Miniscar Abdominoplasty Combined with Suction Lipectomy, our Experience with a New Technique

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ABSTRACT

Current y inject do inop sty techniques to resh pe the do in recried on strend for do nsizing incisions in so e p tients ith i ited exposure nd skin re ov . The i of this ork is to ev u te the periu i ic pprocedure to do in skin skin sity, oder te do in ipodystrophy usculof sci di st sis nd no concern for do in stretch rks or sc rs. The procedure consists of trunc iposuction nd id do in vertic usculof sci p ic tion through periu i ic incision. Postoper tive y, e recorded sero firm in irregularities high needed further iposuction 9% ith nor do in sough, jor sensory oss or usculof sci p ic tion re kdo n. On folo up, e detected hypertrophic sc respondent of sci p ic tion re skin excision. concluded the t, the periu i ic proport for ody contouring in selected c ses of do in defor ities is se

INTRODUCTION

The ide do in esthetics inc ude, tight trunk nd inguin tissues ith deep ist conc vity, centr tissues not stight ith id convexity of hypog striu nd id conc vity of epig striu, id ine epig striu very ey et een rectus usce u ges nd vertic by oriented und i icus [1-4]. The increases of contour deformities of the doin re o esity, for cidity of the uscles, occlized ipodystrophy nd seque e of true, pregn ncy or previous surgery that result in scrs, hernis nd eventer tion [5]. During the past 25 ye rs, the trend in do in contouring is to rd the increased use of iposuction so the primy nd ndjunctive technique nd to rd shorter do inop sty incisions [6,7,8].

A tern tive do inop sty techniques h ve included i iting the under ining to centr tri ng e in st nd rd do inop sties hich y

e co ined ith or ithout iposuction of trunc f t deposits in procedures kno n s ini, i ited nd odified do inop sties [9,10,11]. A though use of the shortest effective incision in ody contouring surgery is n d ir e go, this pri ri y is i ited to p tients ith ini or iso ted do in sity ith or ithout trunc f t deposits [12]. No one technique provides n optiout-co e for p tients nd syste tic evolution is essention to provide the optious surgic intervention [2] nd the key n to ic fe tures include the esticity of do in skin, distriction of extrodo in f tty tissue, presence of striction grid riu nd oction of preroposterior u ging second ry to usculof scionistic, distriction of herni [13,14,15].

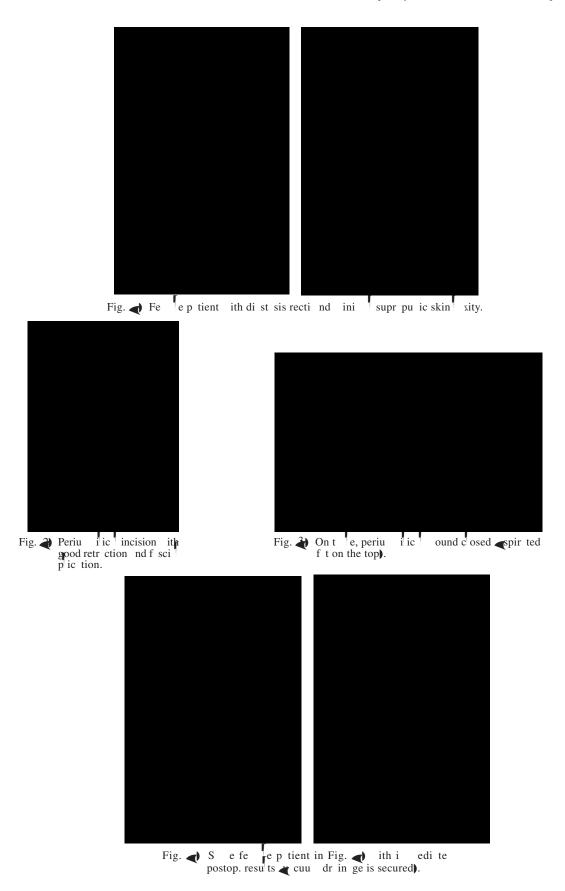
The i of this study is to ever use the surgic technique for inisc r do inop sty through period it incision in patients ith ining skin sity, oder the fatty tissue deposits, used of sciolates it is it in concern for do in stretch rks or previous sc rs.

PATIENTS AND METHODS

The study included 2 p tients ith do in yo poneurotic defor ities ho ere d itted to P stic nd Reconstructive Surgery nit, T nt niversity Hospit for do inop sty through periu i ic incision.

The Selection Criteria for the Studied Technique were:

- Mini skin f ccidity.
- Muscu of sci di st sis
- Moder te do in ipodystrophy.
- No concern for the presence of stretch sc rs of previous oper tions.
- The p tient prefers voiding the ong tr nsverse c ssic do inop sty sc r Fig.).



The ount, distriution of do in ft nd do in contour ere deter ined in the st nding nd supine positions. The p tient s sked to re x nd the contour of the do en sexined, then sked to tighten the do in uscuture nd ny ch nge in the do in contour s rked.

Operative Technique:

Sc rp 's f sci).

- A p tients h d gener n esthesi ith prophy ctic nti iotic st gener tion ceph osporin).

 Periu i ic incision round the u i icus nd ithin the u i ic pit) s done.
- 2-Tu escent iposuction through the periu i ic incision s perfor ed for the f tty yers ini y superfici nd ggressive y deep to
- 3- After dequ te iposuction nd through the periu lie incision, dissection s done for the centr do en up to siphisternu nd do n to the supr pu ic re, good retr ction nd h e ost sis exposed the uscu of sci p ne of the id do en nd e used no. po ypropy ene continuous suturing to p ic te the uscu of sci of the id do en st rting fro the u i icus up rds to siphisternu nd returning ck to just ove the u i icus s second yer of p ic tion. Ag in e st rted p ic tion e o the u i icus do n rds to the rked supr pu ic u ge nd returned ck to finish the p ic tion in t o yers t the u i icus end of the id ine Fig. 2).
- cuu dr in ge s secured co ing out fro sep r te st in hidden site t the o er do en.
- 5- The u i ic st k s shortened to the rectus f sci ith 3 po yg ctin ctry , e tri ed ny urned skin t the periu i ic incision fro the friction of the iposuction c nnu nd the ound s c osed y po ypropy ene interrupted sutures Fig. 3).
- Postoper tive y, dhesive e stop st s ppied for t o eeks, then co pression g r ent s used for further 3 onths.

Follo up every 2 eeks for the first onth, then onth y for the next onths s our routine.

RESULTS

Fe es ere the jority (2.3%) nd ge of the oper ted p tients r nged fro 22 to ye rs Fig.). The ver ge ount of the etting so ution instilled s 2 c.c nd the ver ge spir te s

9 c.c. E r y postoper tive y, e reported sero in 3 p tients \checkmark .5 %), 5 p tients \checkmark .23%) ere co p ining of sense of epig stric ful ness hich relieved spont neously y ti e ut no skin slough or ound infection ere detected. ____in the first onths of fo p up, three p tients .5 % ired ini skin excision through s required ini tr nsverse supr pu ic incision nd t o c ses 9%) sked for inor further iposuction for finks irregularities hich s done under oc inor further iposuction for s II d y surgery. By the end of the n esthesi onths follo up, re reported hypertrophic sc rring of the periu ilic lincision in c ses ■5.3 %) the s n ged y intresion corticosteroid hile edid not record ny uscul of sci | rep ir re kdo n 4 | e).

T e Postoper tive oc co p ic tions.

Co p ic tion	No.	%
Sero Skin s ough	3	.5
Skin s ough		
Sense of epig stric ful ness	5	9.23
Sense of epig stric ful ness A do in lirregul rities	2	. 9
Hypertrophic sc rring of the incision		5.3
The need for i ited postoper tive	3	.5
skin e scision.		

DISCUSSION

Loc ized f t deposits nd skin f ccidity re so etir es resist nt to the ost sincere efforts in eight oss nd sport ctivities. Depending on the individu orphology, skin qu lity nd xity, the procedure of do inop sty ith v rious contour restoring techniques s chosen [2,16]. Current y inisc r techniques re c rried on s trend for do nsizing incisions nd xi izing the use of these do inop sty procedures in so e p tients ith i ited exposure nd skin re ov [1,7]. According to recent st tistics, do inop sty h d the ost signific nt incre se \(\bigcup \% \) of the jor cos etic surgery procedures for the previous ye rs, nd iposuction re ined the ost popul r esthetic surgery procedure in oth genders [17]. Tu escent iposuction of the do in not on y re oves the excess dipose tissue of the deeper oose fir rous y so result in superfici skin net ork ut contr cture to further define the torso [18,19,20]. The selected t enty six c ses in the present ork skin sity ut needed dipose tissue re ov | nd f sqi | p ic tion for ody contouring ere the teri of our study. Actu by they h d the strong desire to void ong incision of the classic surgical do inoplasty. The principal technique of the present surgical intervention included utilizing iposuction oth ggressively for

the f tty | yer deep to the Sc rp 's f sci nd ini | y to the superfici | f tty | yer to void contour irregul rities nd skin co plic tions, in ddition to uscul of sci | plic tion of the id ll through periu ilic lincision. As e restricted ggressive iposuction to the deep f tty yer, our p tients didn't experience the potenti i risks of skin necrosis, istering or se rring hen the used iposuction c nnul c e c oser to the der is. E r y postoper tive y e detected ount of serous collection in .5 % of our p tients hich s corrected y repe ted spir tion nd co pression g r ent. N h s nd others [21] reported sero in .3% nd Persichetti nd his colle gues [22] found such co plic tion in .2% of their c ses nd the incre sed incidence of for tion ong our c sees y e ttri uted to our procedure, ec use e r'ier in our study e didn't use the v cuu dr in ge, depending on edi te postoper tive e stop st nd pressure g r ent to o ish the de d spree th t developed fro centr under ining nd iposuction of there nks On follo up, e noticed do in irregul rities in . 9% of the corrected c ses high ere n ged y further iposuction under oc n esthesi s d y surgery procedure. The used technique in this study preserved neurov scul r structures that ould e disrupted ith the cl ssic do inopl sty, essening the ch nce for skin s oughing, f p necrosis and no ness nd even n esthesi of the do in post c ssic do inop sty technique [23]. By the end of the first postoper tive onths e noticed hypertrophic sc rring of the periu ilic lincision in 5.3 % of our p tients hich s n ged y inter esion corticosteroid nd pressure g r ent hile e e scised ini redund nt skin through s il tr nsverse supr pu ic incision under oc n esthesi in three p tients a .5 %. Rectus do inis sity s n ged y f sci p ic tion ith polypropy ene continuous suturing using curved retrector ithout the need of ighted retrectors or the use of endoscope s in other studies [24,25,26], ec use the skin o i ity f ci it ted y suction ipecto y lo ed retroction of the perii ic skin superior y up to the siphisternu nd inferior y to the supr pu ic re in 11 corrected cr ses [3]. __did not report ny uscu of sci plic tion re kdo n ong our corrected c ses s e used non sor le onofi ent sutures nd this s recently confir ed y N h s et 1, ith co puted to ogr phic sc n s ices [21]. Five p tients 9.23%) of the corrected a ses ere co p ining the ti e of sense of ful ness in the epig stric region hich reduced y ti e nd pressure g r ent nd our results ere tched ith th t of D

nd his colle gues [27] ho used the collined iposuction and rectus f scilp ic tion through periul i ic lincision and reported sero in 5. % ith no neurosensory loss, skin's ough or urn and .2% of pitients needed inor surgery for scirrevision or further iposuction for doin lirregularities.

After one ye r fo o up, the contour nd si-houette ere gre t y i proved nd the supr u i ic u ge hich s co p ined of y so e p tients dis ppe red th t confir ed the results of the e r ier ork of Shest k et [28] ho used short sc r technique for infr u i ic usc e p ic tion ith endoscopic extension to the su-xiphoid evel if needed nd reported efficient correction of the o er do in u ging.

Loonc uded th t, suction injecto y of the trunk ith interior rectus f scippic tion through periuminic incision in selected c sess ith do in contour disfigure enthaich in single skin axity, oder te do in dystrophy, usculof scild ist sis individual hours how concern for the present stretch rks, is so fell termitive to consider the present stretch rks, is so fell termitive to contouring in single surgice procedure ith inilicopic tions. The results in termitive to contouring in single surgice procedure ith full open contouring in single surgice procedure is easier in the surgice procedure is easier in the surgice procedure is easier in the converse second in the surgice procedure is easier in the surgice procedure is easier in the surgice procedure ith easier hospit sty.

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