

Red M. Alinsod, M.D., FACOG, FACS, ACGE

Dr. Red Alinsod completed medical training at Loma Linda University Medical Center in 1990. He served a 12-year Air Force career with 4 active duty years at George and Nellis Air Force Bases. He has practiced in Southern California.

Red has built a thriving urogynecology and aesthetic vulvovaginal surgery following. He is the Director and founder of South Coast Urogynecology and The Alinsod Institute for Aesthetic Vulvovaginal Surgery, an educational institute.

His International teaching program is the first of its kind to combine both pelvic reconstructive and aesthetic principles together. He has trained many of the world's leading doctors and instructors in cosmetic gynecology and has presented his techniques worldwide for over 20 years.

He is co-editor of *Female Cosmetic Genital Surgery, Concepts, Classification and Technique*, the seminal textbook for plastic surgeons and gynecologists in this rapidly growing field. He is the Founder and Chairman of CAVS (Congress on Aesthetic Vulvovaginal Surgery), the oldest and longest running Congress dedicated to Female Cosmetic Genital Surgery. It is now incorporated into The International Society for Cosmetogynecology, the Grand Daddy of the field.

He is the inventor of the "Barbie Look" and "Hybrid Look" Labiaplasty, Medial Curvilinear Labia Majoraplasty, Central and Lateral Clitoral Hood Reduction, Inoffice No-IV Labiaplasty, Perineoplasty, Vaginoplasty, Pudendo-Levator Block. He is the inventor and patent owner of the Lone Star APS Vaginal Retractor, APS Surgical Table, Alinsod Scissors, and various pelvic reconstructive devices and techniques such as *Sling with Bladder Support* and *Implants and Procedures for Treatment of Pelvic Floor Disorders*.

Dr. Alinsod is the inventor and patent owner of ThermiVa. He is the inventor of amniotic fluid use for overactive bladder with AmDrop and co-developer of O2Vasc for improvement in genital bloodflow.

Dr. Alinsod specializes in non-surgical labial and vaginal tightening, treatment of stress incontinence, non-drug treatment of overactive bladder, atrophic vulvovaginitis, orgasmic dysfunction, vulvar dystrophy, and modern management of menopausal symptoms. These disruptive and safer methodologies of treatments, developed by Dr. Alinsod, are changing the face of gynecology for the benefit of women worldwide. Dr. Alinsod welcomes your calls, emails, and inquiries.

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PRESENT POSITION	1/05 – Present	South Coast Urogynecology, Inc. President, Director, Owner
		The Alinsod Institute for AVS Training Institute for GYN Aesthetics ThermiVa Center for Physician Edu. Director, Owner
		The Laguna Laser Center Director, Owner
		Congress on Aesthetic Vaginal Surgery Founder, Director, Program Chairman ISCG Honorary Fellow
PREVIOUS POSITIONS	9/94 – 12/04	Facey Medical Group, Partner Department of OB/GYN Risk Management Chairman Litigation Committee, Pension Trustee Board Member 1999 – 2000, 2002 Clinical Instructor: NH FP Residency Clinical Instructor: UCLA Urogynecology
	9/91 – 8/94	Chief of Gynecologic Services 554 Med Group, Nellis AFB Las Vegas, NV
	7/90 – 8/91	Chief of Gynecologic Services 35 th Medical Group, George AFB Victorville, CA
EDUCATION	7/86 – 6/90	Internship and Residency, OB/GYN Loma Linda University Med. Center Loma Linda, CA Fellowship: Gynecologic Oncology Yale University SM USAF Active Duty
	7/82 – 6/86	Loma Linda University Medical School Loma Linda, CA MD, BS Human Biology Scholarship: USAF Health Professions Activities: Chief Photographer
	09/78 – 6/82	Pacific Union College, Angwin, CA BS, Biochemistry

CERTIFICATION STATUS

PROFESSIONAL SOCIETIES

PERSONAL

SPECIALIZED SURGICAL SKILLS

CLINICAL & INDUSTRY

PATENTS & INVENTIONS

Board Certified, ABOG & ACGE #20 California Medical License DEA License Fellow of ACOG, ACS, ASLMS Associate Fellow AACS

ACOG, ACS, AUGS, IUGS, ICS, ISPP AAGL, AAOCG, AACS Felix Rutledge Fellow

Married, 3 children Skiing, Dobermans, Golden Retrievers Photography

Aesthetic Vaginal Surgery (AVS)

Labia Minora and Majora Plasty Clitoral Hood Reduction Vaginoplasty/Perineoplasty Hymenoplasty Non-Invasive Labial tightening ThermiVa Feminine Restoration Pelvic Floor Reconstruction Single Incision Slings Advanced Laparoscopy/Hysteroscopy Aesthetic Lasers, Fillers, Botox O-Shot, Vampire Lift Awake/In-Office Aesthetic Gyn Surgery

ARMS Medical, Consultant Thermi: ThermiVa Inventor Cooper Surgical: LoneStar Inventor Monarch Medical: Alinsod Scissors/Table Haupt Lab/D-Moore Consultant Amnion LLC/Tula Medical Consultant Intigen, Lumisque, and Joylux Consultant Caldera Medical Consultant

ThermiVa RF for Non-Surgical Labial and Full Depth Vaginal Therapy

Lone Star APS Vaginal Retractor

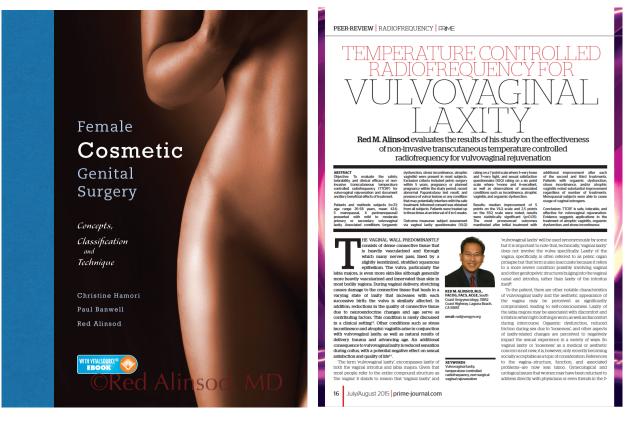
Sling with Bladder Support Implants and Procedures for the Treatment of Pelvic Floor Diorders

Alinsod Surgical Table and Stand Alinsod Scissors, Pickups, and Clamp

Surgical Techniques for Labial and Vaginal Surgery (RF Barbie Look Labiaplasty, Curved Medial Labia Majoraplasty, Vertical Clitoral Hood Reduction, Lateral Hood Reduction, RF Hermorrhoidectomy Pudendo-Levator Block, Clitoral Block Predictive Permeation for Gynecology O2Vasc for genital bloodflow

LECTURES, PRESENTATIONS, PUBLICATIONS

Upon Requests



Lasers in Surgery and Medicine 48:641-645 (2016

Transcutaneous Temperature Controlled Radiofrequency for Orgasmic Dysfunction

Red M. Alinsod, MD, PACOG, PACS, ACGE^{*} South Coast Urogynecology, 31852 Coast Highway, Laguna Beach, California 92651

Key words: temperature-controlled radiofrequency; vul-wovaginal rejuvenation; orgasmic dysfunction; vaginal rejuvenation; vaginal laxity

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South Coast Urageneeology, 31852 Coast Highway, Laguna Beach, California 92851 Background and Objective: To valuate the adapt perturbed to finded diffession of terminetations of the adapt perturbed to finded diffession of the adapt of the adapt and issue for organnic dynamics. The adapt of the adapt of the adapt perturbed diffession of the adapt of the adapt of the adapt of the adapt adapt adapt and the adapt of the adapt of the adapt of the adapt to the adapt of the perturbed diffession of the adapt of the adapt of the adapt of the adapt of the perturbed diffession one surface of the adapt of the adapt of the adapt of the perturbed diffession one surface of the adapt of the adapt of the adapt of the perturbed by extended to and maintained between 40°C and 45°C was performed using a alim Schaped probe with a stamp perimet lody, clitoral hood, and ditoris. Full length reast of the adapt the adapt of the adapt overed the label adapt of the adapt of the adapt of the adapt of the adapt the adapt of the

Key words temperature-ontrolled radiofrequency; vul-voyaginal equivenation; organical laxity rejuvenation; vaginal laxity TRRODUCTION The use energy-based therapies for rejuvenation of the in an expension of the second second

Gynewlogy SURGICAL TECHNOLOGY INTERNATIONAL XXIX **Transcutaneous Temperature Controlled Radiofrequency (TTCRF)** for the Treatment of Menopausal Vaginal/Genitourinary Symptoms

GUSTAVO LEIBASCHOFF, MD

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PABLO GONZALEZ IZASA, MD PABLO GONZALEZ IZASA, MD Specialist Gynecology and Obstetrics Department Military University of Colombia

HEAD CHIEF UROGYNECOLOGY DEPARTMENT HOSPITAL UNIVERSITARIO SAN JORGE PEREIRA, COLOMBIA

> JOSE LUIS CARDONA, MD Specialist Pathology Department Universidad Tecnologica Pereira, Colombia

ABSTRACT

pjective: The aim of this study was to evaluate the effects of non-ablative, monopolar transcutaneo emperature controlled radiofrequency (TTCRF) technology in the treatment of postmenopausal men suffering from genuine stress urinary incontinence (SUI) related to menopause and to evaluate histological changes vaginally associated with the treatment.

Materials and Methods: Subjective and objective symptoms of SUI were assessed in study subjects before and after TTCRE, (1 treatment every 30 days, for 3 months; n=10) and compared with the effects of a placebo treatment on a control group of demographically similar women (n =10). SUI was subjectively evaluated with subjective Urogenital Distress Inventory (UDI-6) and with the International Consultation on Incontinence

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JOHN R. MIKLOS, MD

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Histologic and Clinical Changes in Vulvovaginal Tissue After Treatment With a Transcutaneous Temperature-**Controlled Radiofrequency Device**

Monique J. Vanaman Wilson, MD,* Joanna Bolton, MD,† Isabela T. Jones, MD,† Douglas C. Wu, MD, PhD,† Antoanella Calame, MD,† and Mitchel P. Goldman, MD!†

BACKGROUND Although transcutaneous temperature-controlled radiofrequency (TTCRF) may effectively treat vulvovaginal laxity (VVL), atrophic vaginitis (AVL), orgasmic dysfunction (OD), and stress urinary incon-tinence (SUL), there is a lack of histopathologic evidence to validate its use.

OBJECTIVE Evaluate clinical and histological changes induced by vulvoyaginal TTCRF.

MATERIALS AND METHODS This was a prospective, nonrandomized trial. Ten female subjects with mild-to-moderate VVL, with or without AV, OD, andor's SUI underwent 73 TTCRFs at 4-week intervals. Five subjects underwent pre-and post-treatment bicposes of the bials majora and vaginal canal for histology. Assessments were performed at baseline and Days 10, 30, 60, and 120.

RESULTS Investigatorrated WL improved significantly from baseline to Day 10, with improvement main-tained through Day 120 (p = .001 and .001; respectively). Sexual satisfaction improved significantly by Day 60 (p = .001). Improvement in AV resched significance at Day 120 (p = .048). Although OD and SUI improve steadily, the difference in improvement did not reach statisfical significance. Histology revealed that post treatment increases in collagen, elastiv, vascularity, and small energy fibers.

CONCUSION Transatureous temperature-controlled RF resulted in significant improvements in AV VVL and sexual satisfaction with milder improvements in OD and SUI. Post-treatment histology demonstrated necoslagenesis, necolastogenesis, necosagiogenesis, and the first reported finding of TCRF-related neuro-genesis.

Supported by ThermiGen LLC.

Vulvovaginal rejuvenation is an increasingly popular procedure. Aging, menopause, weight flactuations, and childhirth creater mechanical forces on the vulva and vagina, and reduce the quality of connective tissue in the area, leading to symptoms of vulvovaginal laxity (VVL), atrophic vaginitis (AV), stress urinary incontinence (SUI), and orgasmic dyfunction (OD). Although women rarely discuss these issues, they can significantly detract from quality of life. In the pars, options for addressing these concerns were limited to hormonal therapies,

lubricants, Kegel exercises, and traditional surgical intervention. Now, there are several laser and energy devices that can provide minimally and noninvasive vulvovaginal rejuvenation.¹

Monopolar radiofrequency (RF) is an established modality for tissue tightening both on and off the face.² Radiofrequency induces collagen denaturation with subsequent contraction of fibria, neccollagenesis, and activation of the healing cascade.³⁴ In 2010₄ Millheiser and colleagues5 demonstrated the efficacy of monopolar

*California Skin Institute, Sumyyale, California: 'Alliant Dermatology, The Villages, Horida; 'McLean Dermatology and Séncare Center, McLean, Vergina; 'Goldman, Buttensich, Groß, Fabi and Wu, Cosmeti C Lase Dermatology, San Diego, California: (Company Dermatophalogy, San Diego, California; 'Department of Dermatology, University of California, San Diego, San Diego, California

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Lasers in Surgery and Medicine 49:137-159 (2017)

Light and Energy Based Therapeutics for Genitourinary Syndrome of Menopause: Consensus and Controversies

Synchrome of Meinopause: Consensus and Controversises

Yona Tadir, m., ¹, Adrian Gaspar, m., ²Apinoam Lev-Sagie, m., ³Marvo Cambaciani, ¹, ¹ Jearg E. Gaviria, m., ¹ Marvo Cambaciani, ¹ Jearg E. Gaviria, ¹ Marvo Cambaciani, ¹ Jearg Jearg C. Baviria, ¹ Marvo Cambaciani, ¹ Jearg Jearg Jearg Cambaciani, ¹ Paodroma O Disterics and Gynecology, ¹ Johan Narou, ¹ Holina, ¹ Jearg Jearg

Gynacologist and plastic surgeons pionesred the applia-tion of Jasers in medicine and surgery almost 5 decade ago, va-nitially used to treat corvical and vaginal patholics. The second secon

Key words: laser; radiofrequency; energy based device; genitourinary syndrome of menopause (GSM); vagina; vulva; rejuvenation; stress urinary incontinence (SUI); lichen sclerosus; vulvoqinia

LASERS IN GYNECOLOGY: HISTORIC OVERVIEW Almost 5 decades ago, gynecologist and plastic surgeons pioneered the integration of lasers for the ablation of

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diseased tissue [1]. Energy of the focused CO₂ laser beam was exploited to create incisions by tissue vaporization, while the defocused beam, featuring a lower energy density, elicited tissue contraction, and was applied to treat various exervical and vaginal pathologies [2]. In the 1970s, various lesions such as genital warfs on the uterine cervix, were treated with the CO₂ laser which has since become a common treatment approach for genital warfs with micromanipulators connected to objoaccepts.

Cardiat of Interest Discharges All antions have completed and submitted the UAME Form for Discharges of Poleration Conflicts of Interest and have disclosed the following (Polera Takir constraints of Interest and have disclosed the following (Polera Takir constraints for Thermi, reserve regulary for Thermity, Copy Poleration, State Betratter, and Cologitat. Consultants, Consultant, Boyalty for Alimoid Surgial Expirated, State Constraints, Boyalty for Alimoid Surgial Regiment, Schir Mattines, K. ya nivrited gaselet by Alana Lazers, Alberter machines, No survival expirate by Alana Lazers, Alberter machines, No survival expirate by Alana Lazers, Alberter machines, No survival survey completed in collaboration and the state of the State State of the State State of the Mathiest of DEKA Lazer, All other s-authors ashing to consultants for DEKA Lazer, All other s-authors ashing to constants for DEKA Lazer, All other s-authors ashing to the state of the state of the schedule of the schedule of the Mathiest of the state of the schedule of the schedule of the Halladian culture were corrected. The state of the schedule of the schedule of the schedule schedule of the schedule of the schedule of the schedule schedule of the schedule of the

Accepted: 13 February 2018 DOI: 10.1111/jocd.12524

ORIGINAL CONTRIBUTION

WILEY CD

Review and clinical experience exploring evidence, clinical efficacy, and safety regarding nonsurgical treatment of feminine rejuvenation

Michael Gold MD^{1,2,3,4} | Anneke Andriessen PhD^{5,6} | Alexandros Bader MD⁷ | Red Alinsod MD⁸ | Elizabeth Shane French⁹ | Nathan Guerette MD¹⁰ | Yegor Kolodchenko $\mathsf{MD}^{11} \hspace{0.1 in}|\hspace{0.1 in} \mathsf{Michael}\hspace{0.1 in} \mathsf{Krychman}\hspace{0.1 in} \mathsf{MD}^{12} \hspace{0.1 in}|\hspace{0.1 in} \mathsf{Susan}\hspace{0.1 in} \mathsf{Murrmann}\hspace{0.1 in} \mathsf{MD}^{13} \hspace{0.1 in}|\hspace{0.1 in} \mathsf{Julene}\hspace{0.1 in} \mathsf{Samuels}^{14}$

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Correspondence Anneke Andriessen, Radboud UMC, Nijmegen, The Netherlands. Email: anneke.a@tiscali.nl Funding information Fotona Dynamis, Syne Luminus, ThermiAesth idela, Sciton, ive Medical, miAesthics, Viveve and BTL Aestheti earch for the man script with

itol 2018:1-9.

Introduction: The use of energy-based devices for the treatment of vaginal laxity, orgasmic dysfunction, and stress incontinence, such as minimally ablative fractional laser and radiofrequency, is gaining momentum. This review aims to answer clinical questions on the application of energy-based devices for feminine genital rejuvena-

Wethods: The target group includes physicians involved in esthetic medicine and feminine genital rejuvenation. A literature review was conducted on technologies in use for feminine rejuvenation to explore their safety, efficacy, tolerability, patient satisfaction, and dinical usability. A panel of physicians with clinical experience con-

satisfaction, and clinical usability. A panel of physicians with clinical experience con-ducting these types of treatment reviewed and discussed the results of the litera-ture search and gave clinical evidence-based recommendations. Results: Energy-based devices may induce wound healing, stimulating new collagen, and elastin fiber formation. Radiofrequency treatment may also increase small nerve fiber density in the papillary demis, improving nerve sensitivity, sexual function, including arousal and orgasmic dysfunction. Both minimally abative fractional laser and indications in the moderate to be different water treatment diff a moderate including arousal and organic dysfunction. Both minimally ablictive fractional laser and radiofequency has been shown to be effective when treating mild to moderate primary or secondary vulvovaginal laxity and associated secondary conditions. These treatments are reported to be safe, effective, and well tolerated with a rapid return to activities of adapt living. Conclusions: As this is an evolving medical field, clinical evidence often lacks

constraints, to use the termination of the second s ered by trained staff as part of the comprehensive care, that is, currently available to we

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KEYWORDS CO2-based lasers, erbiur radiofrequency devices ım:yttrium-aluminum-garnet lasers, feminine rej

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THE JOURNAL OF OBSTETRICS AND Gynecology of India



ThermiVa: The Revolutionary Technology for Vulvovaginal **Rejuvenation and Noninvasive Management of Female SUI**

Navneet Magon¹ · Red Alin

© Federation of Obstetric & Gynecological Societies of India 2016



About the Reviewer Dr Navneet Magon currently works with Indian Amedi Dircrea, and is presently posted to the busiest hospital of Amedi Forces Medica Stevies. Arkently involved with academic, Dr Magon has over 60 peer reviewed publications to Shafe. To Work and the other of the stevent present present present and an adversarial paradiant and to the off of the other of Work and Amedica Stevens and a steven and paradiant present present

Abstract Addressing vaginal laxity, atrophic vaginitis, stress urinary incontinence (SUD), and different manife-tations of sexual dyfunction has always been problematic based with dectors as well as the societal attitude of re-ignation toward these conditions. The recent rise of non-invasive feminine rejuvenation using energy-based

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modalities to vaginal tissue has its origins in aesthetic medicine. Transcutanoous temperature-controlled radiofrequency, therapy at the vulvvaginal region has shown promising results in giving a more youthful appearing vulva, restoration of vaginal clasticity and "tightness", considerable improvement in SUL reduction in overactive blader symptoms, and reduction in sexual dysfunction. It is also emerging as the non-invasive treat-ment modality for mild to moderate SUL It seems that the time has come, when women shall ever be grateful to their gynecologist for management of SUI with ThermiVa without an incision.

Keywords Female sexual dysfunction \cdot Stress urinary incontinence \cdot Vaginal Rejuvenation ThermiVa \cdot Laser

Between childbirth and menopause, vagina and nearby tissues undergo numerous changes leading to a well-

SOUTH COAS LINSOD INSTIT

Transcutaneous Temperature Controlled Radiofrequency for Atrophic Vulvovaginitis and Dyspareuni Red Alinsod, MD., FACOG, FACS South Coast <u>Urogynecology</u>, Laguna Beach, CA



OBJECTIVE To evaluate the safety, tolerability, and clinical efficacy of non-surgical transcutaneous temperature controlled radiofrequency (TTCRF) for atrophic vulvovaginitis and dyspareunia.

BACKGROUND TTCRF brings with it numerous advantages for the treatment of skin disorders.¹ KF is an established modality for tissue tightening via stimulation of neo-collagenesis, tissue contraction, and activation of the healing cascade. This was shown in a histological study of KF in animal studies.² Improvement of blood flow also appears to be a key mechanism of action that results in increased neuropeptide release, vasodilitation of arterioles, and increased transudate into the vaginal canal. The specific temperatures (40-45 C) to achieve these tissue endpoints is modulated by controlling the power, in relation to tissue impedance, which raises tissue temperature in the proximity of the RF electrode.

Thermistors and thermocouples within the treatment probe provide feedback to the device, which controls power to modulate energy deposition and maximize therapeutic relevancy without causing damage and minimizing the potential for patient discomfort. Unlike laser-based treatments, skin type (color of pigmentation) is not an issue with RF energy; and while it is proven effective on surface skin of the face and other body regions, RF is even more effective in tissue that is naturally moist and well hydrated, as in the vaginal and vulvar structures.

- PATIENTS
 25 patients (age range 35-69 years, mean 54) who complained of significant atrophic vaginitis and dyspareunia
 5 Patients had severe introital stenosis allowing only small fingertip entry
 8 patients were being treated with hormone replacement therapy including vaginal estrogens but with unsatisfactory responses
 Exclusions: Pregnancy, chronic steroid and anti-inflammatory medication use, undiagnosed vulvar lesions, prior pelvic mesh surgery
 Methods: 3 Monthly 20 minute sessions using TTCFF handpiece both on vulva (10 min) and vagina (10 min), No anesthesia
 Treatment Endpoints: 40-45 Celcius on tissues lasting 3-5 minutes per site of treatment

- Patient report of symptoms resolution, Evaluation of moisture production, comfort during inte
 Validated questionaires (Vaginal Laxity Questionaire, Sexual Satisfaction Questionarie, FSFI)
 Photographic evaluation Before and After each treatment at each visit
 No serious adverse complications. No blisters or burns.



Figure 1. Before and after pictures of multiparous woman, age 59 years, complaining of severe atrophic vulvovaginitis with poor response to long term vaginal estrogens; outcome after three treatments with TTCRF included visible aesthetic improvement and complete resolution of atrophic vulvovaginitis. Dysparcunia was resolved and the patient felt significant tightening effects and increased sensitivity.

OUTCOME

- OUTCOME

 All 25 patients reported resolution of their symptoms of vulvovaginal dryness and dyspareunia.

 All showed improvement in the Sexual Satisfaction Scale (Average of 2.5 points)

 All reported elimination of lubricant use or only an occasional need for lubricants.

 Effects of treatment are lasting 9-12 months before the need for single touchup treatments.

 Of the 25 patients in the atrophic vaginitis study group, there were 12 with SUI and/or OAB symptoms. Those 12 had resolution of both symptoms without the need for physical therapy or Kegels exercises. Tissue tightening effects were seen externally and internally. Ongoing studies are being performed on this subset of SUI and OAB patients.

 Severe vaginal introital stenosis resolved with TTCRF treatments in 5 patients resulting in improved post treatment pliability, softness, and thickness of vaginal tissues.

Transcutaneous Temperature Controlled Radiofrequency for Overactive Bladder Red Alinsod, M.D.

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Radiofrequency emitting tip

INTRODUCTION

IUGA

41st Annual Meeting

2 - 6 AUGUST, 2016 CAPE TOWN - SOUTH AFRI

Overactive bladder with and without incontinence is rising with the aging population. Most transmost involve lifestyle change, medications, neuromobulations, and more effects. Other transmost have proceeding and any adjust the effects. Other transmost have proceeding and auropical risks. Tomosgonial radio frequency transmost for vapical lightening and atropity have recently been introduced that have shown shrinking of the vagical improve and the research vapical mostour. Radio frequency effects on bladder and urethral tissue at 40-45 Cellus has been shown to be add and well biolarchi.

AIM

To evaluate the safety, tolerability, and clinical efficacy of transcutaneous temperature controlled radiofrequency (TTCRF) on anterior vaginal tissue for overactive bladder.

METHOD

- MEIHOD
 / 75 wome, ages 21-85, with overactive bladder included in the study
 Each patient received 3 sessions at intervals of about 1 month.
 Treatment was performed using all im 5-shape probe with a stamp-sized metal radiorfrequency emitter on one surface of the tip (10 minutes total time on average).
 Full length treatment of the anterior vagina with concentration on the gubcoervical faces was performed.
 Tissue temperature during therapy was elevated to and maintained between 40 dogrees Can 45 dogrees C.
 No anesthesia was required.
 Not an esthesia was required.
 After treatment patients immediately resumed normal routines, including exercise and sexual activities.

RESULTS

- 68/75 (90.6%) patients overactive bladder without . incontinence reported a reduction of OAB symptoms by at least one third. 33%
- 43/75 (57%) patients with overactive bladder without incontinence reported a 50%+ reduction in OAB symptoms.
- Of these patients 24/75 (32%) completely resolved their OAB . symptoms.
- Seven patient with s (9%) had more moderate symptoms . reduction of 25% and less. All seven of these patients had overactive bladder with incontinence.
- All patients noticed some reduction in OAB symptoms over baseline.
- Results for nocturia were similar.

CONCLUSIONS

TTCRF is an effective non-pharmacologic, non-surgical option for women with overactive bladder symptoms. Treatment have a visible tightening effects on vaginal mucosa and also appears to increase local blood flow, resulting in increased vaginal tightness and moisture. Improvement of symptoms in overactive bladder without incontinence is more dramatic than with overactive bladder with incontinence.



A Slim finger sized S-Shaped wand with a stamp sized metal radiorecuency emitter on the back side can be used on the external vilvar structures and deep inside the vagina all the way to the apex. The entire anterior compartment is treated with emphasis on the <u>subscrycical</u> facia to 40.45 degrees. Celsius for approximately ten minutes to shrink tissues. Increase collagen production, and increase local blood flow.

ACKNOWLEDGEMENTS

Thank you to Diane, Maria, Marisol, and Cindy. An incredible staff

REFERENCES	Contact Information:
REFERENCES	
Muthalland HS, Radio frequency energy for non-invasive and minimally invasive skin tightening. Clin Plast Surg 2011;38(3):437-48.	South Coast
Alinsod RM. Temperature controlled radiofrequency for vulnovaginal lasity. PRIME 2015;3(4):16-21.	Urogynecology
	Laguna Beach, CA USA
Milheiser LS, Pauls RN, Herbst SJ, Chen BH. Radiofrequency treatment of vaginal lasity after vaginal delivery: nonsurgical vaginal tightening. J Sex	
Med 2010;7(9):3088-95.	www.urogyn.org
	10
Seliguchi X, Utsugisawa X, Azekosi X, et al. Laxity of the vaginal introitus after childbirth: nonsurgical outpatient procedure for vaginal tissue	red@urogyn.org
restoration and improved sexual satisfaction using low-energy radiofrequency thermal therapy. J Womens Health (Larchmt) 2013;22(9):775-81.	

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Loma Linda University School of Medicine Major, US Air Force

Private Practice 1994 to Present South Coast Urogynecology in Laguna Beach, CA Alinsod Institute for Aesthetic Vulvovaginal Surgery Founder: CAVS (Congress on Aesthetic Vulvovaginal Surgery, founded 2006) Honorary Founder of Aesthetic Gyn Societies in Brazil, Paris, Germany, Poland

Patents/Patent Pending and Equipment Developed

- 1. ThermiVa
- 2. Lone Star APS Retractor
- 3. Implantable Sling with Bladder Support
- 4. Implants and Procedures for Treatment of Pelvic Floor Disorders
- 5. Desara Incontinence Sling System
- 6. Ascend A and Ascend P Pelvic Reconstruction System
- 7. Brought first Ultra Lightweight Mesh to USA in 2005 (POP Mesh/Restorelle)
- 8. Alinsod Urogyn Table
- 9. Alinsod Scissors, Pickups, Clamps
- 10. Predictive Permeation/DEP Vulvovaginal Wand

Procedures Developed

- 1. Radiofrequency Surgical Techniques for Aesthetic Gynecologic Surgery In-Office
 - a. First to treat vulvovaginal tissues with non-surgical RF energy
 - b. Feathering Technique for Resurfacing Revision surgery
 - c. Pudendal-Levator Block
- 2. In-Office RF Labiaplasty
 - a. Barbie Look
 - b. Hybrid Look
 - c. Vertical and Lateral Clitoral Hood Reduction and Hoodoplasty
 - d. Lateral Curvilinear Clitoral Hood Reduction
- 3. In-Office Vaginoplasty and Perineoplasty
- 4. Medial Curvilinear Labia Majoraplasty
- 5. Thermi-O (ThermiVa + O-Shot) and O-Shot with AmDrop Amniotic Fluid
- 6. ThermiVa Research on
 - a. Tightening of vulva and vagina
 - b. GSM
 - c. Urinary and Fecal Incontinence
 - d. OAB
 - e. Orgasmic Dysfunction
 - f. Stack Therapy with Fractional Laser combination
 - g. Vulvar Dystrophy, Vulvar Vestibulitis, Lichen Sclerosis, Pelvic Pain

- 7. Gynecologic Predictive Permeation for local anesthesia, vulvar lightening and plumping, platelet rich plasma and amniotic fluid placement, treatment of vulvar dystrophy/LS/Dermatitis.
- 8. O2Vasc development, research, production: Topical serum to increase genital bloodflow

Recent Awards

1. July 2015: Best Feminine Rejuvenation, The Aesthetic Show, Las Vegas, NV



2. April 2016: Award of Innovations in Cosmetic Gynecology, European Society of Aesthetic Gynecology, Rome, IT



3. Feb 2017: Outstanding Contributions to Cosmetic Surgery 2017, International Society of Cosmetogynecology, San Diego, CA



4. May 2017: Award of Lifetime Contribution in Cosmetic Gynecology, European Society of Aesthetic Gynecology, Madrid, Spain.



5. July 2017: Best Feminine Rejuvenation Enhancement, The Aesthetic Show, Las Vegas, NV



6. April 2018: Outstanding Contribution in Cosmetic Gynecology, European Society of Aesthetic Gynecology, London, UK.



7. June 2019: ESAG Master's Course Faculty, Edinburg, Scotland. With Marco Pelosi II, Alexander Bader, Marco Pelosi III, John Miklos.



8. March 2020: Award for Best Results in Cosmetic Genital Surgery and for Teaching Excellence, The International Society of Cosmetogynecology, Ft. Lauderdale, FL.



9. March 2021: Award for Best Results in Cosmetic Genital Surgery, The International Society of Cosmetogynecology, Ft. Lauderdale, FL

