DESCRIPTION OF THE PROJECT

EEG with pathology detection

TECHNOLOGICAL CHALLENGE

Early detection of post-operative delirium (seniors) and pediatric delirium

DEVELOPED SOLUTION

NeuroServo has developed a miniaturized, non-intrusive, portable, wireless, and motion-resistant electroencephalogram (EEG).

Brain waves are analyzed in real time by NeuroServo's algorithms, allowing early diagnosis of post-operative delirium, a condition affecting 10 to 31% of hospitalized people aged 65 and over, dangerous to the patient (permanent cognitive loss, 30% increase in mortality at one year) and very costly to the health system when belated diagnosed.

Delirium is also very present in children admitted to pediatric intensive care.

GOALS

Patient well-being, mortality reduction and permanent cognitive impairment, reduced length of post-operative hospital stays, reduced costs to the health care system.

COMMERCIALIZATION CECR FUNDING

NEUROSERVO

IMPACTS O F THE PROJECT
2019 - 2020

Founded amount
50K

Job created/person year/5 years
14

Projected revenus/5 years
21M$

Capital investments/5 years
1,75M$

THIS PROJECT IS AN ACTIVE COLLABORATION BETWEEN

ASSISTANCE PUBLIQUE HÔPITAUX DE PARIS

Centre de recherche CHU Sainte-Justine
Le centre hospitalier universitaire mère-enfant

INSTITUT TRANSMEDTECH MONTRÉAL