Evolved
Dornier Aries® 2
Treatment
Vacuum pumps for impotence were designed in the late 1800s, and adopted in the early 1900s. The inflatable penile prosthesis made its first appearance in the early 1970s. PDE5 Inhibitors were first discovered in 1980.

It's been over 30 years, but we're still using the same methods to treat Erectile Dysfunction since before the iPod was invented.

We think it's time for a change. Patients who don't normally respond to PDE5i don't have to give up all hope. Mild-ED patients can potentially move off drug therapy. 100% Natural, Drug-Free treatment finally becomes an option. And recently, the EAU (European Association of Urology) 2018 guidelines recommend ESWT as the first-line therapy of choice for Erectile Dysfunction.

At Dornier MedTech, we've carried on a legacy of change, innovation and evolution since pioneering the use of shockwave therapy to treat kidney stones in 1983.

The Aries 2 is part of our philosophy.

The Aries 2 is Treatment, Evolved.

“Aries treatment produces excellent results for my patients with erectile dysfunction. I strongly recommend it to my patients and colleagues.”

Dr. Rafael Prieto  M.D.
Vice-President 2009-2013, Spanish Association of Andrology
**0 - 100 real quick**

**Start Up Time:**
**Under 60 Seconds**

No De-Gassing or Water Refill Required

Unlike other applicators, the Aries 2 applicator features a fully closed system complete with an automatic, rapid de-gassing system. This means an easy start-up and operation for users, with close to no waiting time beforehand.

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**Cut the unnecessary steps**

Comparison of treatment steps required for a standard ED therapy session, between the Aries 2 and other ESWT device:

<table>
<thead>
<tr>
<th>Dornier Aries 2</th>
<th>VS Other Applicators</th>
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<tr>
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</table>

**7 steps VS 11 steps**

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**Efficient workflow**

The Aries 2 applicator’s SmartFocus™ technology stands out from other applicators, allowing you to simply adjust shockwave penetration depth and energy levels at the touch of a button – without needing to add or change gel pads.

This provides you with a smooth workflow and flexibility to quickly switch between different energy and depth requirements (eg. moving from penile shaft to crura, or in the trigger point treatment of CPPS).
When you buy an Aries 2, you’re getting our commitment to providing quality and shockwave engineering—at its finest. On top of device maintenance; our service plans include a testing and measurement of shockwave output for your device each time.

When you use an Aries 2, you do so with confidence that every shockwave delivered is at its full intended strength. Contact your regional sales representative or distributor for more information on our service plans.

### Every shot
A perfect shot

When we developed the Aries 2, we created a patented testing device that could reliably measure and indicate our applicator’s current shockwave output—something no other device or applicator offers.

The Aries 2 applicator features Dornier EMSE technology which delivers a consistent output of shockwaves throughout its lifespan, without degradation or fluctuations experienced with Piezoelectric or Electrode based systems.

In shockwave therapy, treatment outcomes can be highly dependent on shockwave dosage.

The Aries 2 provides both doctors and patients assurance that the therapy being performed is exactly as is intended to bring about the desired treatment effects.

### Lasts 4x longer than the average applicator

Conventional Li-ESWT applicators tend to deliver an average lifespan of between 100,000 to 500,000 shocks.

Aries 2 applicators are assembled from specific parts & materials, specially chosen via a stringent selection process for their ability to last under continued use.

True to our German design and engineering philosophy for durability— we’ve produced an applicator which delivers an average lifespan of 2,000,000 shocks.

### Add more life to your Aries 2

When you buy an Aries 2, you’re getting our commitment to providing quality and shockwave engineering—at its finest.

On top of device maintenance; our service plans include a testing and measurement of shockwave output for your device each time.

When you use an Aries 2, you do so with confidence that every shockwave delivered is at its full intended strength.

Contact your regional sales representative or distributor for more information on our service plans.
Angiogenesis

Shockwave technology has had a storied history of efficacy and safety in various aspects of patient treatment, including Orthopaedics, Rehabilitation and Sports Medicine since the early 1990s.

Inspired by the same technology, the Aries 2 utilizes low-intensity extracorporeal shockwave therapy (Li-ESWT) to induce micro-trauma in cells and tissues in the target area, triggering a healing response and angiogenesis.

Clinical studies with the Aries 2 produced successful outcomes in a majority of patients, showing significant increases in erectile function, as measured by the IIEF-ED score.

Li-ESWT treatment for Vasculogenic Erectile Dysfunction has proven High clinical success rates (up to 70%), depending on treatment protocol and baseline ED severity.

The treatment’s success and Vasculogenic Mode of Action point to high potential for Li-ESWT to help patients who are responsive to PDE5i, or be used as a complementary therapy with PDE5i.

First human study to investigate different Li-ESWT protocols, identifying a dose-dependent effect of Li-ESWT

Successful sham-controlled study on Li-ESWT for ED, showing improvements in penile blood flow after treatment

Meta-analysis of 7 sham-controlled studies, showing that Li-ESWT is more effective than placebo for ED

Successful sham-controlled study on Li-ESWT for severe Vasculogenic ED

First human sham-controlled study on Li-ESWT for ED

Successful pilot study on Li-ESWT for severe Vasculogenic ED

First human pilot study on low-intensity extracorporeal shockwave therapy (Li-ESWT) for vasculogenic ED
Clinically Proven treatment protocol

How it works:

• While the patient is lying down, ultrasound gel is applied to the applicator head and/or the treatment area.

• The applicator head is applied to areas of the penile shaft and crus.

• The Smart Focus technology skilfully creates waves that treat a broad area from the superficial surface of the penile shaft to the deeper erectile tissues of the crura.

• It is currently recommended that this treatment be conducted once or twice a week, for at least 6 sessions.

• The waves stimulate tissue and do not cause any pain or external scarring. Patients can resume daily regular activity after the procedure. Side effects (if any) are usually mild and temporary.

• Most patients report progress after 3 - 4 sessions.

“\The Dornier Aries 2 is the only machine with a scientifically based treatment protocol. This data gives us confidence that we are offering our patients the best treatment option.\”

Professor Dimitris Hatzichristou MD, PhD, FESC
Head, Dept of Urology, Aristotle University of Thessaloniki
Co-Founder and Past President, European Society for Sexual Medicine

Development of an evidence-based protocol for the application of low intensity shockwave therapy for erectile dysfunction: efficacy and safety of 6 and 12 treatment sessions. 

Key Highlight

Objectives:
• Explore the number of low intensity shockwave treatment sessions needed in patients with Vasculogenic erectile dysfunction; 6 vs 12 sessions in a 6 week period.
• Compare the efficacy and safety of the two treatment protocols.

Method:
• Randomized, 2 parallel arms study.
• Vasculogenic ED patients with IIEF-ED 6-25, and some or good response to PDE5i.
• 42 patients were randomized into 2 groups. Group A received 1 session/week for six weeks and Group B received 2 sessions/week for six weeks.

Results
1. Overall Erectile Function (IIEF-ED)
Outcome:
6 sessions: significant improvement in erectile function
12 sessions: greater increase in erectile function

2. Erections that last long enough for sexual intercourse (SEP-Q3)
Outcome:
Improvement after 6 sessions: more benefit with 12 sessions

Conclusion
All measures of erectile function improved for both groups. Tendency for better erectile function noticed in Group B (12 sessions). 12 is more effective than 6 especially for moderate to severe ED patients.

3. Clinical success rates by ED severity
Outcome:
Over 80% success rates in mild ED patients. Moderate to Severe ED patients benefit from 12 sessions.

<table>
<thead>
<tr>
<th>Sessions</th>
<th>Mild ED</th>
<th>Moderate ED</th>
<th>Severe ED</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>10/12</td>
<td>3/7</td>
<td>0/2</td>
<td>13/21</td>
</tr>
<tr>
<td>12</td>
<td>8/9</td>
<td>6/9</td>
<td>1/3</td>
<td>15/21</td>
</tr>
</tbody>
</table>

Clinical success rate from baseline-1, at 6-month follow up

4. Penile blood flow (Peak Systolic Velocity)
Outcome:
Significant increase in penile arterial velocity

Peak Systolic Velocity* (PSV)

<table>
<thead>
<tr>
<th>Baseline</th>
<th>3m FU</th>
<th>6m FU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grp A: 6 sessions</td>
<td>+4 cm/sec</td>
<td>+5.3 cm/sec</td>
</tr>
<tr>
<td>Grp B: 12 sessions</td>
<td>+5.6 cm/sec</td>
<td>+5.3 cm/sec</td>
</tr>
</tbody>
</table>

*Normal Peak Systolic Velocity (PSV) value >35 cm/sec
**p<0.005
***p<0.001

p-values: Group A versus Group B, obtained by 2-tailed t-test of independent samples

Graphs show Mean + SEM; N = 21/group

SEP-Q3
Evolved
Dornier Aries® 2

Treatment

Clinically Proven Results
Used By International Leading Physicians
Dynamic Depth Control
Measurable Shock Output
Lasts 4x Longer
Quick Start Up

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References:
1. K1043395: TEST-REP Start-up Time Test Aries 2
2. Internal Applicator Lifespan Analysis, Period 2016 to 2017

Disclaimer: Available in EU and selected countries globally

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