



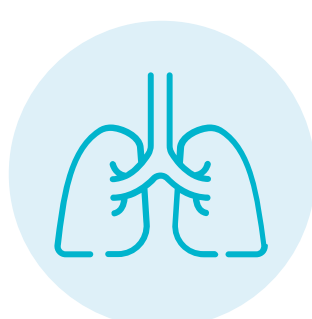
Our Company

EyeControl is a pioneer of medical technology, specializing in innovative communication solutions that address unmet healthcare needs. We implement disruptive AI technologies that connect people and bridge information gaps, facilitating better medical care and decision-making.

Our privately held company was established in 2016, by individuals, who share unique personal connections to Locked-in patients. Their journey, addressing the communication needs of those living with ALS, evolved into a comprehensive tool for ICUs and ventilated wards.

Unmet Needs

Communication and Delirium Management



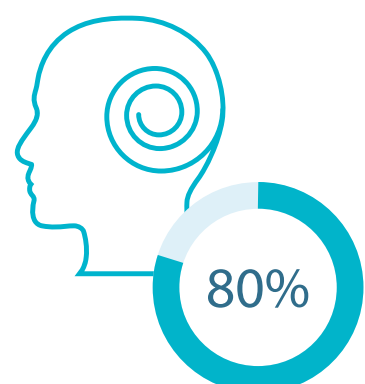
ICU communication is challenging, particularly among mechanically ventilated patients.



Medical staff also express frustration, when treating patients with limited communication capacities¹.



Impaired communication is associated with anxiety², cognitive decline and Delirium risk factors.



Delirium affects up to 80% of ICU patients³



Delirium can double mortality rates during hospitalization⁴



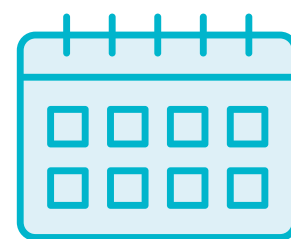
Delirium can triple mortality within six months following release⁴



Delirium can impact cognitive impairments such as dementia⁵



Delirium costs the US healthcare system up to **\$200B** annually⁶



Delirium can lead to **5 to 10** day extended stays in the ICU⁷

No FDA regulated Delirium management technologies exist; an automated non-pharmacological intervention is desperately needed.

Our Solution

Based on AI-powered eye-tracking technology, our wearable device enables 24/7 customizable bi-directional communication and monitoring

A head-mounted infrared camera tracks patient eye blinks in response to audio feedback and transmits them to the processing unit.

Using adaptive, ML-based pattern recognition, eye blinks are converted to patient communication and clinical data.

Medical staff receives notifications on their web-based dashboard, which can also be used to schedule outgoing communication, configurable to patient cognition levels.

EyeControl is revolutionizing the industry standard for medical communication with an aim to shorten length of hospital stay and diminish healthcare costs. Empowering communication enables timely, proactive, and preventative care aimed at Delirium prevention.

The EyeControl is FDA listed and CE marked as a communication device; it is ISO certified, AMAR registered, HIPAA compliant, and federally reimbursed in Israel, the UK, and the US.

EyeControl-Pro for Delirium management is for investigational use only and has not been cleared or approved by the US FDA*. Clinical trials validating its efficacy in detecting and mitigating Delirium are underway in Israel and the US.

[Read More](#) about our team, board of directors and advisors

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 2. Baumgarten M, Poulsen I. Patients' experiences of being mechanically ventilated in an ICU: a qualitative metasynthesis. Scand J Caring Sci. 2015;29:205-14.

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 *The device is not available for sale in the US.