



Short Review Paper

Inverse Theta Wave (ITWvd) verification device

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Abstract

To resolve the never ending conflict between existence and non existence of the phenomenon called “Consciousness”, I suggest a simple technical verification device. A technical facility is conceived to measure and record electrically produced graph or tracing of electrically stimulated signal around 5Hz Theta wave and above, by Non local Consciousness. This device is intended to be installed in an Operation Theater. This experimental set up is called Inverse Theta Wave (ITWvd) verification device.

Keywords: Local Theta brain wave, Non local Consciousness.

Introduction

Everyday, many patients are declared clinically dead under situations of cardiac arrest in myocardial infarction; cerebral infarction; distress in postpartum loss of blood or in perioperative complications; electrocution; apnea; coma ensuing from traumatic brain injury; intracerebral hemorrhage; suicide attempt; near-drowning or asphyxia; and severe depression etc.

Also there are cases of untimely clinical death, known to be occurred at the beginning of anesthesia or soon after administration of anesthesia, also during operation or after the operation and after the time period of anesthesia effect is over. There has been such report of disembodied Consciousness without any life-threatening conditions¹.

However, several patients come back to senses and narrate a condition, which is considered as an experience of Non local Consciousness²⁻⁵.

Living human always displays energetic brain activity, which is well known by the recordings of Electroencephalography (EEG). EEG signals of energetic activity observed are called delta waves. A delta wave produced from deep sleep called slow-wave sleep is between 0–4 hertz and Alpha of 8–12Hz detected strongest neural activity in the occipital lobe during awake and relaxed condition of the “self Awareness”. This signal has to convert further from 5 Hz and above frequency. The theta rhythm (5-7.5Hz) recorded from the frontal and temporal regions of the brain, and regularly found in kids with behavioral disorders or, in general, pathological states of the brain. The presented result does correspond the normal humans’ brain function relating dream state and self awareness signal having 5-8Hz frequencies, which are recollected as the faint visuals perceived because of very low energies of $2.0678e^{-14}$ eV

to $3.3085e^{-14}$ eV. Indeed, all humans’ brain activity has 5-7Hz rhythms and increase further. In my article of 2013, it was confirmed that the Self Awareness brainwave signals are active from 5Hz Theta oscillation and above and not before 4 Hz and below frequencies. The Self Awareness has also a “witness” function, which then allows individual to register the objective perception and recount. In 0 to 4 Hz frequency, the individual is in Deep Sleep and never narrates that condition⁶.

Between 8Hz and 12Hz of brain waves of certain intensity of images of higher resolution are carried. The individual recollects and narrates those images. The low intensity of image resolution, which appears between 5 and 8Hz, example 7Hz = $2.8950e^{-14}$ eV, of brain frequency is not clearly remembered. In other cases, the frequencies are near to waking state as the intensity is of higher frequency, 10Hz (actually it is 9.671 957 39(21) Hz= $4.1357e^{-14}$ eV, hence the possibility of remembrance⁵.

Purpose: Based on earlier results through EEG recordings collected in 2011 for my previous article 2013, an ultra experimental facility in Operation Theater is presented for measuring and recording of Non local Consciousness in cases of pronounced clinical death or delay in returning to wakeful state by patient after the operation, after the effect of anesthesia is ended and resuscitation attempts did not result in reversing the patient to consciousness.

In a Non local condition, the Self Awareness signal is assumed to be “cut-off” from its physical sense connectivity and from organs of perception and brain. The patient was under the influence of anesthesia and was not reversing back to wakeful state, which forced the doctors to declare that the patient is “Clinically dead”. This experimental verification may be called Inverse Theta Wave (RTW) detection method.

Expected results

As per the description of Non local condition, the individual's consciousness is active with Self Awareness frequency including active Visual and Audio sense. Otherwise, there should not be perception and recollection. For this reason, "Electrograph of Inverse Theta Wave" (ITW) verification devices are designed to record electrically produced graph of 5Hz to 8Hz or above, from the room environment, installed in Operation Theater.

Discussion

As the narration illustrates, in non- local state of Consciousness, the sense functions are active through "Self Awareness signal" though the association with instruments of perception and brain is disconnected. This condition is also known to all, when every human experiences of "Seeing" and "Hearing" in dream state, which is also due to "Senses" are active without the link with external sense organs. However, in dream, the Consciousness is Local i.e. within brain function.

The cases of seeing ones own body even by a blind person in Out of Body experience is known⁷.

It appears that the Consciousness "*itself*" as Self Awareness through active Sense, perceives the external world. Whether embodied local or non local, Consciousness *is* the active perceiver and source of recollection.

Consciousness cannot be detected directly, because it does not have a tangible physical attribute. In that case, it would have been observed long back. A unique reaction to identify Consciousness is only by its activity, elucidated here as Inverse Theta Wave emission. This requires a large detector installation in order to detect an induced electrical signature by incorporeal active Consciousness in a non- local state, in the Operation Theater environment. This detection method requires the Consciousness to stimulate minimum threshold energy frequency of 5Hz Theta Wave or above. So far, there is no detection method for such an extreme low energy in any given atmosphere. In the sense that potential Consciousness activity interactions cannot be uniquely distinguished from other causes in the Operation room background which has much higher electromagnetic energy emission by the lights and sounds produced by the apparatus. Hence, before and after the arrival of the patient, recording of the natural environment must be done, which will then be removed as artifact during and after Inverse Theta Wave detection.

The veridical evidence of Non local Consciousness with active Self Awareness is potentially achievable by its own induced signal from non-local position, as it does in embodied condition. This experiment requires manufacturing of super or hyper sensitive detecting, measuring, recording devices with proper environment, and multiple installations of extreme subtle energy

sensitive sensors of the arrangement similar to EEG wires in large numbers.

There has to be electromagnetic frequency associated with active Self Awareness through active audio visual senses which gives an opportunity not only to "communicate" with Non local Consciousness but also to observe response, which will be induced Inverse Theta Wave between 5Hz and 8Hz or above around Beta wave of 13–30Hz.

The communication will be of any type of audio (verbal) or (printed) visual display, to which some reaction of measurable degree is expected in the atmosphere of the room. The suspended sensors should receive that signal and recording device will show immediately the detected signature in a graph of minimum or higher than 5Hz intensity.

Multiple extra sensitive measuring sensors similar in design of EEG wires in large numbers will be suspended from the ceiling in the regular operation theater. These should be of the dimension and lightness of optical fibers, separated individually (not in a bunch as in cable). With it, other recording systems are attached and kept away from regular mechanical apparatus in the room. It must be taken in account that there is no way to predetermine which patient will have Non local experience and at what time. Perhaps one in 100 patients or that one will be in any of the first 10 patients. Also, in case of some phenomenon called Near Death Experience (NDE), which is according to their narrative, is in a non physical universe⁸. There is no method of identifying or computing Consciousness in such condition.

In these investigations, it is not recommended to have any physical contact with the patient, who is declared clinically dead. However, the cardio graph, EEG measuring device and other resuscitation mechanism must be kept connected to the patient to observe possible reversal of consciousness. No volunteers should be involved for such experiment.

This verification facility is only and strictly for the patient's condition that is pronounced "Clinically dead", which means, no signal on encephalograph i.e. flatline, no indication of heart beat on cardiograph, no blood pressure literally no indication any life related activity. This technical verification is not meant for individuals who take hallucinogen or administer themselves some anaesthetic drug like Ketamine or Propofol or any other lethal drug. I consider it illegal and unethical, also, not for those, who put on some kind of machines on their heads. They are neither "Clinically dead" nor pronounced dead.

Conclusion

In a condition of Non local Consciousness, the Self Awareness signal is "cut-off" from sense connectivity with organs of perception and brain function, called clinically dead in operation theatre. The Consciousness with Self Awareness is in non

spatiotemporal, incorporeal and zero gravity state, however, the Senses are active.

To take further this research in detecting and measuring active Non Local Consciousness, a suitable environment of complete tranquility with extremely sensitive technology and appropriate funding is required. This will be one of its kinds an Operation Theater with above mentioned Extra Sensitive sensors called Inverse Theta Wave (RTW) recording arrangement for induced frequency around 5Hz installed with related technology.

References

1. Facco E. and Agrillo C. (2012). Near-death-like experiences without life-threatening conditions or brain disorders: a hypothesis from a case report. *Frontiers in psychology*, 3, 490. doi: 10.3389/fpsyg.2012.00490
2. Van Lommel P., Van Wees R., Meyers V. and Elfferich I. (2001). Near-death experience in survivors of cardiac arrest: a prospective study in the Netherlands. *The Lancet*, 358(9298), 2039-2045.
3. IANDS (2015). International Association for Near Death Studies. Web: <http://iands.org/home.html>
4. Parnia S., Spearpoint K., de Vos G., Fenwick P., Goldberg D., Yang J. and Wood M. (2014). AWARE-Awareness during REsuscitation—A prospective study. *Resuscitation*, 85(12), 1799-1805.
5. Katkar N. (2013). Neurophysics of Self Awareness and Memory. *Research in Neuroscience*, 2(1), 11-18. doi:10.5923/j.neuroscience.20130201.02
6. Katkar N. (2012). Self-Awareness and Memory. *Journal of Consciousness Exploration & Research*, 3(10), 1124-1132.
7. Ring K. and Cooper S. (1999). Mindsight: near-death and out-of-body experiences in the blind. *Palo Alto: William James Center for Consciousness Studies*.
8. Greyson B. (2007). Consistency of near-death experience accounts over two decades: Are reports embellished over time?. *Resuscitation*, 73(3), 407-411.