

Biofield Viewer Changes from the Meditation on Twin Hearts and Divine Healing

Jeffrey Tarrant, PhD, BCN, DCEP. University of Missouri-Columbia, (dr.tarrant@hotmail.com)

Neus Raines, PhD, Certified Pranic Healer. European University Business School, San Diego, (neus@pranichealing.com)

Wayne Blinne, MA. (wayneb7@gmail.com)

Background:

What is a Biofield?

The National Institute of Health recognized the term biofield beginning in 1994 to describe naturally occurring energy fields of the body. While many believe these fields are electro-magnetic in nature, there are a growing number of scientists that believe the biofield to contain additional information that includes nonclassic and quantum energy fields (Rubik, 2002). These fields are believed to interpenetrate and exist outside the physical body. All varieties of Energy Medicine, Energy Psychology and Energy Healing work with these fields in one way or another.

Biofield Viewer

The Biofield Viewer is software used within a controlled imaging environment to visualize the light photon interactions between the light source and the human biofield (Streeter & Catchpole, 2014). The Biofield Viewer program compares the reflected rays with the incident rays and then re-codes them and produces a biofield image. Thus, it is a digital encoding system and the smallest differences in density of photons is recorded and viewed on a computer screen using color coding. The Chakra Viewer application of the software applies filters which smooth the data into distinct bands. This process allows for closer examination of the chakras and potential emotional, psychological or spiritual aspects of the biofield (Streeter & Catchpole, 2014).

Objectives:

1. To determine if the biofield changed substantially as a result of completing the THM.
2. To assess whether the biofield of novice and experienced meditators changed differentially.
3. To examine any qualitative and EEG changes that occur during Divine Healing.

Methods:

12 novice meditators (very little to no history of meditation experience) and 12 experienced THM meditators (at least 1000 hours with THM), had their biofields imaged before and immediately after completed a 30 minute recorded version of the Twin Hearts Meditation for Psychological Self-healing. Images in both the biofield viewer and chakra viewer modes were analyzed for each subject. Data was analyzed through Image J software to determine the number of red, green and blue pixels in each image.

Twin Hearts Meditation Results:

The Biofield Viewer results before and after the Meditation on Twin Hearts are presented in an aggregated format by meditator group (novice or experienced).

Table 1: Biofield Viewer Changes by Meditator Type before and after the THM

	Biofield Viewer						Chakra Viewer					
	Exp Pre	Exp Post	p	Nov Pre	Nov Post	p	Exp pre	Exp post	p	Nov pre	Nov post	p
Red	118.63	118.2	0.4	117.79	120.49	0.08	117.94	117.55	0.41	117.71	121.37	0.04
Green	122.92	123.1	0.47	122.71	123.53	0.26	123.39	123.68	0.45	123.2	123.65	0.36
Blue	122.03	123.92	0.15	121.06	124.55	0.07	122.56	124.05	0.211	120.28	123.46	0.09
RGB	121.19	121.73	0.29	120.5	122.85	0.01	121.29	121.75	0.33	120.38	122.82	0.01
RGBweight	121.53	121.72	0.44	121.03	122.73	0.001	121.65	121.87	0.43	121.2	122.94	0

Notes: all values refer to the average amount of pixels in the images examined. RGB is red+green+blue/3; RGBweight is .299R+.587G+.114B/3

The experienced meditators did not show any significant changes pre to post THM on either the Biofield Viewer or Chakra Viewer modes of analysis. The novice meditators showed significant increases in both modes when examining all colors combined. In the chakra viewer mode, there was also a significant increase in red pixels post THM.

These results are consistent with EEG data collected in this study and suggests that the experienced meditators have a more stable or coherent biofield. Having engaged in this and other meditations for more than 1,000 hours previous to this study, it makes sense that another meditation would not do much to alter their biofield. On the other hand, novice meditators, with almost no previous background in meditation showed significant increases in RGB combined as well as red. This may suggest that the THM has a more significant immediate impact on novice meditators while it serves to help experienced meditators maintain their already coherent biofield. This is supported by comparing pre-post changes in individual meditators of both groups.

Notice below the great amount of variability in the red voxels pre and post THM for the novice meditators. Notice below the consistency both within and between experienced subjects. This type of qualitative analysis suggests that, as a group, the experienced meditators are very similar and consistent while the novice meditators have much more variability.

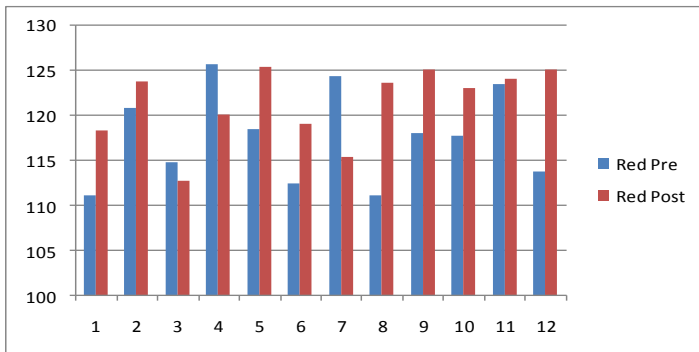


Figure 1: Novice meditators, red voxels, chakra mode, pre and post THM.

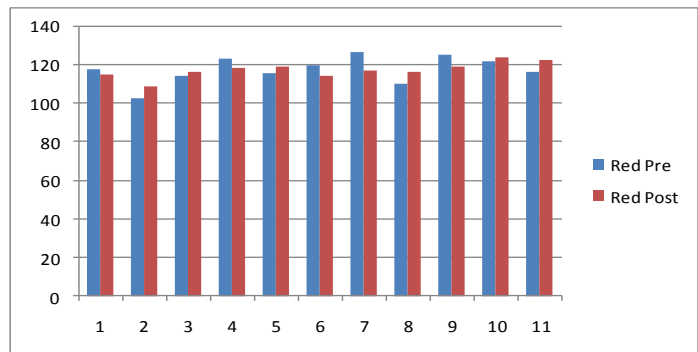


Figure 2: Experienced meditators, red voxels, chakra mode, pre and post THM.

Divine Healing Results:

Divine Healing was performed to a subject. The divine healing lasted around 1min. Below are the Biofield Viewer pictures of the process.

EEG Results Before Divine Healing

The head map images below depict the subject's EEG activity in relation to a normative database. The key under the head maps shows that areas in the middle of the key (green) are within the average range ($z = 0$). As brainwave activity moves away from average, the colors become brighter or cooler to signify either significant increases or decreases in activity compared to average.

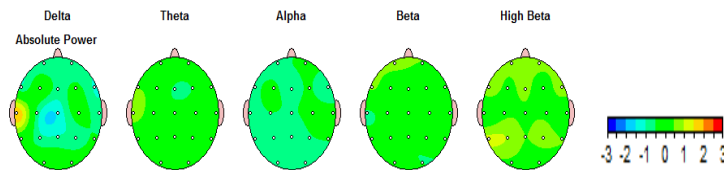


Figure 3: Before Healing brain waves distribution with respect to normative database

Coherence is a measure of the degree of connectivity between specific brain regions. The analysis below is comparing the subject's brainwave activity to a normative database. Connections with significantly more coherence than average are indicated with red lines (hypercoherence). The thicker the line, the more significant the level of hypercoherence. Connections with significantly less coherence than average are depicted with blue lines (hypocoherence).

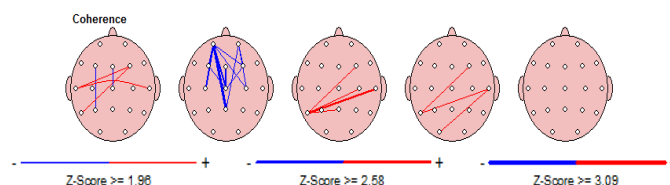


Figure 4: Before Healing Coherence brainwaves compared to a normative database

During the baseline recordings, it is clear that this subject's EEG activity is largely within the average range (green) across all bands (e.g., delta, theta, etc.). There are relatively few coherence patterns outside of the expected range with some theta hypercoherence in frontal areas being the most dominant pattern.

EEG Results During Divine Healing

While this subject was receiving the Divine Healing (approximately 1 minute), she shows dramatic increases in both fast (beta, high beta) and slow (delta) activity. This activity is predominant in frontal and occipital regions of the brain.

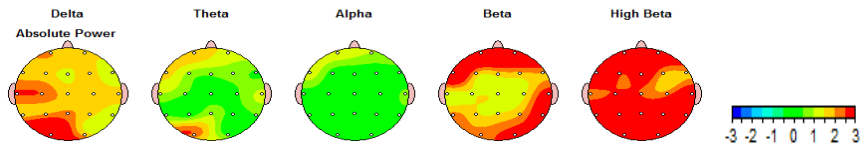


Figure 5: During Healing brain waves distribution with respect to normative database

During the Divine Healing, this subject's coherence pattern changes dramatically, again, mostly in the fast and slow EEG patterns. In the delta range, she shows a great deal of hypercoherence globally, with a focus on frontal regions. The fast activity also shows global hypercoherence, but with a focus in occipital regions.

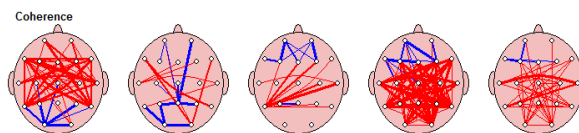


Figure 6: During Healing Coherence brainwaves compared to a normative database

EEG Results Immediately After Divine Healing

Immediately after the Divine Healing, it is clear that the subject's brain is slowly beginning to return to its baseline condition. However, there continues to be significant increases in both delta, beta and high beta in the same locations.

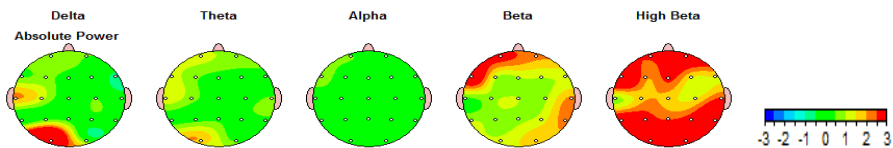


Figure 7: Immediately After Healing brain waves distribution with respect to normative database

The delta hypercoherence clears up relatively quickly after the divine healing as does the high beta hypercoherence. However, it is clear that the beta hypercoherence is continuing to display significantly abnormal patterns.

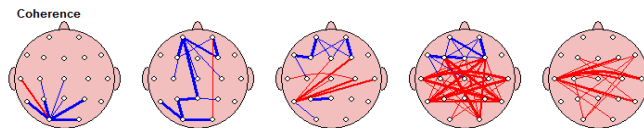


Figure 8: During Healing Coherence brainwaves compared to a normative database

Acknowledgments:

The development of this research as well as the presentation of the results at the first PH R&D Conference has been possible thanks to The Center for Pranic Healing, Pranic Healing USA. Thank you very much to the 24 subjects for their time and cooperation.

References:

- Rubik, B. (2002). The biofield hypothesis: it's biophysical basis and role in medicine. *Journal of Alternative and Complementary Medicine*, Dec; 8 (6): 703-17.
- Streeter, T. & Catchpole, J. (2014). *Biofield Viewer 3.0 User Manual*