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Tel Aviv Sourasky Medical Center brings Gen AI into the field of Brain-Computer Interfaces

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Allowing completely paralysed patients to intuitively communicate with those around them

The Functional Neurosurgery Unit, a part of the Department of Neurosurgery at the Tel Aviv Sourasky Medical Center (TASMC), specialises in treating brain, spinal cord, and peripheral nervous system disorders, has announced a partnership with AI innovator NeuroBrave, aiming to reach new frontiers in the BCI (Brain-Computer Interface) field and accelerate the research and implementation of innovative solutions for complex neurological conditions and patient care.

"For more than a decade, our clinical research team has been at the forefront of speech decoding and brain information research and has accumulated a vast amount of know-how and data," said Dr Ido Strauss, head of the Functional Neurosurgery Unit at the Sourasky Medical Center. "The partnership with NeuroBrave opens exciting possibilities to take the next step in brain-computer interfaces, translate brain activity into speech, and help patients with various brain disorders to communicate."

"NeuroBrave's unique AI and GenAI infrastructure, and the ability to translate, in real-time, neural information into cognitive and emotional insights, combined with the skilled hands and clinical expertise of TASMC Functional Neurosurgery Unit, will enable Israel to join the 'Brain Chip Race,' alongside Elon Musk's Neuralink, and Synchron Inc, having Bill Gates and Jeff Bezos as stakeholders," said Dror Talisman, Co-founder and CEO of NeuroBrave.