

Neuroscientific and social entrepreneur leads the management and strategy at Neuro Audit.
Dan is experienced in marketing & technology development
Co-founder at NeuroAudit®ltd and focusing on communications with the market and clinical impact.

Dan's commitment and passion beyond a business perspective is to volunteer in a variety of technology projects.

Dan Anzyo publication about "Noninvasive apparatus and method for cranial brain stimulation"
".imedpub.com/abstract/noninvasive-apparatus-and-method-for-cranial-brain-stimulation-28310.html"

Noninvasive apparatus and method for cranial brain stimulation

The presence of NeuroAudit innovation relates to non-invasive brain stimulation, more particularly relates to non-invasive brain stimulation in order to create side effects of technology - cognitive and clinical effects.

BACKGROUND

1) Ultrasound (US) has received widespread attention as an emerging technology for targeted, non-invasive neuromodulation based on its ability to evoke electro-physiological and motor responses.

As the focusing is achieved through constructive interference of the incident waves, a focal spot can be formed at depth within the tissue without affecting cells along the propagation path closer to the transducer.

2) Hearing is a recognized auditory effect that allows humans to perceive sounds of a much higher frequency than would ordinarily be audible using the physical inner ear, usually by stimulation of the base of the cochlea through bone conduction. Normal human hearing is recognized as having an upper bound of 15–28 kHz, depending on the person.

NeuroAudit researchers say that to better understand the clinical side we need to understand the auditory cortex is the part of the temporal lobe that processes auditory information in humans and many other vertebrates. It is located bilaterally, roughly at the upper sides of the temporal lobes. The auditory cortex takes part in the Spectro temporal, meaning involving time and frequency, analysis of the inputs passed on from the ear.

The cortex also filters and passes on the information to the dual-stream model of speech processing. The auditory cortex is the most highly organized processing unit of sound in the brain.

Neurons in the auditory cortex are organized according to the frequency of sound to which they respond best.

NuroAudit researchers Believe that ability has been found to an innovative Psychoacoustics Neuromodulation technology to treat steered Brain disorders.

NeuroAudit researchers say that currently, there is no cure for Alzheimer's.

Dan Anzyo has conceived an invention that allows a step forward in the use of brain stimulation via the blood for new applications such as creating a new sensation in the brain and in the treatment of a number of brain diseases such as mentioned above.

The processing of speech, including linear reasoning functions of language such as grammar and word production, takes place in the left cerebral hemisphere where Broca's and Wernicke's areas are located.

Extracting oxygen from the blood flow is essential to brain function. Thus, measuring oxygen levels in the blood flow can be utilized in a variety of ways for evaluating brain function (Which has clinical and cognitive impact).The ability developed in NeuroAudit allows of a conscious and unconscious effect that has clinical and cognitive impact.

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Session name/ number:

Category: (Poster presentation)