

June 22, 2020

Dear TRT:

I have promised over the years to write a letter describing my experience with the TRT orthogold machine and with the COvid-19 pandemic I finally have time to produce one. I will start by stating I have been practicing at a tertiary care referral center specializing in foot and ankle surgery for the past 25 years and my practice involves taking care of many professional athletes through my roles as a team physician. I knew almost nothing about shockwave therapy when I contacted you 8 years ago and my main goal was to see if ESWT could help my sons' tibia non-union heal. After researching many of the available shockwave machine I was convinced your machine had the best technology/biology for both bone and soft tissue indications and I purchased an orthogold machine. I used it twice a week at home on my son's tibia (he healed completely after 6 weeks of treatment) and started expanding the indications especially for plantar fasciitis. My success with this initial limited indications promoted me to expand my knowledge of shockwave therapy and now it has been an integral part of my practice. I will breakdown my specific indications I currently use it for.

1. Enthesopathies (inflammation where tendons attach to bone): the most common indication for our office is plantar fasciitis. We just submitted our paper to a journal of over a 100 patients which showed 80% effective using the soft wave technology(no anesthesia needed) for patients with over 3 months of pain. This study adds to the literature that clearly shows that ESWT should be the procedure of choice for ESWT. ESWT has been a game changer and these patients now rarely require surgery. We are currently looking up our results with insertional achilles tendinopathy and expect equally successful results.
2. Stress fractures and delayed unions of osteotomies: have used this extensively to enhance fracture healing and there is good published studies that have shown excellent results to enhance fracture healing.
3. Tendon Injuries: Mid-substance achilles degeneration and partial tears are an excellent indication. We often combine this with PRP(platelet rich plasma) as shockwave has been shown to enhance the biological properties of PRP.
4. Wounds: diabetic wounds and postop wounds The FDA has recently approved this modality for diabetic wounds and some of the most dramatic success stories I have had involve enhancement of wound healing via angiogenesis and growth factor production.

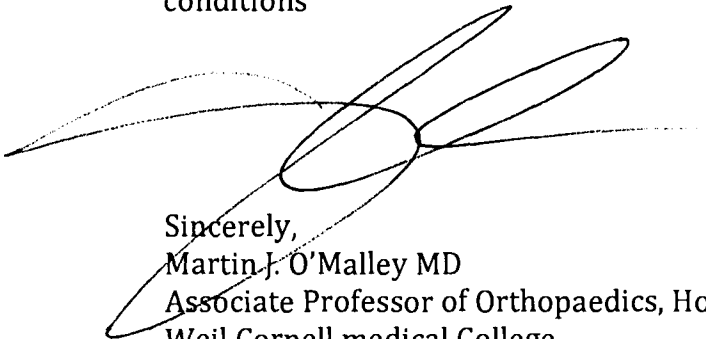


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In short. ESWT using the Orthogold machine is one of our most commonly employed biological treatment modalities that we employ and is well tolerated by the patients and has produced markedly improved clinical outcomes compared to other modalities. We have used it on over 100 professional athletes and many of the teams have purchased a unit to use at their training facility. ESWT is a proven modality for a variety of orthopaedic conditions and the Orthogold machine produces a true medical shockwave that induces the appropriate biological response that we are seeking. Many of the machines currently marketed are ballisitic radial devices (EPAT, RSWT) that do not produce a true medical shockwave according to the ISMT (International Society for Medical Shockwave Treatment) and do not achieve enough tissue penetration to be effective. However, I am confident that if you choose a machine that produces a medical shockwave your patients will respond positively. Furthermore, I urge you to look closely at the TRT machine with both focused and unfocused (softwave technology) as I believe it is the most versatile and effective machine to treat a wide range of musculoskeletal conditions



Sincerely,

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