

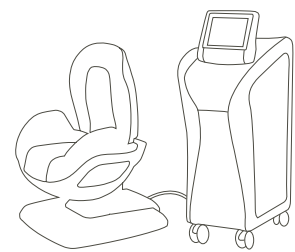


Dr. ARNOLD

Women's Best Ally

Deep Rehabilitation of the Pelvic Floor
against Female Urinary Incontinence
and Chronic Pelvic Pain Syndrome

Dr. ARNOLD stands out for **Gynaecology**



DEKA
Innate Ability

Dr. ARNOLD

EVOLVING EXCELLENCE

PELVIC FLOOR
REHABILITATION

FEMALE URINARY
INCONTINENCE

CHRONIC PELVIC
PAIN SYNDROME





Key Principles

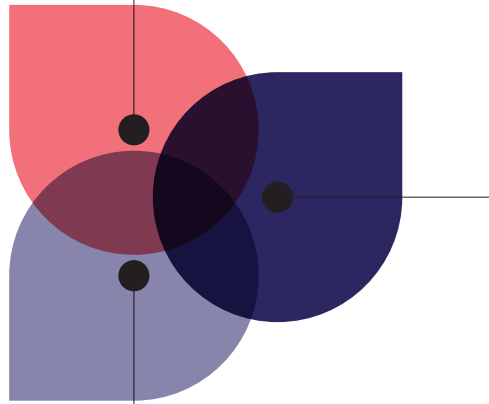
Dr. ARNOLD selectively stimulates the muscles of the female pelvic floor through selective contractions and relaxations to improve and prevent urinary incontinence and chronic pelvic pain syndrome.

The stimulation is generated by electromagnetic fields with a homogenous profile (**TOP FMS - TOP Flat Magnetic Stimulation**) optimised for stimulation of pelvic muscles.

Why Choosing Dr. ARNOLD:

Top Flat Stimulation = Efficacy and Comfort

Thanks to the TOP FMS technology the electromagnetic field is **homogeneously distributed** without peaks of intensity. Even stimulation ensures **greater tolerability and efficacy**.



Ergonomics Before All!

DEKA R&D designed Dr. ARNOLD, a special lounge chair to assure utmost comfort for the patient, in addition to efficacy and safety.

Female Intimate Health is our Core

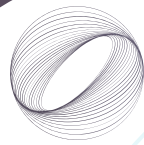
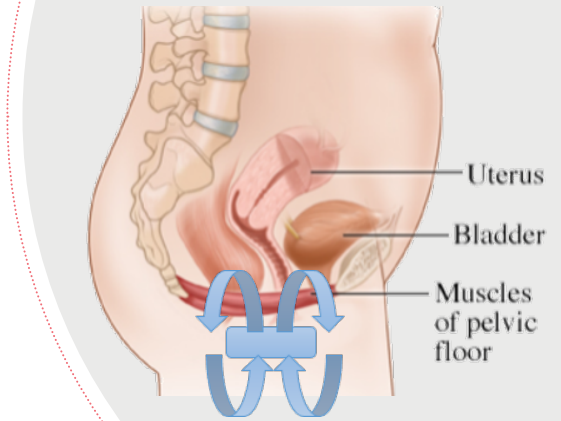
Dr. ARNOLD is the solution within the DEKA therapeutic pathway for female intimate health in the treatment of urinary incontinence and **improvement of patients' quality of life**.

THE SCIENCE BEHIND

“Rehabilitation” Device

Dr. ARNOLD is a non-invasive therapeutic device that, through a specific electromagnetic field (**TOP FMS Technology**), interacts with the neuromuscular tissue through different and personalized protocols, acting both on **hypotonus tissue** (inducing intense contractions-involuntary and otherwise unachievable - that stimulate pelvic floor muscles deep down; and on **hypertonus** (aiming at muscle inhibition and pain reduction).

The clinical outcome of the Dr. ARNOLD device is higher **awareness** of pubococcygeus muscle function and **increased pelvic floor tone** through the **rehabilitation of the perineal muscles**.



TOP FMS

Flat Magnetic Stimulation

TOP FMS: modulated stimulation on muscle tissue

The special and unique **TOP Flat Magnetic Stimulation Technology** modality – designed exclusively by DEKA R&D – ensures **homogeneous** and even intensity distribution without peaks over a sufficiently broad area, thus **preventing pain** sensations and discomfort in the patient.

Dr. ARNOLD Women's Best Ally

According to scientific literature, this technology can safely and effectively **treat stress, urge and mixed urinary incontinence** by pelvic floor muscle strengthening in a wide demographic of patients.

Patients have benefited from a decreased severity of UI symptoms and reduced pelvic pain diseases which positively influenced their quality of life. On the basis of subjective evaluation, patients also reported additional effects of the therapy such as a an **increased sexual satisfaction.**

Dr. ARNOLD is also indicated for **muscle hypertonicity** and patients with Chronic Pelvic Pain Syndrome (CPPS). Thanks to TOP FMS and its **homogeneous distribution, electromagnetic** stimouluous acts to **relax pelvic floor muscles** thanks to specific protocols.



SCIENTIFIC BACKGROUND

Ergonomics First!

The patient's position is key for the effectiveness of the treatment. This is why DEKA designed a **lounge-chair** whose backrest and height are adjustable to assure that the patient could achieve the **optimal position** to benefit from the treatment, whilst in full comfort and relaxation.



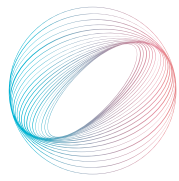
Women's Intimate Health and Quality of Life are our Goals

The action of Dr. ARNOLD expands considering its preventive action in many spheres of women's intimate health:

- **Gynaecological:** prevention-therapy of genital prolapse
- **Urological:** prevention-therapy of urinary incontinence, by improving the urethral support and the closing mechanism, especially when straining
- **Colorectal:** prevention-recovery of anorectal function
- **Sexual:** positive impact on sex life, by bolstering perineal muscles.

Dr. ARNOLD completes the DEKA line and **focus on women's intimate health**. This pathway starts with the consolidated technology **MonaLisa Touch®** for treatment of vaginal atrophy, through the Dr. ARNOLD technology for urinary incontinence.

Dr. ARNOLD technology is easy to use and especially appreciated by **gynaecologists, urogynaecologists, physical therapists and proctologists**, but also by patients, because, beyond the tangible benefits in the decreased symptoms connected with urinary incontinence, it is a painless treatment done clothed. To maintain the results achieved, maintenance sessions are recommended.



Dr. ARNOLD

Female Urinary Incontinence and CPPS (Chronic Pelvic Pain Syndrome) are a Global Disorder

The pelvic floor system is affected by a complex range of changes during the **postpartum period** and with **aging. Pelvic Floor Muscles (PFM)** do not provide enough support for pelvic organs and continence control. This leads to **PFM dysfunction** directly resulting in **Urinary Incontinence**.

12.4%

of female population is affected by incontinence worldwide (about 303 million)*

~ 54.3%

of affected women suffer detrimental effects on their quality of life*

*Source: I. Milsom "How big is the problem? Incontinence in numbers". 7th Global Forum on Incontinence 2018

12-15%

of women in global population os affected by Chronic Pelvic Pain Syndrome*

*Bergeron S, Reed BD, Wesselmann U, Bohm-Starke N. Vulvodynia. Review Nat Rev Dis Primers 6(2020):36.

The Floor to Practitioners

“ We are treating patients with incontinence problems and the results are certainly exciting. I am obtaining excellent results also on musculature and pelvic floor hypertone which create chronic pelvic discomfort.

Patients are satisfied and happy; in a short time they achieve a satisfactory intimate life. This is what we necessitate and what we are interested in: To contract muscles which initially the patient does not know, perpetuating deep reeducation of the pelvic pavement.

Finally, this technology also prevents genital and anorectal prolapse, improving the patient's sexual life.”

Dr. Andrea Biondo, MD- Gynaecologist
Palermo (Italy)

“ Dr. ARNOLD has proven to be an effective and safe way to recover the conditions of the pelvic floor. Its unique technology based on top flat magnetic stimulation inside favours precise strengthening and reconditioning of the consequences of aging and other injuries on this important structures that are closely related to sexuality and quality of life. This is one of the most important tools at my practice.”

Dr. Pablo Gonzales, MD- Gynaecologist
Pereira (Colombia)

“ Dr. ARNOLD electromagnetic chair for the rehabilitation of pelvic floor has been an excellent tool in our clinic, either we use it alone to treat SUI or in combination with Monalisa Touch CO₂ fractional laser, it has become the standard of care in our clinic, patients are very happy with their results.”

Dr. Antonio Posada, MD- Gynaecologist
Saltillo, Coahuila (Mexico)



Latest Scientific Publications about Dr. ARNOLD

Treatment of Pelvic Floor Hypertonic Disorders with top Flat Magnetic Stimulation in Women with Vestibulodynia: A Pilot Study.

J Women's Health Dev. A. Biondo M.D. et al.

A Case of Stress Urinary Incontinence After Radical Prostatectomy Successfully Treated with an Innovative Device Based on Top Flat Magnetic Stimulation.

World Journal of Urology. P. González M.D. et al.

Is It Possible to Improve Urinary Incontinence and Quality of Life in Female Patients? A Clinical Evaluation of the Efficacy of Top Flat Magnetic Stimulation Technology. Bioengineering.

Bioengineering. G. Lopopolo M.D. et al.

Efficacy of Top Flat Magnetic Stimulation Technology for Female Stress and Urge Urinary Incontinence: A Clinical Evaluation.

World Journal of Nephrology and Urology. A. Biondo M.D. et al.

A Qualitative and Quantitative Study to Evaluate the Effectiveness and Safety of Magnetic Stimulation in Women with Urinary Incontinence Symptoms and Pelvic Floor Disorders.

Medicina 2023. M. Filippini M.D. et al.

Dr. ARNOLD's Strengths

- **Maximum comfort**, completely painless
- **Free of the discomfort typical of common therapies** for pelvic-rehabilitation (Kegel exercises, biofeedback, kinesitherapy, functional electrical stimulation)
- **Easy to use**, unmanned technology
- **Improved quality of life**
- **Improves awareness** of pelvic floor through rehabilitation
- **Tailored protocols** - specific for patients' needs
- **Preventive** action on whole spheres of **female intimate health**

 **Only for DEKA Users:**
a great support in medical practice
DEKA *Club*





Scan and see
Dr. ARNOLD in action

Technical Specifications

Dr. ARNOLD	
Type of Energy	Electromagnetic Field
Intensity	Up to 2.5 T
Pulse Duration	250 μ s \pm 20%
Repetition Rate	Up to 150 Hz
Absorbed Electric Power	System Specifications 100-240 V 1500VA Chair unit specification 100-240 V 380 VA
Dimensions and Weight	System Specifications 40cm x 110cm x 70 cm (WxHxD) Chair 77 cm x 124 cm x 77 cm (WXHXD)

This brochure is not intended for the US market.

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Dr. ARNOLD

DEKA
Innate Ability

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Dealer stamp



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DEKA Innate Ability

A spin-off of the El.En. Group, DEKA is a world-class leader in the design and manufacture of lasers and light sources for applications in the medical field. DEKA markets its devices in more than 80 countries throughout an extensive network of international distributors as well as direct offices in Italy, France, Japan and the USA. Excellence is the hallmark of DEKA's experience and recognition garnered in the sphere of R&D in over thirty years of activity. Quality, innovation and technological excellence place DEKA and its products in a unique and distinguished position in the global arena. DEKA manufactures laser devices in compliance with the specifications of Directive 93/42/EEC and its quality assurance system is in accordance with the ISO 9001 and ISO 13485 standards.