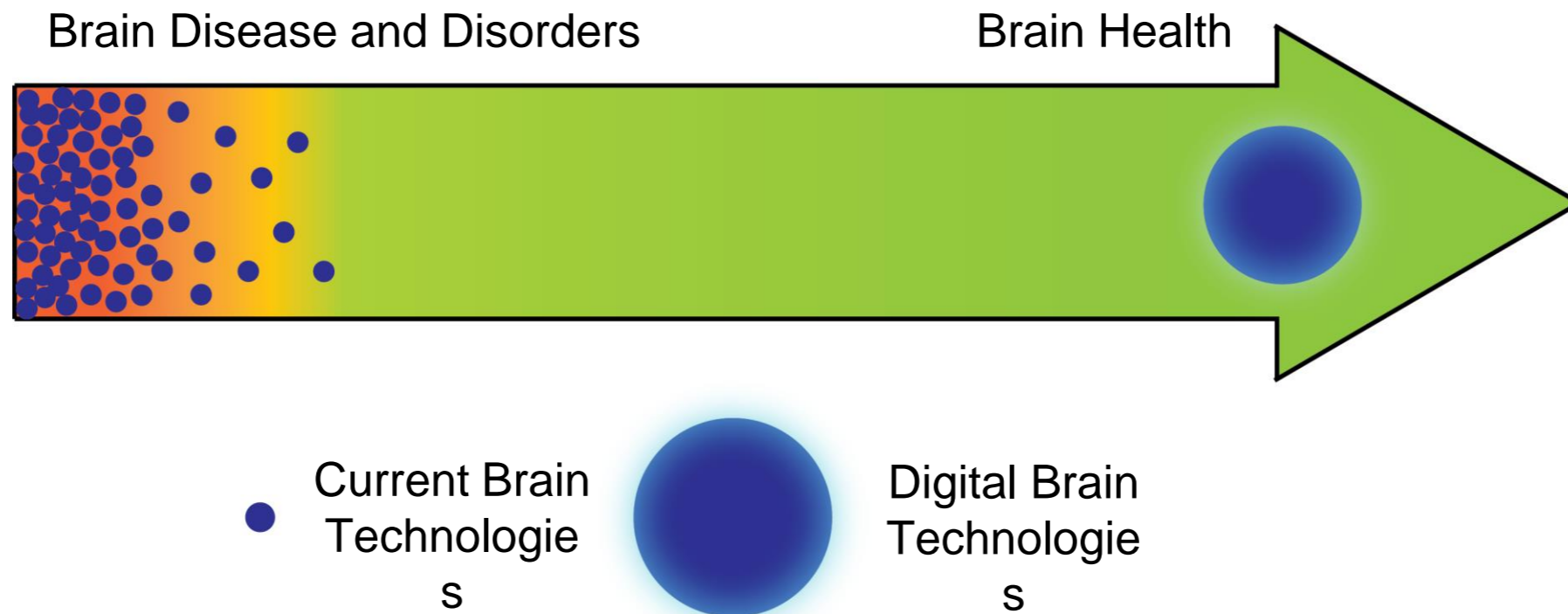




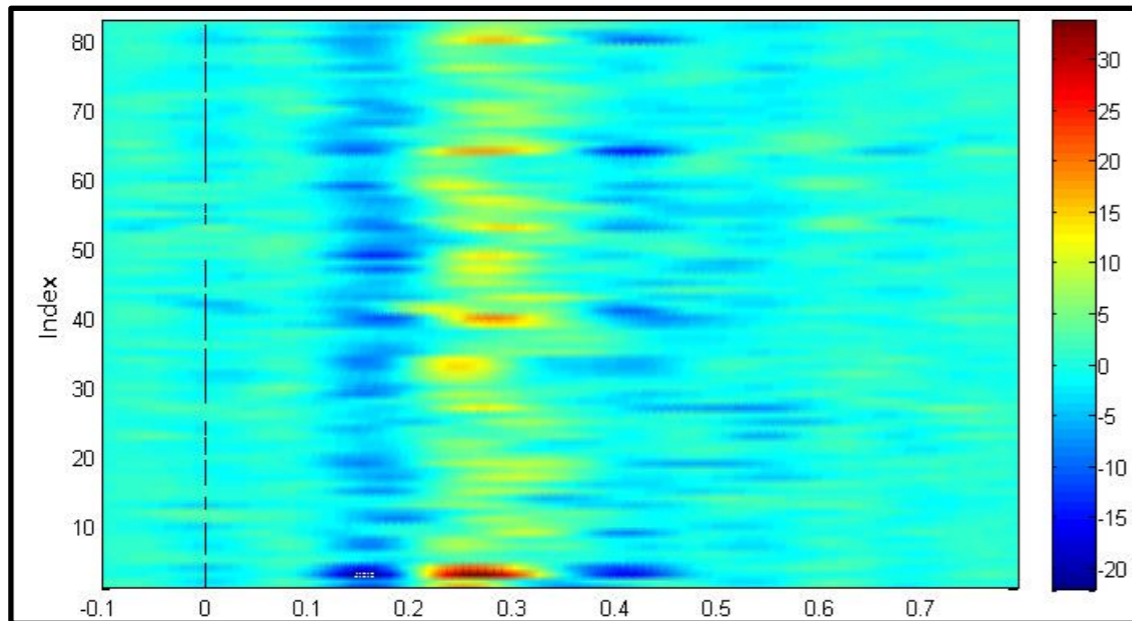
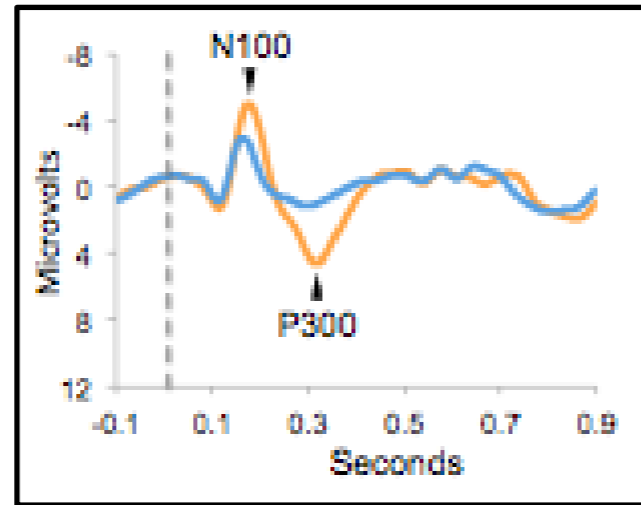
Digital Health: NeuroTechnology

Ryan CN D'Arcy, PhD
Simon Fraser University/Fraser Health
HealthTech Connex

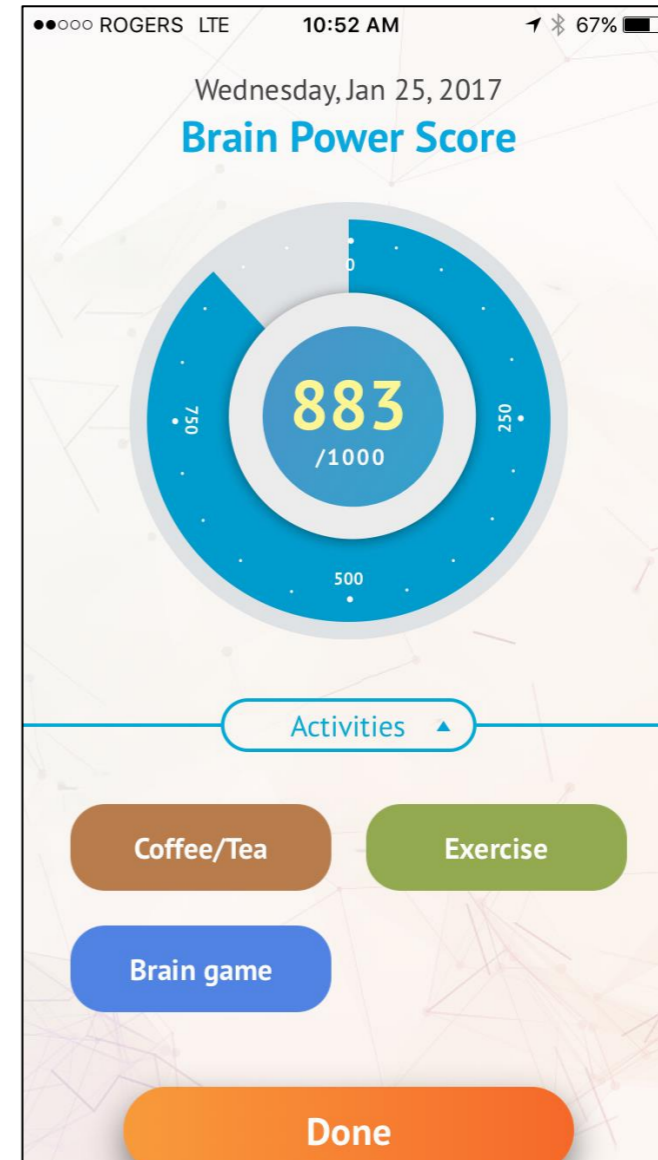




Brain Vital Signs



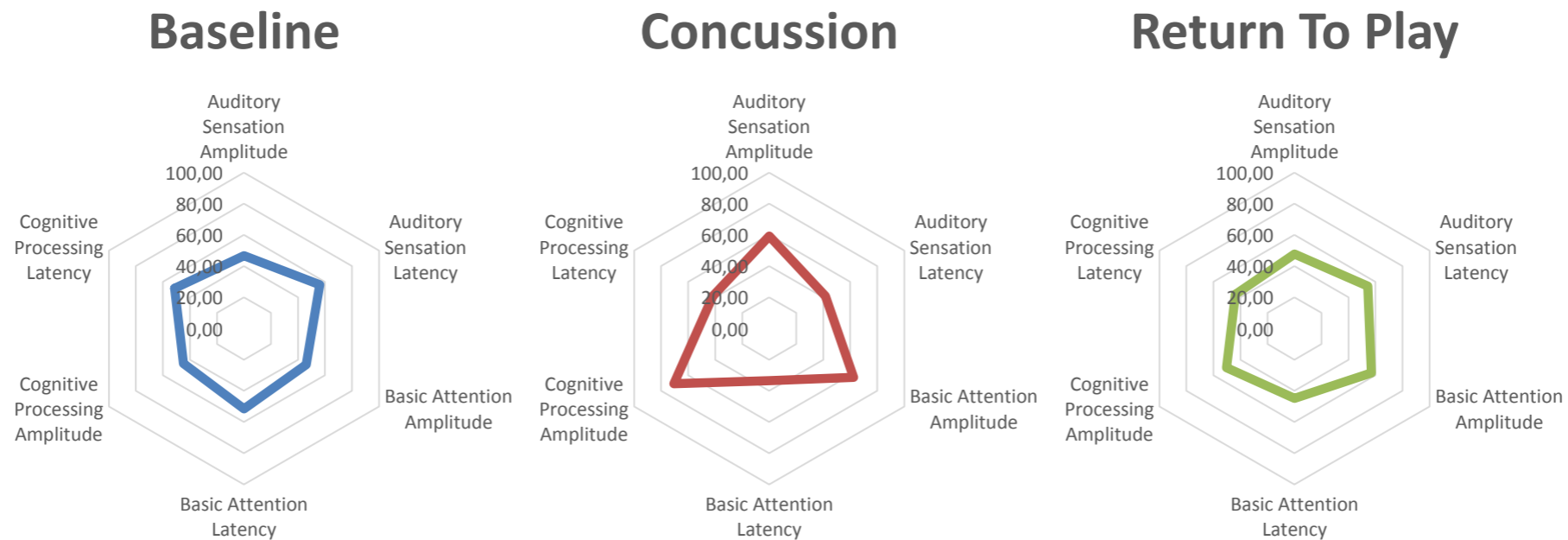
Brain Power Score



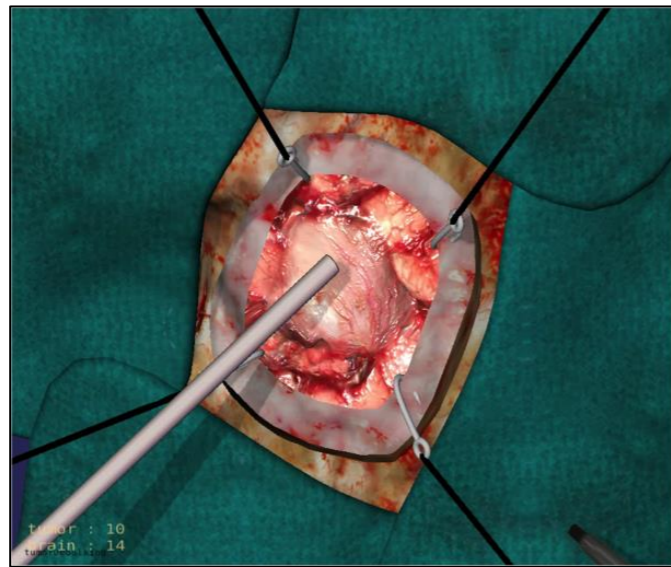
How's your brain today?



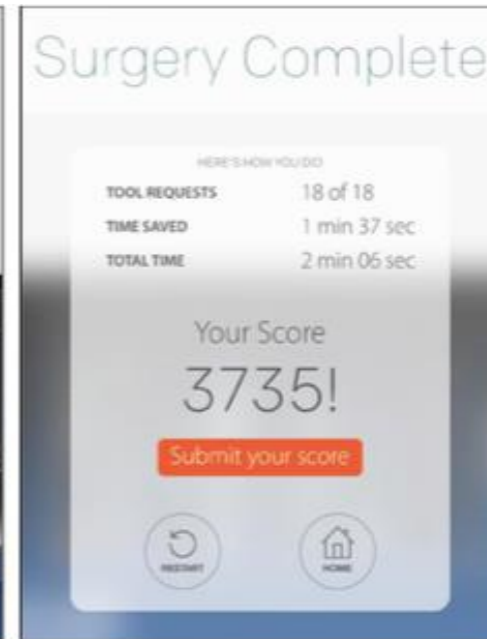
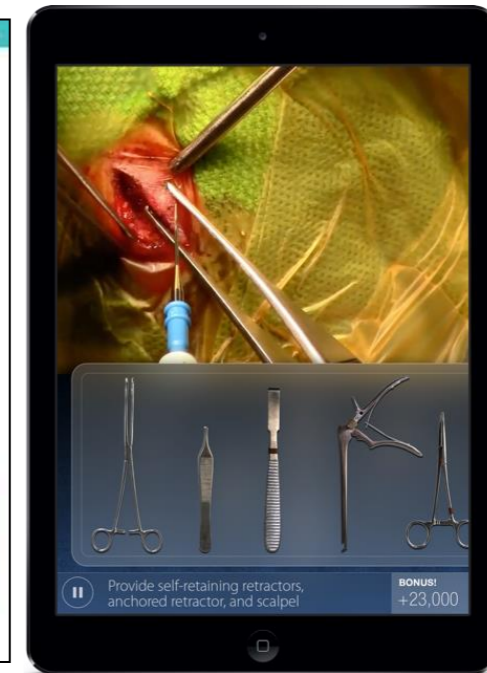
Concussion “profile” using brain vital signs



DIGITALIZATION: INTELLIGENT PATHWAYS



NeuroTouch
“How did my virtual surgery go?”



Society

MILITARY

THE IRON SOLDIER

Nine years after Capt. Trevor Greene took an axe to the head in Afghanistan, he is walking again, with the help of an exoskeleton and the Royal Canadian Legion. It is a journey that could change the lives of millions.

BY BEN MACQUEEN - Trevor Greene has a new tattoo on his left forearm. It appears to show a rugged mountain peak and, above it, a string of letters I can't decipher. It's mid-June, an exciting morning for the forcibly retired Army Reserve captain, his wife, Debbie, and a cast of characters who crowd the main floor of the Greene family home in Nanaimo, B.C. Greene, in his wheelchair, is sharing the focus of attention with a silent partner sitting nearby, something that looks eerily like a headless robot. The Greens, in ways they couldn't possibly have foreseen, have been building to this moment for more than nine years, really, since the aftermath of March 4, 2006, the day Capt. Greene first did the impossible by refusing to die in the dust of a remote Afghan settlement.

By 2006, the Canadian Forces had long since abandoned the concept of peacekeeping; our soldiers were in a shooting war against the Taliban. It was Greene's role, as civil-military co-operation officer, to build bridges to a more peaceful future by offering aid and infrastructure assistance to impoverished villages in Kandahar province. It is why he was sitting on the ground with the elders of Shinkay village, why he had set down his rifle and removed his helmet as signs of respect; why, as he spoke of Canada's desire to help this village, he was vulnerable to a 16-year-old

Powered steps: The Legion funded the robotics; Greene brought the work and determination