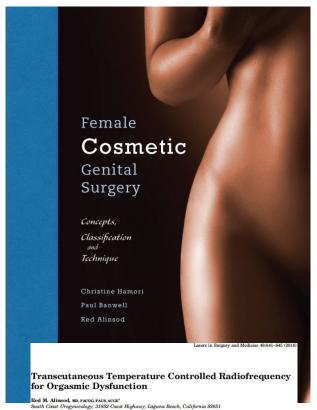


Publications



Background and Objectives: To evaluate the sofety, believability, and clinical effects of transcataneous for transcataneous temperature cancel led radiofrequency (TrCRF) on vulvovaginal tissue for organic dysfunction.

Study DesignMaterials and Methods: Subjects included 25 securally active women, ages 21-65, with control of the contr

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

Key words temperature-controlled radiafrequency; vulwordinal rejuvenation; organic dynfunction; vaginal
nejuvenation; vaginal laxity

INTRODUCTION

The use energy-based therapies for rejuvenation of the
Skin in aesthetic medicine is common, and among them
non-invasive or minimally invasive radiofrequency (RF)
neergy is a well-studied and popular alternative (I). Seath Coast International Company, manufacture of
neergy is a well-studied and popular alternative (I). Seath Coast International Company, manufacture of
neergy is a well-studied and popular alternative (II). Seath Coast International Company, manufacture of
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PEER-REVIEW | RADIOFREQUENCY | PRIME

Red M. Alinsod evaluates the results of his study on the effectiveness of non-invasive transcutaneous temperature controlled radiofrequency for vulvovaginal rejuvenation



Transcutaneous Temperature Controlled Radiofrequency (TTCRF) for the Treatment of Menopausal **Vaginal/Genitourinary Symptoms**

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DUMA, UNITIO AREA ERRIKATIS
DISTRIBUTIONAL ERRIKATIS
OBSTETRICANOLOGY DEPARTMENT
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FEMALE PENIC MEDICIN AND RECONSTRUCTIVE SURGERY INTERNATIONAL UNCONNECULOR ASSOCIATES OF ATLANTA BEYERLY HILLS, CALIFORNIA AND DUBAI, UNITED ARAB EMBATES

ABSTRACT

biective: The aim of this study was to evaluate the effects of non-ablative, monopolar transcutaneous mperature controlled radiofrequency (TTCRF) technology in the treatment of postmenopausal en 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 TTCRF, (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 Incontine

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,† Antonnella Calame, MD,† and Mitchiel P. Goldman, MD^{††}

BACKGROUND Although transcutaneous temperature-controlled radiofrequency (TTCRF) may effectively treat vulvovaginal lasty (VVL), atrophic vaginitis (AV), orgasmic dysfunction (OD), and stross urinary incontinence (SUI), there is a lack of histopathologic evidence to validate its use.

OBJECTIVE Evaluate clinical and histological changes induced by vulvovaginal TTCRF.

MATERIALS AND METHODS This was a prospective, nonrandomized trial. Ten female subjects with mild-to-moderate VVL, with or without AV, OD, and/or SUI underwent 3 TTCRFs at 4-week intervals. Five subjects underwent pre-

RESULTS Investigator-rated WL improved significantly from baseline to Day 10, with improvement maintained through Day 120 (p = 0.01 and .001, respectively). Sexual satisfaction improved significantly by Day 60 (p = 0.011, improvement in AV reached significance to Ed by 120 (p = 0.084). Although 0.01 and SUI improved steadily, the difference in improvement did not reach statistical significance. Histology revealed that post-treatment increases in coaligane, leastin, vascularity, and small nerve Edward.

CONCLUSION Transcutaneous temperature-controlled RF resulted in significant improvements is and sexual satisfaction with milder improvements in OD and SUI. Post-treatment histology den necocollagenesis, necelastogenesis, neoprojecenesis, necolastogenesis, necelastogenesis, necelast

Supported by ThermiGen LLC.

Vulvovaginal rejuvenation is an increasingly popular procedure. Aging, menopause, weight fluctuations, and childbirth create mechanical forces on the vulva and vagina, and reduce the quality of connective tissue in the area, leading to symptoms of vulvovaginal lastity (VVL), atrophic vaginitis (AV), stress urinary incontinence (SUI), and orgasmic dysfunction (OD). Although women rarely discuss these issues, they can significantly detract from quality of life. In the past, 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 Radiofrequency includes collagen denaturation with subsequent contraction of fibrils, neocollagenesis, and activation of the healing cascade. 34 In 2010, Millheiser and colleagues5 demonstrated the efficacy of monopolar

*California Skin Institute, Sumyvale, California; Alliant Dermatology, The Villages, Horida; McLean Dermatology and Shincare Center, McLean, Verpina; Golfman, Butenvich, Groff, Fabi and Wa, Cosmetic Luser Dermatology, San Diego, California; Compass Dermatophology, San Diego, California; Department of Dermatology, University of California; San Diego, California Diego, California; Department of Dermatology, University of California; Dermatology, University of California; Dermatology, University of Californ

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ORIGINAL CONTRIBUTION



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

Michael Gold $\mathrm{MD^{1,2,3,4}}_{\bigcirc}$ | Anneke Andriessen $\mathrm{PhD^{5,6}}_{\bigcirc}$ | Alexandros Bader $\mathrm{MD^{7}}$ | Red Alinsod MD $^8 \,\mid\,\, \text{Elizabeth Shane French}^9 \,\mid\,\, \text{Nathan Guerette MD}^{10} \,\mid\,\, \text{Yegor Kolodchenko}$ MD¹¹ | Michael Krychman MD¹² | Susan Murrmann MD¹³ | Julene Samuels¹⁴

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

Methods: 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-ducting these types of treatment reviewed and discussed the results of the litera-

tours gave discaled where 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 demins, improving nerve sensitivity, sexual function, including arousal and organic dysfunction. Both minimally ablative fractional laser and radiofrequency 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 daily living.

Conclusions: As this is an evolving medical field, clinical evidence often lacks robustness. Studies and clinical experience suggest that feminine genital rejuvena-tion using energy-based devices seems an attractive option for patients with mildto-moderate medical conditions. The treatment can be safely and effectively delivered by trained staff as part of the comprehensive care, that is, currently available

KEYWORDS
CO2-based lasers, erbium: yttrium-aluminum-garnet lasers, feminine rejuvenation,

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

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

Synthtome of Menopaulse: Consensus and Controversies

Yona Tadir, m, 1¹ Adrian Gaspar, m, 2¹ Alpinoan Lev-Sagie, m, 2¹ Macro Gambaciani, m, 1¹ Jorge E. Gavirin, x

Alex Bader, m, 1² Alberto Calligro, m, 1² Jorge A. Elias, m, 1² Marco Gambaciani, m, 1² Jorge E. Gavirin, x

Stefano Salvatore, m, 1² Paolo Scollo, so, 1² Nicola Zerbinati, m, 1² and John Stuart Nelson, m, paol 1²

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Gynecologist and plastic surgeons pioneered the application of lasers in medicine and surgery almost 5 decades ago, initially used to treat cervical and vagrinal pathologies. It is also that the control of trainitions, assessing the efficacy of fracture technological developments triggered an unprecedented wave of publications, assessing the efficacy of fractural aging processes. Studies haveshown that a cervical and vagrinal wall is reversing natural aging processes. Studies haveshown that a cervical and vagrinal wall stimulates proliferation of the giveopen-enriched epithelium, neovascularization, and collagen formation in the limit of the control of trainion. This review sime for review such data and to guide future research. A unique assembly of experts from around the globe, compiled and edited this manuscript based on a thorough literature review and personal experience. Leaser Surg Mod. 49,137-159, 2017.

2017 Wiley Periodicals, Inc.

Key words: laser; radiofrequency; energy based device; gonitourinary syndrome of monopause (GSM); vagina; vulva; rejuvenation; stress urinary incontinence (SUI); lichen sclerosus; vulvodynia

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

Conflict of Interest Disclosures: All authors have completed and submitted the ICAMF Form for Disclosure of Potential Conflicts of Interest and have disclose the following Newa Testir consultant, for Thermi, receive royally for Thermi'va Congress of State Retractor, and Colephate Consultant, for Thermi, receive royally for Thermi'va Consultant, for Thermi, receive royally for Thermi'va Consultant, Boyalty for Allmod Surgical Equipment, Schilder, and the Consultant, Boyalty for Allmod Surgical Equipment, Schilderfiner, K. is an invivid speace by Alma Lasers, Alberto consultant, Boyalty for Allmod Surgical Supplement Schilderfiner, and the Consultant, Boyalty for Allmod Surgical Supplement, Schilderfiner, and Consultant, Boyalty for Allmod Surgical Su

THE JOURNAL OF OBSTETRICS AND GYNECOLOGY OF INDIA

The Journal of Obstetrics and Gyr DOI 10.1007/s13224-016-0868-0

INSTRUMENT REVIEW





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

© Federation of Obstetric & Gynecological Societies of India 2016



Dr Navnert Magno currently works with Indian Armed Fixees, and is presently posted to the busiest hospital of Armed Fixees Medical Services. Artherily involved with academics, Dr Magno has overfol per reviewed publications to his credit, which includes publications in Sud's C POCs, and has contributed chapters to various postgraduate books. Dr Magno is a poer-reviewer for many antional and memorical jurnation and in one find of hose of the World Association of Medical Editors (WAME). He is the Nutsonal Corresponding Editor for the Journal of POSICS Many and Services and Control (Services) and Openios (Services) and Services and Control (Services) and Openios (Services) and Services and

Abstract Addressing vaginal laxity, atrophic vaginitis, stress urinary incontinence (SUI), and different manifes-tations of sexual dyfantion has always been problematic due to women's traditional difficulty discussing these issues with doctors as well as the societal attitude of re-justation toward these conditions. The recent rise of non-invasive feminine rejuvenation using energy-based

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♠ Springer

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modalities to vaginal tissue has its origins in aesthetic medicine. Transcutaneous temperature-controlled andiofrequency herapy at the vulevoaginal region has shown promising results in giving a more youthful appearing vulva, restoration of vaginal elasticity and 'lightness', considerable improvement in SUI, reduction in overactive bladed symptoms, and reduction in sexual dysfunction. It is also emerging as the non-invasive treatment modality for mild to moderate SUI. It seems that the time has come, when women shall ever be grateful to their graceologist for management of SUI with ThermiVa without an incision.

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

2



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 RF 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 RF 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

 2 Spatients (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 TTCRF 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





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. Dyspareunia was resolved and the patient felt significant tightening effects and increased sensitivity.

- OUTCOME

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

 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 vaignitis study group, there were 12 with SUI and/or OAB symptoms. Those 12 had resolution of both symptoms without the need for pelvic floor physical therapy or Kegels exercises. Tissue tightening effects were seen externally and internally. Ongoing studies are being performed on this subsect of SUI and OAB patients as well as laxity 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.

1 South Coast Urogyne cology, Laguna Beach, CA, USA



INTRODUCTION

Overactive bladder with and without incontinence is rising with the aging population. Most treatments involve lifestyle change, medications, neuromodulations, and more effects. Other treatments have precedural and surgiar lifes. Transvegalar radio frequency treatments for viginal sightening and stroply have recently been introduced that here beyond without precedural productions of the signal moustain. Radio frequency feets on bladder and urethral tissue at 40-45 Celsius has been shown to be state and well tolerated.

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

METHOD

- WETHOD

 7 Suomen, ages 21-85, with overactive bladder included in the study.
 6 ach patient received 3 sessions at intervals of about 1 month.
 7 Treatment was performed using a slim 6-shaped probe with a stamp-steed metal radiofrequency emitter on one surface of the tip (10 minutes total time on average).
 7 Full length treatment of the anterior vagina with concentration on the pubocervical fascia was performed.
 7 Tissue temperature during therapy was elevated to and maintained between 40 degrees C and 45 degrees C.
 8 No anesthesia was required.
 8 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
- 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
- Results for nocturia were similar.

A Slim finger steed 5-Shaped wand with a stamp steed metal radioresquency emitter on the back side can be used on the external values structures and deep inside the vagina all the way to the apper. The entire naterior compartment is treated with emphasis on the gubbocevical flowth on 40% of the deep steed with emphasis or the gubbocevical flowth on 40% of the final structures of the first production, and increase local board production, and increase local board flows.



Radiofrequency emitting tip.

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

ACKNOWLEDGEMENTS

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

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Curvilinear Labiaplasty and Clitoral Hood Reduction Surgery



David Ghozland, MDa, Red Alinsod, MDb,*

KEYWORDS

Labiaplasty • Clitoral hood reduction • Radiofrequency • Barbie look • Hybrid look
 Curvilinear labiaplasty • Linear excision labiaplasty

- Curvilinear labiaplasty is an effective surgical technique with the fewest risks. It can achieve the appearance the patient desires in almost all cases.
 Labiaplasty is best done in an office setting. Local anesthesia in an awake setting without an intravenous line is exceptionally safe.
 The same basic surgical technique is performed to achieve the degree of labial reduction the patient wants.

- Clitoral hood reduction surgery is often recommended to achieve a balanced and symmetric
- Radiosurgical tools and techniques are exceptionally precise with minimal lateral heat spread.

time.

A labajasty minora surgery and clitoral hood reduction is an outpatient procedure either performed under local or general anesthesia that serves to improve the aesthetic and functional quality of the vulva. ¹⁻³ The procedure not only restores confidence and self-esteem but improves discomfort and irritation for many women. Presently, labajasty minora procedures are one of the most frequently performed aesthetic vaginal

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Radiofrequency resurfacing and revision of deepithelialized

labia minora labiaplasty: review of literature and case study

INTRODUCTION

Aesthetic gynecologic surgery



REVIEW ARTICLE

Female genital cosmetic surgery: a review of techniques and outcomes

Cheryl B. Iglesia · Ladin Yurteri-Kaplan · Red Alinsod

Received: 15 April 2013 / Accepted: 18 April 2013 © The International Urogynecological Association 2013

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Abstract The aesthetic and functional procedures that comprise formale genital cosmics surgery (PGCS) she hade inadiations of the control of the procedure. The line between consustic and today many operations are performed for both purposes. The contributions of generologists and reconstructive period today many operations are performed for both purposes. The contributions of generologists and reconstructive period genes may unintenticablly blur legitizate fermale period genes and period of the period of the period generologists and period period period period period period period generologists and period gen

C. B. Iglesia Section of Female Pelvic Medicine and Reconstructive Surgery, ModStar Washington Hospital Center, Washington, DC, USA

Published online: 22 May 2013

Female genital perceptions Women seds FOCS for both audited and functional reasons including pain with intercourse or sports, whose irritation, challenge and the property of the property of

Review / Derleme



A mini-review of aesthetic gynecology and leading gynecology associations' approaches to this issue

Estetik jinekoloji ve önde gelen jinekoloji derneklerinin konuya yaklaşımı hakkında mini derleme

Pent Yugul University Faculty of Medicine, Department of Obstetrics and Gynecology, Banhul, Turkey

2South Cost Urogynecology, Clinic of Urogynecology and Pelvic Reconstructive Surgery, California, United States of America

Introduction

Developments in both technology and fashon induce seasonal changes in the notion of beauty. The social and cultural differences among countries along by a logibly aguidance of the part and interpolage variations. We note of the classification enterprises the part of the countries along by a logibly aguidance of the part of the countries along by a logibly aguidance of the part of the countries along the same of the countries along the same of the countries along the part of the countries along the countries and the part of the countries are formed upon the patients' request the ideal assistance part of the countries of the countries are formed upon the patients' request the ideal assistance part of the countries are formed upon the patients' request the ideal assistance patients are formed upon the patients' request as desire to improve sexual function, disconfier when warning which the labias minner are small and not larger than the labia majora. The Motaled classification is based on the protrusion

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You Tigg! University Faculty of Medicine, Department of Obsteries and Cynecology Seather. Turkey
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CASE REPORT

Dyspareunia and chronic pelvic pain after polypropylene mesh augmentation for transvaginal repair of anterior vaginal wall prolapse

Lawrence L. Lin • Alexandra L. Haessler • Matt H. Ho • Lance H. Betson • Red M. Alinsod • Narender N. Bhatia

Received: 2 March 2006/Accepted: 30 June 2006/Published online: 20 September 2006 © International Urogynecology Journal 2006

Abstract Synthetic mesh augmentations for pelvic floor reconstructive superies are increasing in usage and popularity. Many studies are focusing on the anatomical success rates of transregial anterior compartment repairs with synthetic mesh, with minimal attention on its postoperarive complications. We present a case report on a 59-year-old postmenopusual woman who underwest an anterior repair with 6-4-m polypropleme mesh. Postop-caraively, she developed severe dysparennia and debilitating chomic pelvic just. The patient false conservative medical thrapy and now requests complete removal of the synthetic mesh.

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For the management of mild complications (e.g., small mesh ensists through the vaginal epithelium), conservative treatment with vaginal estrogen thenry alone or in combination with autibiotics may be sufficient. In the cases of larger areas of vaginal ension of synthetic mesh, the exposed mesh can be trimmed in the office setting or, occasionally, a repart intraopensive procedure may be necessary to undermine the vaginal ensistent and cover the exposed mesh with vaginal tissues [2]. However, for the management of more severe complications such as dysparcium and chronic pelvic pain, the treatment options are more duanting. How do you manage a patient that presents

Int Urogynecol J (2007) 18:675-678 DOI 10.1007/s00192-006-0187-6

CASE REPORT

Dyspareunia and chronic pelvic pain after polypropylene mesh augmentation for transvaginal repair of anterior vaginal wall prolapse

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Abstract Synthetic mesh augmentations for pelvic floor reconstructive surgeries are increasing in usage and populanty. Many studies are focusing on the anatomical success rates of transvaginal anterior computation repairs with synthetic mesh, with minimal attention on its postoperative complications. We present a case report on a martier requir with 64-5cm polypropyleme mesh. Postoperatively, she developed severe dysparcunia and debilitating chonic pelvic pairs. The patient failed conservative medical therapy and now requests complete removal of the synthetic mesh.

R. M. Alinsod South Coast Urogynecology, Laguna Beach, CA, USA

infection, mesh erosion, dyspareunia, and chronic pelvic pain.

For the management of mild complications (e.g., small mesh erosion through the vaginal epithelium), conservative treatment with vaginal estrogen therapy alone or in combination with antibioties may be sufficient. In the cases combination with antibioties may be sufficient. In the cases combinated to the sufficient in the case of the combination of the combination of the exposed mesh can be timmed in the office setting or, occasionally, a repeat intraspensive procedure may be necessary to undermine the vaginal equithelium and cover the exposed mesh with vaginal trasses. [2] However, for the management of more severe complications such as dyspar-cients and chronic pelvic pain, the treatment options are more daunting. How do you manage a patient that presents

TREATMENT UPDATE

Recent Advances in Tape Slings for Female Urinary Stress Incontinence

Red Alinsod MD FACOG FACS

South Coast Urogynecology, Laguna Beach, CA

South Cast Unoproceology, Lupun Beech, CN.
Sling therapy is the enhanced surgical support of the urethra. In this article, the history of the use of slings for the surgical treatment of Jennale urinary stress incontinence is reviewed, and the usual surgical routes for retropuble (transsurginal) or transoburator tape passage are described. The latest innovation in sling therapy is the use of minislings, which are short tape mesh implants inserted through a single vaginal incision: these slings may be placed in an office setting. Outcomes data are either lacking or suggest a considerable decrement of effectiveness of unstabilized minisings over full-length slings; houveer, the short-term efficacy of a stabilized, adjustable minisling is 97%. These results suggest benchmark effectiveness associated with full-length slings in a less invasive device that also has the capability of short-term adjustability, [Rev Obstet Gynecol. 2009;2(1):46-50]

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Key words: Minisling • Urinary stress incontinence • Retropubic sling • Transvaginal tape • Subfascial or transobturator sling • Suburethral sling

Todynamic stress incontinence (USI) is the leakage of urine through an incompetent urethra in the absence of a dertusor contraction. The purest symptom of USI is urinary loss upon raising litter—abdominal pressure, as in coughing, fen percent of middle-aged women report weekly incontinence, all in continence, all the properties of the

46 VOL 2 NO. 1 2009 REVIEWS IN OBSTETRICS & GYNECOLOGY

Durability and complications of an ultra lightweight transvaginal mesh in the treatment of pelvic organ prolapse

1. Objective

	Long-term Follow-up (NLSAF) Cohort II mean x standard deviation (N) / % (N)	Shori-leam Follow-up (N.:254) Cohort 2 mean x standard deviation (N) / % (N)	Wittenson / Ohl-Square P-exists
Age (years)	61.4 ± 12.4 (987)	50.5 × 17.6 (254)	0.063
Grandity	29 ± 1.7 (29)	38+20(28)	<.001
Purity	D.E. a. C4 (DDQ)	S.r. v. ca prog	0.00*
Body Mass India (IIM)	201 x 646 (200)	27.2 ± 5.5 (198)	0.690
Huight (richor)	64.2 x 2.8 (234)	64.4 ± 7.8 (223)	0.254
Weight (bid)	1978 x 30.6 (942)	160.6 ± 33.4 (211)	0.335
Provious Hystarocitomy	47.0% (19)	31.5% (XI)	0.239
Provious Incontinence Surgery	12.6% (96)	64% [6]	0.62
Previous POP Surgery	12% (1)	2.1% (5)	0.429
Pro-Implant estrogen - Yas	45.8% (104/207)	45.5% (85/907)	0340
Post-Implant estrogen - Yes	65.6% (001/002)	66.7% (194/200)	CWMC
Sassine Gradino/POP-Q Stacing			
Antonor Procedures	N-179	N=SR	0.434
1	ON IS	12% (2)	
2	40.8% (73)	2075 (64)	
3	40.0% (64)	42.0% (73)	
4	11.7% (21)	13.6% (54)	
Missing	O.E% (f)	4.0% (7)	
Poctarior Procedures	N-166	N-960	0.901
1	1.6% (3)	13%(0)	
2	42,7% (79)	40.2% (%)	
3	46.1% BIS	4325.833	
4	6.5% (12)	7.4% (54)	
Missing	1.7% (2)	7.4%-(54)	
Select Consequence Codes and Dates for			

Table 2: Complication Codes and Dates for Mach Halaket Events								
	Complication Calagory		Compartment	Complication Code		Resolution	Number of Visits	
	Digital s 1 cm aposare	No	Ariuntar	3A1351	2 c2 months (102 days)	Resolved in office with much tim	1	
2	Exposure logical of the exposure	Yes, provided on exam	Poster	280/13/51	2.12 months. (100 mays)	Fisched in office with mech		
5	De revo dyspeniurie Vlaghat ne apthalia separation	Yes, with intercourse	Acturer	130/13/52	2.12 montes (GA days)	Resolved with use of medical distor		
4	Vignal c f on opesse	NO	Activity	SATISST	(Hi digit)	Treated hitsly-with estration charm, resolved with mesh workern in operating room		
6	Deposite	No.	Acturity	20/13/91	242 months	Resolved with mesh him and	2	



OVANCES IN AESTHETIO JLVOVAGINAL SURGERY

Dr Red M. Alinsod, specialist in aesthetic vaginal surgery, discusses his experience of using Ellman's Pellevé system, and the increased precision it offers for vulvovaginal surgery



"Ellman's Pellevé Generator is the device of choice for any labial and revision surgery'

UE TO THE EFFECTS of childbirth, ageing, trauma, aunder a surrounding muscles can become thereof and many dependences the vaginal stassue and surrounding muscles can become thereof and formany dependences are surrounding muscles can become thereof and formany dependences are surrounding muscles of the properties of the below the region of the properties of the below which many results in disconnifor which intrinset contact, chronic rubbing, disconnifor which intrinset contact, chronic rubbing, and contact the preparation of chronic produces. When wearing certain types of chiting, such as jeans or wismasits.

Aesthetic vulvoraginal surgery (AVS), also called fernale operation to prepare the control of the vulvoraginal procedures as well as comment which the production of the vulvovogranic procedures are will as comment which the production of the vulvovogranic procedures are will as comment vulva and labal procedures as well as comment vulva and labal procedures as well as comment vulva and labal procedures are settled to consist of electron minnrally makes a comment vulva and labal procedures are resultable to the consist of electron minnrally makes and the construction for an excessively large lectron hood, table amagina or a labal mangion, or laba magina augmentation for hypotocyclic labal and procedures are resultable with the commence of the consist of electron for an excessively large lectron hood table amagina plasty for enlarged or labal table amagina plasty for enlarged or labal table amagina plasty for enlarged or labal table amagina plasty

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Safety and Efficacy of a Non-Invasive High-Intensity Focused Electromagnetic Field (HIFEM) Device for Treatment of Urinary Incontinence and Enhancement of Quality of Life

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Background and Objectives: Urinary incontinence is a common and distressing condition which interferes with everyday life. Patients frequently experience discomfort related to urine leakage and the subsequent need to use absorbent pads. Since the continence mechanism is primarily maintained by a proper function of pelvic floor muscles (PFM), many treatment methods focused on strengthening of the PFM have been introduced in the past. The aim of this study was to evaluate the safety and efficacy of a high-intensity focused electromagnetic technology dilIFEM for treatment of urinary incontinence with emphasis on effects on prospective patients quality of life.

Study was to evaluate the safety and efficacy of a high-intensity focused electromagnetic technology dilIFEM for treatment of urinary incontinence with emphasis on effects on prospective patients quality of life.

Hollow and an approximation of the control of the study incontinence of the control of the study was to show electron of the control of the study and the study was to expect the study and the study was to expect the study and the study was to expect the study was to assess changes in urinary incontinence by the International Consultation on Incontinence Questionnaire-Stort Form (ICQ-SF) and changes in the number of absorbent pads was subjective evaluation of the therapy and self-reported changes in unitary incontinence by the International Consultation on Incontinence Questionnaire-Stort Form (ICQ-SF) and changes in the number of absorbent pads were to assess the study of the control of the study of the control of the study of the control of the cont