Journal of Neurotherapy: Investigations in Neuromodulation, Neurofeedback and Applied Neuroscience

Editorial

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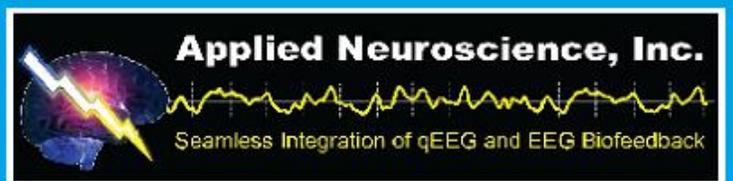
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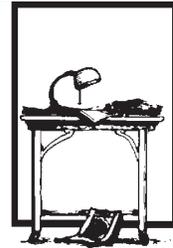
This issue of the *Journal of Neurotherapy* (JN) brings a time of change as I have been appointed the Editor. Our former Editor, David Trudeau, MD, guided the JN through six volume and the changes within these six years have been outstanding. Over these years, I have watched the JN, or "the *Journal*" grow with the publication of stronger and stronger articles in the field of neurotherapy, neurofeedback, or EEG biofeedback and quantitative EEG. A few of Dr. Trudeau's accomplishments during this leadership are: the JN has a permanent home with The Haworth Press, development of a Clinical Corner section to assist the clinician with up-to-date ideas, special issues as a means of focusing on a particular area such as QEEG databases and hemoencephalography, publication of a position paper entitled, "Standards for the Use of Quantitative Electroencephalography (EEG) in Neurofeedback: A Position Paper of the International Society for Neuronal Regulation," and a constant and consistent call for clinicians to publish clinical research outcome data.

This final point by Dr. Trudeau is the starting point of my role as Editor. We need to continually publish clinical outcome data and scientific research in the *Journal*. This objective publication will assist members and non-members in learning more about the effectiveness of treatment on neurological problems. In the last few months, several International Society for Neuronal Regulation (ISNR) members have asked me what they can do to help the *Journal*. At first I did not have much of a response, but now that we have put this first issue together I have a response. Begin-

ning with the publication of this issue, my response will be, "You can help by publishing your clinical outcome data." Publications will help to grow this field as other members can see your methods and documented changes in behavior or test data.

It was 11 years ago that I first started learning about quantitative EEG and neurotherapy. This was a young field with limited technology, but there were many clinicians and researchers with a desire to teach others. My first conference (in Las Vegas, NV) was an eye-opening experience as I learned new information from pioneers in this field. Since that time, our ISNR Annual Conference has seen dramatic growth in clinicians and researchers. In this same time period, we have seen significant changes in computer technology. In the "old days" the large files of QEEG data were difficult to store. We had to use tapes for storage and transfer of data. Today we generate images quickly, storage capacity is nearly unlimited, and the internet has given us the ability to quickly send data, ideas, and information to other clinicians. While the technology of today (e.g., internet, email, digital pictures, CD-ROM, and faster processors) seems common place, it shows how quickly we have used and integrated technology in the diagnosis and treatment of symptoms. The field of neurotherapy has a parallel with this technology in that today data processing from QEEGs can create models of the electrical changes of the brain nearly instantly. These models that can guide our treatment of clients were inconceivable 10 years ago.

Based upon the models of today, the review paper by Cédric Arrouët et al. in this issue takes this technology the next step toward real time data analysis and presentation. He and his co-authors show us where we could be in the near future. This issue also contains outcome data of treatment with intrahemispheric training, and case studies by Dr. Hammond with a little-known treatment protocol. Also included are the student scholarship presentation winners along with the ISNR supported research abstracts from this year's conference. Selected abstracts from the E-ISNR meeting are published. As you review and read these articles and abstracts, think about your data that could be submitted for publication to the JN.

I would like to thank the ISNR Board and David Trudeau, MD, for the opportunity to edit the *Journal*. The last few months have been busy with a lot to learn. Darlene Nelson, MA, the Managing Editor of JN, has shown tremendous patience with me as I have adjusted to the duties of an editor. Finally, thank you David Trudeau for all you have done for the *Journal;* your contribution will never be forgotten.

Tim Tinius, PhD
Editor