylemouse.com/

https://youtu.be/GzFZp_WT4aY



The picture shows a screenshot of a video of a person -the lips and the spectacle frame are showing a green outer frame highlighting of smyle mouse being detected.

InnovativeIdeas

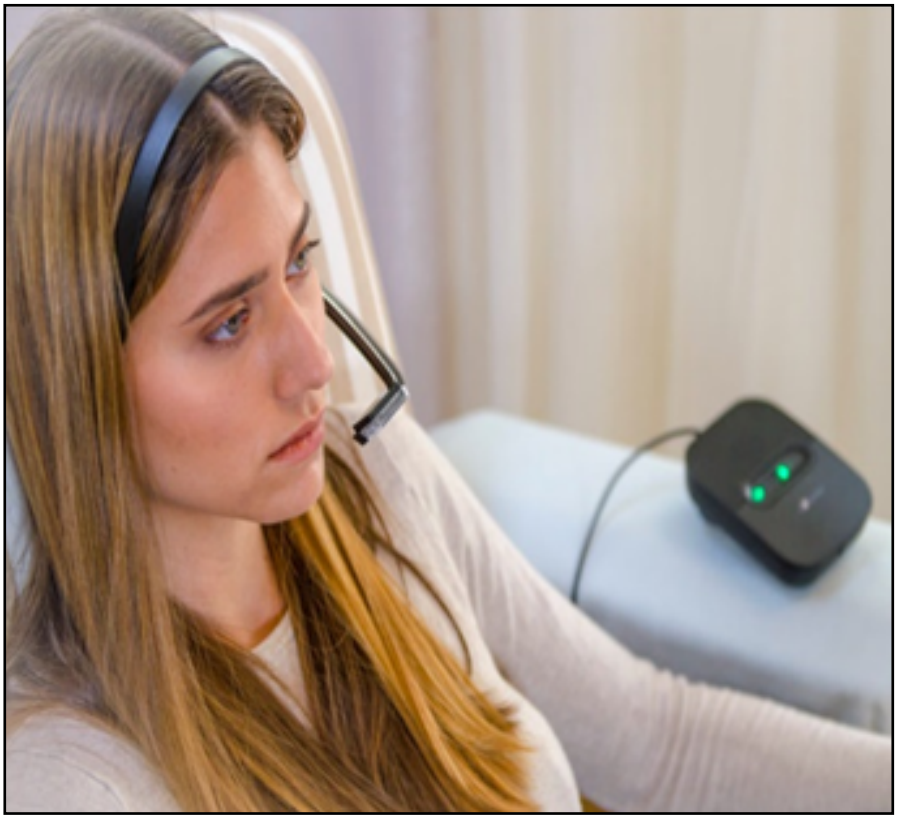
Eye Control

The Eye Control is the first wearable, screen less, assistive communication device. AI-powered eye-tracking technology enables remote communication between ventilated ICU patients and medical staff via the nurse station. Eye Control can also improve the quality of life for Locked-in home care patients, by providing round-the-clock communication with family members and caregivers.

A head-mounted infrared camera tracks the eye movements and sends the information to a small processing unit which translates the movements into communication.

The bone conduction component provides audio feedback to the user before the communication is transmitted to the output speaker or connected Bluetooth device, all without the need for a screen.Once the headset is placed correctly,the user can begin communicating immediately. There is no need for a screen or external device.

Eye Control gives individuals more privacy - only they can hear the menu options before sending their communication to the output speaker. They have greater independence, and control and can maintain more awareness of their surrounding while still having the ability to communicate.

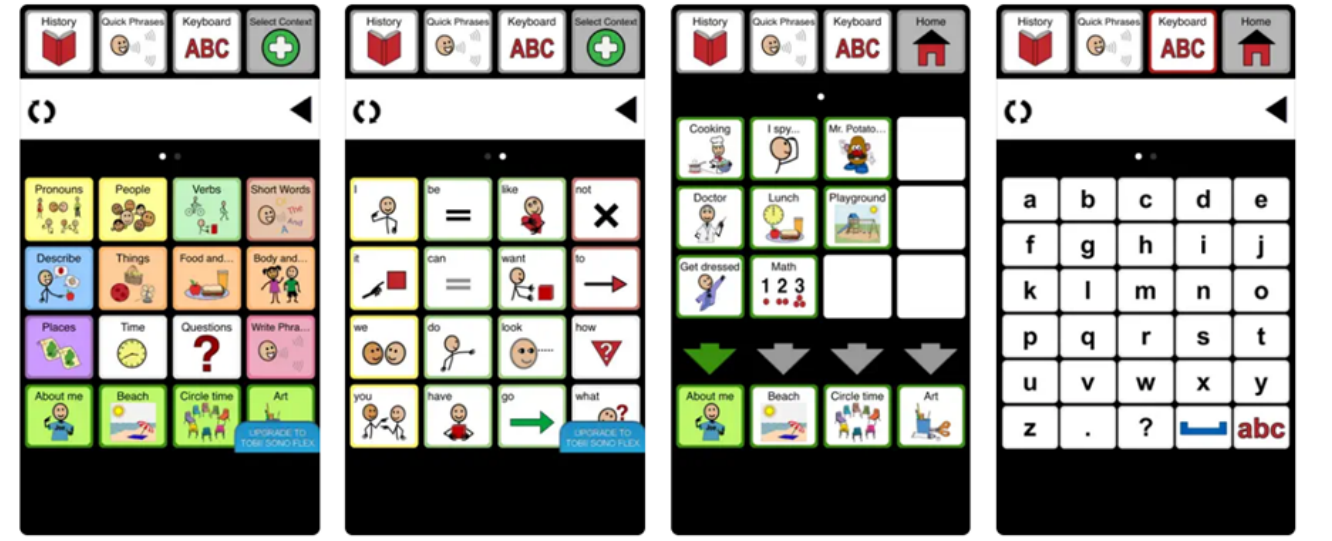


The picture shows a person wearing a head mounted camera propped in front of the nose and the processor unit sending signals to other devices through blue tooth.

https://www.home.eyecontrol.co.il/product

Sono Flex Lite:

This is a nice little picture communication board with computer-generated speech. It links to other pages well and speaks when you press the message window.



The picture shows a screenshot of picture-based and alphabetcommunication boards

https://apps.apple.com/us/app/sono-flex-lite/id463709444

Ability Drive™ – Drive your wheelchair with your eyes

Originally featured in Access and Inclusion through Technology

http://www.accessandinclusion.news/

https://www.closingthegap.com/ability-drive-drive-your-wheelchair-with-your-eyes/

Ability Drive™ is a control interface that enables you to drive and adjust seating on a powered wheelchair with your eyes. Using virtual buttons and eye gaze technology, people who are not able to use a joystick can regain movement independence. The app senses your gaze on virtual buttons which sends directional movement commands to the Ability Drive™ hardware interface. These buttons are overlaid on the forward camera view. Looking at the stop button, looking away from the computer, or closing your eyes stops wheelchair movement.

https://youtu.be/-iIv9C5j_xQ

The picture shows a person using eye-controlled wheelchair

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