Author Correction: Brain leaks and consumer neurotechnology

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Correction to: *Nature Biotechnology* <https://doi.org/10.1038/nbt.4240>, published online 6 September 2018.

In the version of this article initially published, StarStim8 was misspelled StartSim8 and Flappy Whale was described as using EEG and MEG; it uses only EEG. The legend to Table 1 read “CES, cranial electrotherapy stimulation; PCS, transcranial pulsed current stimulation; TNS, trigeminal nerve stimulation”; the correct legend is “CES, cranial electrotherapy stimulation; ECG, electrocardiography; EMG, electromyography; TENS, transcutaneous electrical nerve stimulation; TNS, trigeminal nerve stimulation; tPCS, transcranial pulsed current stimulation; tRCS, transcranial rippled current stimulation.” The table also indicated that the Ultracortex ‘Mark IV’ EEG Headset uses EEG, MEG and ECG; that the Cefaly uses external tRNS; and that the Thync uses tDCS; in fact, the Ultracortex uses EEG, EMG and ECG; the Cefaly uses external TNS; and the Thync uses tDCS and TENS. The manufacturer of the Cefaly was given as Roxon (Canada); the correct manufacturer is Cefaly Technology (Belgium). The table heading “Type of data collected” should have read “Type of data collected or stimulation.” The errors have not been corrected in the original article. A corrected Table 1 appears here.

Table 1 | Neurotechnologies that are already marketed DTC

Device name	Manufacturer	Type of data collected or stimulation	Connectivity	Price*	Advertised uses	Ethical concerns
Neuromonitoring headsets						
Muse	InteraXon (Canada)	EEG	Wireless	\$249.00	Elevating meditation experience	Privacy, data security, informed consent, reliability
Insight	Emotiv Systems	EEG	Wireless	\$299.00	Self-assessment, cognitive training, research, device control	
Epoc+	Emotiv Systems	EEG	Wireless	\$799.00	Self-assessment, cognitive training, research, device control	
Necomimi	Neurowear (Japan)	EEG	Wireless	\$49.00	Augmentation, device control	
MindWave Mobile 2	Neurosky	EEG	Wireless	\$99.99	Self-assessment, meditation, gaming, device control	
Ultracortex 'Mark IV' EEG Headset	Open BCI	EEG, EMG, ECG	Wired	\$499.99-599.99 (unassembled)	Self-assessment, cognitive training, research, open development	Safety, privacy, data security, informed consent, reliability
Sleep Shepherd Blue	Sleep Shepherd	EEG (with binaural beat biofeedback)	Wireless	\$199.99	Improved sleep efficiency	
Neuromodulation tools						
GoFlow	Foc.Us (US/UK)	tDCS	Wired	\$139.00	Improved concentration, brain training	Safety, privacy, data security, informed consent, reliability
Focus V3	Foc.Us (US/UK)	tDCS, tRCS, tRNS, tPCS, tACS	Wireless	\$399.00	Improved concentration, brain training	
Cefaly	Cefaly Technology (Belgium)	External TNS	Wireless	\$349.00	Treatment and prevention of migraines	
Thync	Thync Global	tDCS, TENS	Wireless	\$150.00	Improved sleep efficiency, stress release	
Fisher Wallace Stimulator	Fisher Wallace Laboratories	CES	Wired	\$699.00	Treatment of depression, anxiety and insomnia	

*Price, as of May 20, 2018. CES, cranial electrotherapy stimulation; ECG, electrocardiography; EMG, electromyography; TENS, transcutaneous electrical nerve stimulation; TNS, trigeminal nerve stimulation; tPCS, transcranial pulsed current stimulation; tRCS, transcranial rippled current stimulation.

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