



## FOR IMMEDIATE RELEASE

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The **SOFi M<sup>2</sup>™** and Acoustic Myography (AMG): A real “Game-Changer” for ALL Sports Medicine Doctors, Athletic Trainers, Coaches and Athletes of all ages to improve health outcomes, prevent injuries and enhance performance.

If you are a sports medical doctor, athletic trainer, coach or athlete who wants to take their performance to the next level, you need to know about the NEW and Improved **SOFi M<sup>2</sup>™** and acoustic myography. This is a revolutionary diagnostic technology that can measure, with 100% repeatability and accuracy, the function of skeletal muscles, suspensory and ligaments in real-time while they are in motion. It can help identify muscle imbalances, locate injuries, monitor rehabilitation, and optimize training protocols.

AMG and the **SOFi M<sup>2</sup>™** can also be used to detect and measure the hydration content of muscles along with orthopedic techniques for rehabilitation by providing accurate and reliable assessment of muscle performance and recovery. Muscle hydration is one of the most important elements for maintaining muscle function and preventing injuries. AMG can detect changes in muscle hydration by analyzing the sound waves generated by the muscle fibers while active. The **SOFi M<sup>2</sup>™** can display the results of its AMG via the patented **SOFi™ Score** biofeedback medical analysis report on a smart phone, tablet or a cloud platform, allowing users to track their muscle hydration status and adjust their fluid intake accordingly.

HOW can the **SOFi M<sup>2</sup>™** and AMG benefit you?

The **SOFi M<sup>2</sup>™** and AMG can provide you with valuable information about your muscle function that you cannot get from other medical instrument devices available, such as sEMG or other traditional imaging devices. By using this technology, **SOFi™** can:

- **Detect changes in muscle hydration content by measuring and analyzing sound waves generated by the muscle fibers.**
  - **Detect muscle imbalances that may affect your Balance, Strength, and Performance.**
  - **Locate muscle injuries that may not be visible or palpable.**
  - **Monitor muscle recovery and healing after injury or surgery.**
  - **Evaluate muscle response to different treatments, such as medication, therapy or supplements.**
  - **Optimize muscle training by adjusting intensity, frequency, duration and type of exercise.**
  - **Prevent muscle injuries by identifying risk factors and implementing preventive measures.**
  - **Enhance muscle performance by improving coordination, timing and overall symmetry.**
- **Muscle hydration assessment:** **SOFi M<sup>2</sup>™** and its AMG **SOFi™ Score** Report can provide insights into muscle hydration levels, which is important for optimal muscle function. By monitoring acoustic signals, the **SOFi M<sup>2</sup>™** can help assess the hydration content of muscles and guide hydration strategies to improve performance and prevent muscle cramps.
  - **Sports rehabilitation:** Accurate assessment of muscle performance and recovery is crucial for effective sports rehabilitation. The **SOFi M<sup>2</sup>™** can provide real-time feedback on muscle function, allowing athletic trainers and therapists to monitor progress, adjust rehabilitation programs, and make informed decisions about when an athlete is ready to return to full activity.
  - **Injury prevention:** By tracking changes in acoustic signals over time, the **SOFi M<sup>2</sup>™** can help identify potential muscle imbalances or weaknesses that may predispose athletes to injuries. Coaches and athletic trainers can then develop targeted training programs to address these issues and reduce the risk of injuries.
  - **Performance enhancement:** Acoustic myography can provide valuable information about muscle activation patterns and fatigue levels during training and competition. By analyzing these signals, the **SOFi M<sup>2</sup>™** can assist in optimizing training protocols, identifying areas for improvement, and enhancing overall performance.



Taking Acoustic Myography to a Higher Power™



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Real Time Reports **SOFi M<sup>2</sup>** by AMT



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The **SOFi M<sup>2</sup>™** has many applications and benefits for different medical modalities in both humans and animals.

For example, it can be used by:

- Medical professionals to diagnose and treat various conditions that affect muscle function, such as Parkinson's disease, stroke, multiple sclerosis, muscular dystrophy, etc.
- Sports medicine specialists to optimize training, prevent injuries, enhance recovery and improve overall muscle performance of amateur and professional athletes of ALL ages.
- Equine veterinarians to detect and manage lameness, muscle atrophy, back pain, saddle fit issues, etc. in horses.
- Canine veterinarians to assess and treat musculoskeletal problems, gait abnormalities, arthritis, etc. in dogs.
- Researchers to study the effects of different interventions, such as exercise, nutrition, medication, etc. on muscle function, health and wellness.

The **SOFi M<sup>2</sup>™** is a revolutionary diagnostic biofeedback medical instrument that can help you achieve better health and performance outcomes. If you are interested in learning more about the **SOFi M<sup>2</sup>™** or booking a Live demo or a baseline test, please visit <https://myographytech.com/> or contact Advanced Myographic Technologies direct at [mail@myographytech.com](mailto:mail@myographytech.com).