January 2025

DWL Alumni News

Up to date TCD information

1st Edition
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Welcome to the DWL Transcranial Doppler (TCD) Newsletter!

Dear DWL Users:
We are thrilled to bring you the latest updates and insights into the world of Transcranial Doppler (TCD) technology. At DWL, we pride ourselves on our innovative strength and commitment to excellence. This newsletter aims to keep you informed about the advancements in TCD, the benefits it offers, and how it continues to make a difference in the medical field.

Compumedics DWL: A Tradition of Excellence

With over 10,000 installed bases worldwide, DWL stands as a market leader in the field of Doppler sonography. Our brand represents high-quality products and the latest technology, rooted in the German tradition of quality engineering. With over 30 years of experience.

Dr. David Newell is making great strides in "B" Wave research.

The "Frontiers B Wave Publication" explores the relationship between intracranial B waves and slow spontaneous oscillations in cerebral blood flow (CBF) and cerebrospinal fluid (CSF) using various measurement techniques.

- **Study Objective and Methods**: The study aimed to establish the relationship between intracranial B waves and slow oscillations in CBF and CSF by analyzing previously published transcranial Doppler (TCD) and intracranial pressure (ICP) recordings, comparing them to MRI measurements of CBF and CSF oscillations.12
- **Findings on B Wave Activity**: In patients with significant B wave activity, MCA blood flow velocity oscillations had a maximum amplitude at 0.0245Hz, with a frequency range of 0.6–2.3 cycles per minute, similar to MRI-measured CBF oscillations.23
- **Conclusions and Implications**: The study concludes that TCD and ICP recordings of intracranial B waves share similar frequency ranges and morphological features with MRI-measured CBF and CSF oscillations, suggesting a common physiological mechanism that may drive CSF movement and facilitate glymphatic flow.

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Congratulations Dr. Yasaman Pirahanchi!

Dr. Pirahanchi was honored with the MCKINNEY award at the 2024 American Society of Neuroimaging Conference.

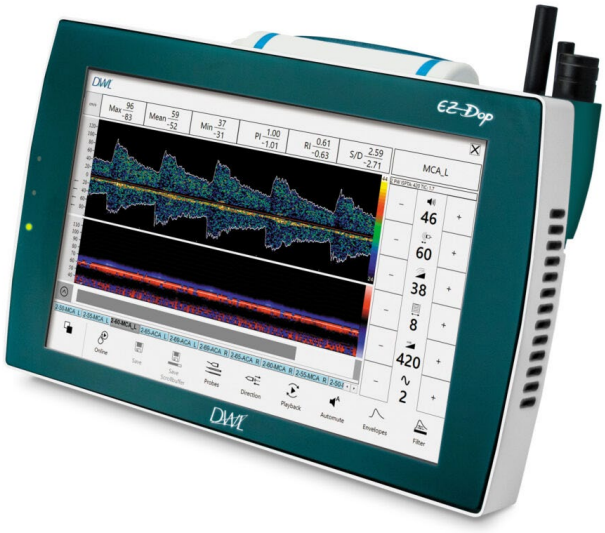
The McKinney Award is for the best abstract submitted by a student, resident or fellow. The abstract must be based in basic or clinical research in neurosonology.

DWL USA will be attending numerous conferences in 2025. We will do our best to keep you posted on upcoming events here and throughout the world.

DWL's Multi-Dop T

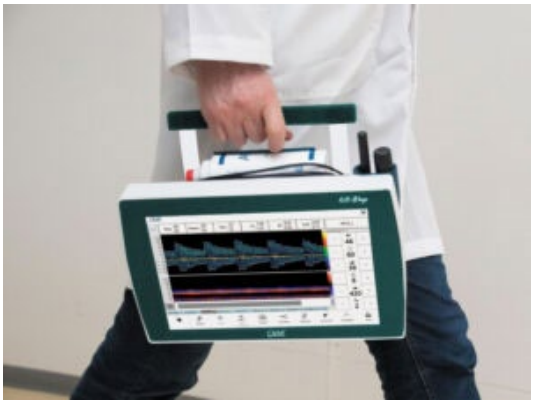
Complete Portable TCD with touchscreen and keyboard

We are asked to do TCD demonstrations quite often and we wanted to let you know that a TCD demo can take place on-line anytime! We use MS-Teams to accommodate the needs of our customers. This allows participants that are not on-site to attend the demonstration from their location. If you know of anyone that is in need of a new or replacement TCD, please let us know or just forward them this link: Contact us for a TCD demonstration.



DWL's EZ-Dop

Complete Portable POC TCD with touchscreen



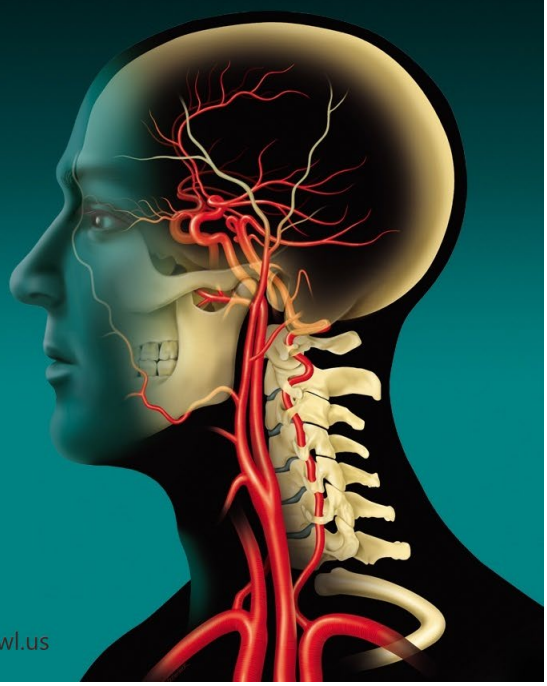
Our new "EZ-Dop" is about ready to start shipping!

This compact "Point Of Care" TCD is designed for daily, routine use and is simple to operate with our new QL software.

This POC TCD system is ready for Routine Diagnostics in versatile medical settings. Compact, portable and efficient with touchscreen and battery option. Easily integrated into clinics, ORs, ICUs, and medical practice.

On behalf of DWL USA, we thank you for your patronage and look forward to continuing new and ground-breaking TCD methods and uses to improve patient care.

We would love to hear from you.
If you or someone you know has a TCD story worth sharing,
Let us know.
Send us contact info and we will work on including it in our next newsletter.



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